

1902



THE WONDERFUL
"PIASA BIRD"

HAPGOOD PLOW CO.

GENERAL CATALOGUE.

THE ONLY PLOW FACTORY IN THE U.S.
SELLING DIRECT TO THE FARMER.

AT
WHOLESALE PRICES



HAPGOOD PLOW CO., ALTON, ILL.



Ruined by the credit system and paying profits to an army of middlemen. Try our plan from the factory to the farm.

For Thirty Years We Have Been Manufacturing Plows and Other Implements.

Our motto has always been to build the best goods, no matter what they cost, and then sell them for a fair price.

No cheap or inferior goods built under any conditions. With us Quality is First. Why Do We Mention This?

BECAUSE success does not stay with a company for thirty years without there is a very good reason for it, and we know that good goods, right prices, honest management and all promises faithfully kept is the reason of our success. Six years ago we made a new departure in the method of selling Agricultural Implements. As we knew of our own knowledge the enormous waste and extravagance of selling goods through the old system, we made

A NEW DECLARATION OF INDEPENDENCE, Viz.:

WHEREAS, all men are created free and equal, except the man who sells on time, who is never free, and the man who buys on credit at big prices, who is seldom equal to paying his debts. Now, therefore, after 34 years experience with the old system of selling through agents with all its numerous evils and large expense, we hereby declare ourselves free and independent of the credit system, and will hereafter sell our goods direct to the farmer at wholesale prices for cash. We are fully aware that the agents of the old system will run down our goods and try to discredit them and us, but we guarantee that our goods will be kept up to their present excellence, and will be equal to any line of goods made, and we agree to pay the sum of \$1,000 to any person who will prove that we do not use as good material in our goods as any one in the business. Read chapter on steel, page 28. You take no risk, as they are guaranteed to give you satisfaction or money will be refunded.

We are getting as much money cash for our goods as any other manufacturer gets from a dealer after paying traveling expenses, etc., so there is no reason why they should not be as good. The difference in price represents what the old system is costing you.

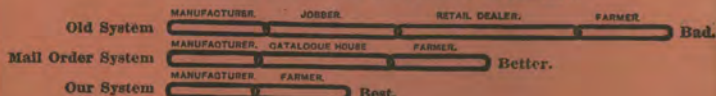
Is Buying Direct From the Factory Safe and Profitable?

Read our rules and the testimonials in this book; write to any of them, they are unsolicited and published without asking their consent, and we have thousands just like them from all parts of the United States. We do not promise something for nothing, so can keep all our promises.

WHAT WE ARE DOING

is selling goods from the factory direct to the farm for cash, with a fair profit added, and stripping them of the enormous expenses of traveling men and their salaries, losses through the failure of implement dealers, interest on large stocks carried over, etc. Also the sent, insurance, clerk hire, collector's expense, and profits of the implement dealers (which must be considerable when there are from two to a half dozen in every town.) Add to this the amount lost by dealers through farmers who do not pay their notes, and you can see what the old credit system costs you, as it is all added to the cost of the goods. Or, as an old farmer friend wrote from Kansas: "For twenty years I have accused manufacturers of robbing the farmer, and I now find on studying your prices and plan of dealing that it is the army of middlemen who have by combinations forced manufacturers to sell through them, and that our goods are passed from the factory to the jobber, from the jobber to the dealer, and from the dealer to the consumer, with all the expense of handling, rents, profits, local freights and other charges innumerable, until our goods cost us at the farm from two to five times what the goods are actually worth at the factory."

LET US ILLUSTRATE THE DIFFERENT SYSTEMS:



EVERY OPPORTUNITY IS GIVEN YOU TO TRY OUR GOODS BEFORE YOU PAY US A CENT.

YOU TAKE NO RISK IN TRADING WITH US.

HAPGOOD PLOW CO.

ALTON, ILL.

...We ask Your Careful Perusal of these Instructions...

and Our Business will be Pleasant, Profitable and Prompt.

BE SURE TO SIGN YOUR NAME AND GIVE POSTOFFICE ADDRESS WITH STATE. We have a number of letters, orders, and money, that we cannot give attention because of the failure to give above information.

We are the only mail order house that ships goods direct to responsible parties on trial, not a cent in advance. No other house does so. Why not deal direct with the factory?

You must admit that when you keep your money in your pocket until you get the goods and try them that we cannot beat you out of a cent even if we wanted to do so. Is not that safe and fair?

Then why listen to the lies told by the agents of the old system, who would prevent you from learning that you can buy your goods as cheap as they do.

We are willing to do business with responsible parties on these terms, but we dare not accept the word or statement of strangers all over the United States that they are responsible, for the man that wanted to swindle us would of course make the biggest statement. It therefore becomes absolutely necessary that you establish your responsibility and we will do the rest. We will do it.

We give below a copy of our Order Blank, under which conditions it is understood all orders are accepted:

**HARGOOD FLOW CO.,
ALTON, ILL.**

ORDER BLANK. All Orders are Accepted on these Terms.

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Please ship me _____ at \$_____
which I will receive and pay the freight, and at once give it a thorough trial, and if it fails to work satisfactorily I will at once notify you describing the trouble, and on receipt of your suggestions I will try it again, and if it is not then satisfactory I will ship it free of charge, according to your directions, losing the freight I have paid, (if F. Co. to pay the freight back to factory); and if the implement does good work, I will within ten days after its receipt

remitt you \$_____ by bank draft, post office or express order, or by express prepaid.

For the purpose of obtaining above credit, I hereby certify that I have property in my own name worth at a fair valuation \$_____ over and above all debts and liabilities.

WE PREFER TO HAVE CERTIFICATE

**BELOW SIGNED BY BANK,
R. R. OR EXPRESS AGENT, WHO IT IS
UNDERSTOOD, DOES NOT ASSUME
ANY FINANCIAL RESPONSIBILITY IN
SIGNING SAME.**

Signed _____

I am well acquainted with Mr _____ who signed the above order, and I know he is legally responsible, and an honest fair man.

Signed _____

NOTE.—If goods cannot be tried in ten days on account of weather or other reasons, advise us and time will be extended.
NOTE.—Not one machine out of 1000 returned last season. We take as much risk on farmers properly running the goods as they do on the goods not working, when thousands are already in use.

We want to make your acquaintance and are willing to pay you for the trouble of learning what we can do for you.
No other mail order house will ship you goods on trial under any conditions.

Goods on trial refer to plows and such implements where actual trial proof is necessary to know if they will work or scour. It does not apply to wagons, buggies, harness, etc. These are sent subject to examination. Then our guarantee stands back of the material and workmanship.

1st. Have your Order Blank (see copy) certified to, or have your letter (if no Order Blank is used) accompanied by a letter from your Bank, R. R. Agent, Express Agent, Postmaster, or some responsible merchant rated in the Agency books, or by some County Officer, Clerk, Judge or other official.

When property statement only is made, or order signed by any except the first four, we reserve the right to delay shipment until we can investigate the same, and also reserve the right to ship any orders C. O. D. where, for any reason, there is no time to look up references or no way of getting them.

We should hesitate to ship to any man who cannot comply with the above terms.

2nd. If the above terms are not convenient or you are not known, you can deposit the money with any of the above to be held until you get your goods and find the same satisfactory. This certainly protects you.

3rd. No cash discounts of any kind allowed on above terms. No cash discounts allowed on strictly net goods, when stated in catalogue.

4th. We will ship C. O. D. subject to examination, if not less than one-fourth of the amount is sent with the order, balance to be paid to the R. R. or Express Agent or Bank if the goods are found to be satisfactory. Will allow 4 per cent cash discount on amount sent (except on net goods).

5th. 2 per cent discount will be allowed if orders are sent accompanied with the cash to any Bank, R. R. or Express Agent in Alton, who will pay the money over to us on our delivering to them a bill of lading showing shipment of the goods in good order. We will stand responsible for any money sent in this way and pay any expense attached if notice is sent us at the same time.

6th. 4 per cent discount will be allowed if all cash is sent with order direct to us (except where catalogue gives strictly net cash prices, no discount).

We advise this 6th plan as it saves delay in shipping, saves bookkeeping, saves office expense and saves you the charges for returning money on C. O. D. shipments (10 or 15c.), saves you 4 per cent on the price of the goods, is perfectly safe, and we guarantee to refund your money if goods are not satisfactory.

These terms are certainly fair and will meet the requirements of all our customers.

We are doing a strictly Cash business, and are making Cash Prices. We consequently prefer Cash with the Order, as per paragraph six, but our other terms for parties who are not acquainted with us will certainly meet the requirements of every honest man. We solicit a trial order.

We have adopted these rules because we think they are fair to both parties. We wish to protect ourselves from being imposed upon by sharpers. We also wish to give you ample protection that you will not be imposed upon yourself. We ask you to furnish us with the proper evidence of your responsibility, and we refer you to the Alton Savings Bank, of Alton, Ill., or any bank in the United States, or any Commercial Agency, any Railroad Agent or Express Agent in Alton.

Send in your orders early, give us all the time you can to fill your order, and the railroad company to get them to you. We may not need it, but we have no way to tell how many goods of each kind may be wanted, and, to avoid disappointment it is well to follow the above suggestion. When in a hurry express a second choice if you can, as we may be out of the particular article wanted, but can send something just as good. Nothing will be substituted, however, without your consent.

It is understood that all orders will be shipped promptly unless notice is sent you to the contrary. Nine-tenths of the orders for our goods are shipped in from one to three days after receipt, generally the day order is received. Goods from other factories in from two to five days.

Do not send orders to be delivered at a certain time, as that part of the work belongs to the railroad company. You can set a time at which we must ship or cancel the order if you wish. Read the shipping directions on inside of last cover.

NEVER REMIT BY PRIVATE CHECK. It costs money to collect them. Send Bank Draft, Money or Express Order, or by Express prepaid. All prices quoted are in current funds in Alton, Ill.

OUR SPECIALTIES now include a large variety of **STRICTLY FIRST CLASS GOODS**, fully guaranteed by the manufacturers and sold under the same conditions and guarantee as our own. Special information will be found on the following pages, and we do not hesitate to say—THAT NO PLACE ON EARTH CAN YOU FIND A LARGER LINE, SO PERFECT IN QUALITY AND AT SUCH LOW PRICES. Read inside of both covers—you will find valuable information.

Trusting to be favored with a trial order—

Yours for business,

HARGOOD FLOW CO., ALTON, ILL.

N. B.—The only experienced Implement House dealing direct with the farmer. A dry goods or grocery man can hardly know your wants in implements or know how to supply them. **MORAL:** BUY FROM THE FACTORY.

ANNOUNCEMENT FOR 1902.

THE BOOM on Iron, Steel and other material we hope is over, and believing so, it affords us pleasure this Season to again call your attention to our reduced prices which we guarantee to be as low, if not lower, than any other Concern on Earth, and we stand ready to meet prices quoted by any other first class House on an equal line of goods, so that you can send your orders to us, with every assurance of its being filled not only with the best goods on Earth, but at as low a price as any one can give you.

In our announcement last year, we stated that the high prices could not last, and we regretted that they ever came, as we paid twice as much in the way of an advanced price for Material, as we got advance in the price of our goods; and as prices declined this Fall we have sent back to our Customers Thousands of Dollars in rebates, keeping our promise that we would give you the lowest prices at all times, and we make you that promise again at this time.

This Catalogue will be found to contain complete information in reference to our own line of goods, while our line of Buggies, Farm Wagons, Harness, Sewing Machines and Steel Ranges is very complete, and the equal we believe of any Catalogue on the Market. Special Catalogues sent on application.

On other lines of goods it has been impossible to publish everything in connection with them, as for instance on Feed Grinders, it would take a Catalogue of 100 Pages alone to cover that subject, but we have placed before you the leading articles in each line, and are prepared on receipt of your inquiry to send you complete detailed and technical information, so that if you do not find in our Catalogue just what you want, all we ask is that you will let us know what you do want and we will guarantee to do the rest to your entire satisfaction.

We do not wish to close this notice without expressing our sincere thanks to the thousands of farmers who have so kindly sent us their orders this last season. Also assisted us by telling their neighbors and friends and sending us lists of names of friends to whom we have sent free catalogues. We hope this season to have the pleasure of hearing from all of our old friends and of adding a hundred thousand more new customers. Selling direct to the farmer must be made practical co-operation. We enable you to share in all the benefits of an increased business. The more business we have the less the expense of selling, enabling us to give you back the saving in reduced prices. We did it 1898, in 1899 and 1900, and we have now given you in this catalogue lower prices compared with the cost of the goods than ever before. Compare our prices for the last three years and you will readily see that you are making something for yourself on future orders for every sale you help us make, for every farmer you tell about us, for every name you send us, and for every good word you say for us.

We are the only Plow Manufacturers in the United States that dare openly sell you goods direct at Wholesale Prices in Opposition to the Implement Dealers' and Manufacturers' Association, and in view of this fact we believe we are entitled to the hearty support of every farmer who believes he should have a right to buy his goods at what they are worth without having to pay a tribute of 15 to 50 per cent. to some middleman!

Yours very truly,

HAPGOOD PLOW CO.

N. B.—A new departure this season will be found in quoting prices on a great many things, particularly on our own goods, delivered at Kansas City, Omaha or Minneapolis. We do this because most railroad agents in the West can give you rates from these points when they cannot from Alton. We will also be pleased when requested, to quote delivered at your railroad station on any of our goods. In many places it is customary to sell plows with two shares, and to accommodate our friends, and also to encourage your getting extra shares with your plows, avoiding the expense of shipping them alone afterwards, we will sell all the extra shares you want when ordered with your plows at reduced prices.

12-Inch.....\$1.50

14-Inch.....\$1.75

16-Inch.....\$2.25

GENERAL INFORMATION.

READ THESE INSTRUCTIONS CAREFULLY BEFORE SENDING ORDER.

- 1st MISTAKES WILL SOMETIMES OCCUR, but a careful reading of these rules will reduce the possibility of mistakes to a minimum.
- 2d. BE SURE TO SIGN YOUR NAME PLAINLY. GIVE POST-OFFICE, STATE and COUNTY
- 3d. READ YOUR LETTER OVER BEFORE MAILING. You will often save time and money by so doing.
- 4th. GIVE COUNTY, especially if shipping Station is a small, out of the way place. There is often two or three Railroad Towns of the same name in a State, and if County is not given Railroad Company will send to Town best known.
- 5th. ORDERING GOODS. Use form like this: Enclosed find \$..... for which please ship to at State, County..... My Post-Office is.....

- 6th. REMITTING FOR GOODS ALREADY RECEIVED. DO NOT WRITE LIKE THIS, "Enclosed find draft for \$10.00 for Advance Agent Plow" etc. You see such a letter could easily be mistaken for an order and another Plow sent. Remit by Bank Draft on St. Louis, Chicago or New York, Post-Office Money Order, Express Order, Registered Letter or Express pre-paid. All bills are due in Alton in Current funds. We do not pay any expense of remitting. Do not remit by draft on Kansas City or Omaha, unless you add 15 cents to pay expense of collecting same. Do not remit by private check unless absolutely necessary, in which case add 25 cents for collecting same.
- 7th. REFER TO FORMER CORRESPONDENCE BY DATES, ALWAYS. We have a large amount of correspondence and cannot remember to-day if we wrote you yesterday, a week ago or a month ago.
- 8th. REMEMBER WE HAVE A BUSHEL OF MAIL EVERY DAY, which requires a large number of Clerks and Stenographers to answer same. We keep all letters written us, and copies of all letters that we write, so that previous correspondence should always be referred to.
- 9th. READ THIS WITHOUT FAIL. With your bill or invoice will be sent a receipt from the Railroad company called a "Bill of Lading," showing each bundle shipped. Do not take goods from the depot until you see that each bundle is there. If you fail to receive a Bill of Lading see the one your Railroad Agent has.
- 9A. WHEN YOU PAY THE FREIGHT YOUR AGENT WILL ASK YOU TO SIGN A RECEIPT, and this receipt says "that you have received all the parts shipped." DO NOT SIGN THAT RECEIPT UNTIL YOU HAVE FOLLOWED RULE 9.
- 9B. IF YOU FIND ANYTHING SHORT OR BROKEN, have your Railroad Agent note this on the receipt you give him, also on the receipt the Agent gives you for the money you pay for freight. Send this receipt to us and we can then make the Railroad Company pay all expenses of replacing, shortage or breakages.
- 9C. EXAMINE YOUR GOODS WHEN THEY ARRIVE, as we assume no responsibility for their safe delivery. When we ship the goods in good order and obtain a receipt or Bill of Lading to that effect, our responsibility is at an end, and is so with all shippers.
- 10th. Trial in 10 days does not mean that you are to run a machine or plow 10 days before deciding to keep it; the 10 days are to allow time to get the goods and try them. You can tell in one-half day whether a machine will please you or not.
- 10A. Orders sent us signed by unknown persons holding no official positions are of no use to us.
- 10B. Orders sent us referring to bank or other person are of no value. Anyone could send such an order. Have the bank sign your order. We cannot afford the expense or take time to hunt up references.
- 11th. BE SURE TO SIGN YOUR NAME PLAINLY. GIVE POST-OFFICE, STATE AND COUNTY
- 12th. Do not return goods without an order from us. If they are to be returned we want to say where they shall be shipped, and give you instructions HOW to ship them.
- HOW TO RETURN GOODS. Knock down the Machine and tie it in bundles securely. Make Bills of Lading in duplicate, mark the same "return to factory for repairs." See that each bundle or separate piece is enumerated on Bill of Lading. Put your name on back of tags in Ink Ship back OVER THE ROAD BY WHICH THE GOODS WERE RECEIVED, and forward duplicate Bill of Lading to us with letter stating what and why returned. One-half of freight will be made on all such goods when these instructions are followed. NEVER RETURN GOODS TO FACTORY WITHOUT FIRST GETTING PERMISSION FROM US.
- 13th. The purchaser pays the freight; our prices are for goods; we do not sell freight, we do not expect to make any profit on the freight or lose anything on it. BUT WE DO LOOK AFTER YOUR FREIGHT INTERESTS. We will prepay freight if requested to do so and money is sent for the purpose; we will see that it is right and will send you freight receipt and return you any money due you. We do not advise prepaying the freight, as there is nothing saved and the Railroad Company may not be so much interested in rushing the goods forward if they have their freight charges in advance.
- 14th. WHERE THERE IS NO AGENT, FREIGHT MUST BE PREPAID and enough money must be sent with the order. No Goods sent C. O. D. except on terms stated, page 1.
- 15th. ALL PLOWS ARE UNDERSTOOD TO BE RIGHT-HAND, and will be sent unless LEFT-HAND is distinctly mentioned in the order. We make Left-Hand Plows of all kinds.
- 16th. RIGHT-HAND PLOWS ALWAYS SENT UNLESS LEFT-HAND ARE ORDERED. ALL ORDERS FROM EASTERN ILLINOIS and STATES EAST should be sure to mention which is wanted. WESTERN STATES USUALLY USE RIGHT-HAND GOODS, while EASTERN STATES TAKE MOSTLY LEFT-HAND.
- We will pay the expense on all our mistakes, and will expect our friends to stand theirs. If you order Right-Hand Plow when you want a Left-Hand, or a 14-inch Plow when you want a 16-inch, we expect you to return the Plow to us in good order with freight prepaid. If we make such a mistake we will stand all expense ourselves.
- TELEGRAPHIC ORDERS and TELEGRAMS should always be sent prepaid, and we will pay for our replies.
- 17th. We can put TURF and STUBBLE BOARDS on all our 12-inch, 14-inch and 16-inch Plows, right-hand. Also on Sulkes and Gangs at 50¢ a board, extra.
- 18th. We can furnish Right-Hand Cast Shares, in 12-inch, 14-inch and 16-inch for any of our Plows. See price, page 32.
- 19th. All Plows except Breakers are priced with only one share, the one that is on the Plow. The price of extra Shares when ordered with Plow will be found on page 27. You can have one or one hundred at the same price each.

- 20th. All Sulkies and Gangs are complete with Eveners, Neck-Yoke, Cutters and Weed Hook at prices named.
- 21st. Any of our 10, 11, 12, 14, 16 and 18-inch Shares will fit any Plow of our make of same size. ALL OUR PLOW SHARES ARE SENT OUT WITH THE BOLTS IN THEM.
- 22d. No orders to be countermanded after goods have been shipped. YOU CAN STATE A TIME AT WHICH WE MUST SHIP AND WE WILL DO SO OR CANCEL ORDER; this will protect you from any neglect.
- 23d. We do not guarantee delivery of goods at any certain time. We cannot ship until we get your order. We urge you therefore to place your order in time, so that a delay of a few days will not inconvenience you.
- 24th. SPECIALTIES will be shipped direct from the Factory except some small items, and freight will be from the Factory. It would only double the freight and expense to ship them to Alton. We guarantee the freight the same as from Alton. St. Louis or Chicago.
- 25th. ORDERS WILL BE FILLED TO THE BEST OF OUR ABILITY. WE RESERVE THE RIGHT TO FILL ANY PART OF AN ORDER, the balance to follow, or without filling the balance if prevented from doing so, unless positively advised to the contrary in the order.
- 26th. Goods of our own make we ship ninety-nine cases out of a hundred the day we get the order. If there is more than three to five days delay we will notify you. Specialties are shipped from three to seven days; Buggies take from five to twenty days; usually about seven days.
- 27th. REPAIRS ARE ALL STRICTLY CASH WITH THE ORDER. WE CANNOT AFFORD TO OPEN BOOK ACCOUNTS FOR SMALL ARTICLES OF THIS KIND. 40 PER CENT DISCOUNT IS GIVEN FROM THE LIST PRICE IN THE REPAIR CATALOGUE ON CAST AND MALLEABLE REPAIRS. Other factories charge you full list price. (See REPAIR CATALOGUE, ALSO PAGE 32 THIS CATALOGUE.) ROLLING COULTERS always sent for Steel Beam Plows unless Wood Beam is ordered. REPAIR CATALOGUE showing complete list with cuts of parts of our own Goods we expect to send with each invoice for all Machines, except Walking Plows and small articles. WRITE FOR ANY INFORMATION YOU WANT THAT IS NOT GIVEN HERE.
- 28th. All our Steel Wheels have movable boxes. Do not buy a machine with steel wheels that does not have them.
- 29th. REPAIRS: Every Casting or part has a number of its own, and must be ordered. Do not expect a Casting to be sent because it is fastened to something else you have ordered.
- 30th. REPAIRS: A paper drawing of the part wanted is always a safe thing to send, and insures you getting what you want without fail, and this is absolutely essential on Land-sides, Land-side Bars and steel parts and is advisable even for shares.
- 31st. DUPLICATE MOULD BOARDS. No factory can send out duplicate hardened Mould-Boards. When they are wanted the Plow must be returned to the Factory and the board fitted on here.
- 32d. We do not sell on time or installments. You will find our terms on page 1. WE HAVE BUT ONE PRICE; YOU WILL FIND THAT IN THE CATALOGUE.
- 33d. We have no Agents, no Traveling Men, no Salesmen, nor do we wish to employ any. Our Catalogue is the only Salesman we have. Our prices sell the goods.
- 34th. The first 32 pages of this Catalogue show goods which we make ourselves. Other goods are specialties. We call some machines Hapgood, but we do not wish to be understood as making them.
- 35th. WE GUARANTEE OUR GOODS TO BE MADE OF GOOD MATERIAL AND WORKMANSHIP. USE NOTHING BUT THE BEST MATERIAL THAT MONEY CAN BUY, and ALL WORK IS CAREFULLY INSPECTED.
- 36th. HARDENED SHARES, SHOVELS and other STEEL PARTS ARE NOT GUARANTEED AGAINST BREAKAGE. It is not fair to ask it. A piece of steel after passing through our tempering furnace and hardening vat cannot be defective. These goods must be made hard to scour, and naturally would be liable to break if a root or rock is hit.
- 37th. CASTINGS and WOOD PARTS are liable to break from accidents or defects, and when defective should be replaced free, but it is very unfair to assume that because they break that they MUST be defective. More castings are broken from carelessness, improper handling, by putting the machines in unnatural positions, and by throwing undue strain on certain parts. A dividing line is difficult to find, but we wish to treat our friends fairly and have these matters understood, and TO AVOID MISUNDERSTANDING, WE WILL MAKE THE FOLLOWING GUARANTEE ON OUR OWN GOODS. (All specialties will be subject to the rules of the company we buy them from, and will be as liberal as it is possible for anyone to get on the same goods.)
- 38th. OUR GUARANTEE: HARDENED SHARES, SHOVELS OR STEEL PARTS that come unwelded, do not scour, or split on the edge (provided they have not been in a Blacksmith's fire) will be replaced free of charge F. O. B. ALTON. Defective parts to be sent us at our expense if requested, but not otherwise.
- 39th. Broken Shares, Shovels, or Steel Parts, will be furnished for the first six months, at one-half the regular price, F. O. B. Alton. See price list, page 32. In ordering give date machine was bought.
- 39A. Broken Castings or Wood parts will be furnished free F. O. B. Alton, the first six months, provided you think they are defective. We trust to the honor of our customers to pay us for anything they break themselves.
- 39B. THESE TERMS ARE VERY LIBERAL. STEEL FACTORIES and FOUNDRIES do not give us any such guarantee. Repairs furnished are therefore a dead loss, but we make these liberal terms so there will be no misunderstanding.

- 40th. OUR PLOWS are made of the best material money can buy. See page 28 for article on Steel. Our Woodwork is mostly Oak, some Ash, Double-Trees and Single Trees are Hickory; no pine tongues used. See what the Agent of the old system is selling you when he talks quality and runs down our goods.
- 41st. We are willing to ship goods to responsible parties on trial, but you must show that you are responsible. We cannot afford the expense and time to look up references.
- 42d. Disc Harrows are all quoted without Neck-Yokes; Stalk Cutters and Planters quoted without Eveners or Neck-Yoke. Our Old Reliable Gang or Sulky does not turn square corners the others do. No discount of any kind on Cutters at \$1.75 or \$2.00 each, when ordered with Plows.
- 43d. STATEMENTS OF ACCOUNT SHOULD BE SENT AT LEAST EVERY 30 DAYS, and we expect to send them. These must not be considered duns for accounts not due, consequently no offense must be taken. They are sent to enable you to report any errors, and WE WILL THANK YOU FOR REPORTING PROMPTLY so our books may be kept in order and mistakes rectified while the transaction is fresh. If the account is due, however, remit promptly, no matter how small the amount. It takes as much time, postage and expense to keep an account of 25 cents as \$25. Do not delay remitting waiting for statements.
- 44th. PAST DUE ACCOUNTS MUST BE SETTLED PROMPTLY. OUR TERMS ARE CASH, but often there will be a small balance due us; in such cases but one statement will be sent. If no remittance is made, or report of any error, we must presume that the account is correct and a sight draft with exchange will be made within 10 to 20 days following without further notice. This is no reflection on your financial standing, but possibly a reminder of a little carelessness on your part; but handling thousands of accounts every month, it is absolutely necessary that they be closed up promptly or we will have to engage more book-keepers.
- 45th. Any balance due you will be noted on your invoice as follows: "Balance due you \$... Please deduct from next order, or we will remit if you prefer." These small balances will not be remitted with invoices unless requested with order, but will be placed to your credit and sent at any time requested, or you can deduct from your next order.
- 46th. Any balance due us will be noted on your invoice as follows: "Balance due us \$..... Please remit promptly, so account can be balanced. Report promptly any errors." This should be remitted promptly so the account can be closed.
- 47th. ADVANCE CHARGES. Small amounts due us we can collect from the Railroad Co., in which case your invoice will be marked as follows: "Balance due us on this invoice \$..... which we have collected as advance charges, and you will pay same with the freight, saving you the expenses of remitting the amount." If you do not find here the information you want, write us. We are at your service. We guarantee our goods will give you satisfaction or refund your money.

When you buy direct from the Factory you pay but one small profit. We are the only Plow Factory in the world manufacturing and selling its goods direct to the farmer. When you buy of a Mail Order or Catalogue House, you pay two profits, first the Manufacturers', and second the Catalogue House.

MORAL: BUY YOUR GOODS DIRECT FROM THE ONLY FACTORY THAT MAKES THEM. BEWARE OF CATALOGUE HOUSES showing imitation cuts and description of our goods also such houses who advertise that they have anything better and charge you more for them. When you order our goods from a Catalogue House, see that you get them, and that they do not substitute other goods.

We make our goods the best that money can buy. There is absolutely nothing better at any price.

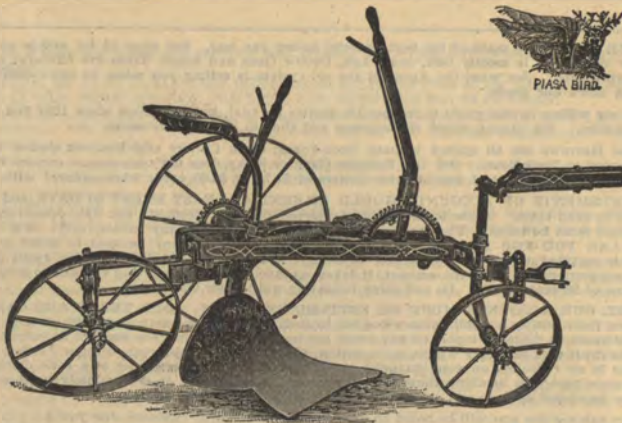
You may get cheaper goods, but you cannot get anything better at any price. Some unscrupulous Catalogue Houses pretend to sell our goods, use our cuts and reputation simply to secure your order, while sending you cheap goods in place of them. Either buy your goods direct from us, or see that you get our goods when you order them through other parties. Beware of any prices quoted on our goods by anyone at less than our prices.

WARNING We have received a number of complaints from farmers who supposed they had ordered our goods through Catalogue House only to get some inferior machine out of style and out of date. We are not responsible for the actions of other parties. Buy your goods from us and you will know what you are getting. We guarantee we can meet any price quoted by any concern.

The Bread and Butter of the Publisher of a Farmers' Paper depends on the money he gets from advertising, and the amount of money we spend in advertising in any newspaper depends upon how many inquiries and orders from farmers it brings us, and we would esteem it a great favor if you would mention the paper in which you saw our advertisement that led you to correspond with us, or send us your order. It will enable us to tell what papers are paying us, while, as we said before, it is the bread and butter of the publisher. Hoping you will bear this in mind when you write us, we are,

Yours very truly,

HAPGOOD PLOW CO.



NOTICE—The above cut is very clear and plain, but owing to the position in which the picture was taken, it looks longer in front than it really is.

IMPROVED STEEL FRAME "PIASSA BIRD" 3-WHEEL SULKY.

Having produced the best two-wheel Sulky on earth (our old Reliable), we have, with our large experience, been able to again "distance all others," and in our "PIASSA BIRD" SULKY give you the best three-wheeler now made.

We claim in this sulky to have combined the no landside principle with a landside, by making a short landside that steadies the plow and on which there is little or no friction in light work with the wheel behind standing straight. When the work is heavy the operator can turn the rear wheel at an angle to support the landside and take off the pressure of side draft. We use the large wheel on the landside to carry the driver's weight, who sits far enough away from the plow to make it ride very easily; and to pass over obstructions without interfering with the work of the plow. The wheel in the furrow in front is set at an angle and so it will gauge the furrow to a uniform width, and can be adjusted to cut from 10 to 20 inches. The plow raises independent of the frame, and the cutter is fastened to the beam and raises with it, thus avoiding the great fault of others in raising the frame up and down on a post and having a joint in the cutter to raise it. We have a strong, substantial manner of holding the plow that cannot wear or get out of shape. The advantage of this connection will be easily seen when compared with others that rely simply on a standard, held between two flat bars of iron and which must take the entire strain of the work, and yet be so loose that the plow can be raised.

Please note the steel hitch fastened to the frame with two large bolts, and with an adjustable clevis that allows the operator to cut any width or depth, and is convenient for two or three horses, and can be put so low that the plow will run level in any kind of ground, no difference how hard. The team is hitched close to the work, and the plow raises much higher from the ground in turning and moving than any 3-wheel sulky made, and will turn a square corner in better shape than any plow we know of. The heel of the plow can be raised or lowered, which is an important point, as every farmer knows when a plow gets dull it has to be raised at the heel to keep it in the ground, or to run if level in very soft ground.

It is a beauty. We challenge the world for light draft, ease of handling, simplicity, durability. Will plow anything, anywhere. It is free from Springs, Joints, Cocks and Triggers to get loose and out of order when the plow gets worn. Those things are all very nice to help show off a plow when setting on the floor, but they are an aggravation and a nuisance in the field, especially when the plow begins to wear, and the Joints get loose, Triggers go off half cocked or fall to work.

Front Wheel 19 inches; Rear Wheel, 24 inches; Land Wheel, 34 inches. All with removable boxes. We furnish free all the boxes you can wear out in two years, as the hubs and axles are well protected with collars.

We pull from the frame, using a good strong steel hitch. The up and down clevis has ten points of adjustment. The head clevis has twelve holes for adjusting to and from land.

The Hind and Front Wheels caster, and the Plow turns a square corner to perfection. Everything is made of the best steel that money can buy.

PRICE LIST.

14 or 16-in. Piassa Bird Sulky, shipping weight, 400 lbs. Complete with Evener, Neck-Yoke, large Coulters and Weed Hook.

F. O. B. Altoon \$32.25. Cash with order price.....\$30.95

Freight Prepaid to Kansas City, Omaha or Minneapolis.....1.50

Turf and Stubble Boards, 50c extra. 15-inch Piassa Bird Sulky, \$1.00 extra.

Extra Soft Center Shares, when ordered with the Sulky or Gang, net.....12-in. \$1.75, 14-in., \$2.00, 16-in., \$2.50, 18-in., \$3.75

Extra H. C. C. Shares when ordered with the Sulky or Gang, net.....12-in. 1.50, 14-in., 1.75, 16-in., 2.25, 18-in., 2.50

We would be pleased to quote you price, delivered at your own town. Absolutely guaranteed to please you or your money refunded. What can you ask better than this? Send us your order, and save the middleman's profit of from \$7 to \$15.

Extra Cast Shares Right Hand only, when ordered with the Sulky, 12-in., 50c. 14-in., 60c. 16-in., 75c.



PIASA BIRD GANG.

Another beauty. Has all of the features of our Plasa Bird Sulky. Both Plows are controlled by the one lever, and must raise and lower together. The Rear Wheel is adjustable. Can be set up or down, or in or out. Every item in the description of the Sulky applies equally as well to this Gang. They are beauties. We challenge the world for light draft, ease of handling, simplicity, durability. Will plow anything, anywhere. They are free from Springs, Joints, Cocks and Triggers to get loose and out of order when the plow gets worn. Those things are all very nice to help show off a plow when sitting on the floor, but they are an aggravation and a nuisance in the field, especially when the plow begins to wear, and the joints get loose, triggers go off half-cocked or fail to work.

Front Wheel, 19 inches; Rear Wheel, 24 inches; Land Wheel, 34 inches. All with removable boxes. We furnish free all the boxes you can wear out in two years, as the hubs and axles are well protected with collars.

Why pay \$55 to \$65 for a Gang Plow when you know that \$10 to \$15 of that simply goes into the Dealer's Pocket? If he denies this, let him trot out his bill. He dare not do it, because he knows it is so. When you spend your money with us for a Gang you pay for the Gang only. You get your money's worth and you save the Dealer's profit.

Read What Our Farmer Friends Have to Say About It. We Have Hundreds of Such Letters.

AURORA, ILL., Nov. 1st, 1899.

Hapgood Plow Co., Alton, Ill.

Gentlemen—The 14-inch Plasa Gang arrived in due time, and I have given it a thorough trial, and I must say I am well pleased with it in every particular

J. S. HALL

MANSEFIELD, ILL., May 22d, 1899

Hapgood Plow Co., Alton, Ill.

Gentlemen—Enclosed please find order. I also want to say that I like the Plasa Bird Gang Plow immensely. It is just as good, if not better, than any I would have to pay \$64 for here.

(Signed) J. D. TAYLOR.

Remember our Guarantee, that this Plow will do your work, and give you perfect satisfaction. If you are not perfectly satisfied, you can return it, and get your money back. Note our prices:

12-Inch Plasa Gang, complete with two large 16-inch Rolling Coulters, four-horse Eveners.	
Neck Yoke and Weed Hooks.....	\$45.00
14-Inch Plasa Gang, same as above.....	\$47.00
Net Cash with Order.....	Price, \$43.20
Net Cash with Order.....	\$45.12

Two dollars extra will deliver it at either Kansas City or Omaha.

We would be glad to quote you price, delivered tight at your own town.

Hapgood-Hancock Disc Gang.



Showing long lever reached
from the seat.

Read Page
8-9-10-11.

THE NEW WONDER OF THE TWENTIETH CENTURY.

Revolutionizes the Methods of Plowing as the Twine Binder Did the Old Methods of Harvesting.

THE ORIGINAL AND LATEST IMPROVED DISC PLOW.

ALL OTHERS ARE ONLY IMITATIONS.

Will do better work with one-third to one-half less draft than ANY OTHER

DISC OR MOULD-BOARD PLOW ON EARTH.

The Hapgood-Hancock Disc Sulky and Gang is truly the wonder of the Twentieth Century. It is just as far ahead of the Mould-Board Plow as that was ahead of the crooked stick, and it is only fitting at the beginning of a new century that we should take another step forward and present to you a Plow both ENTIRELY NEW AND NOVEL, AND ON ENTIRELY NEW LINES. Our command of the English language is not capable of conveying to your mind the value of this invention. It is absolutely necessary for you to see this Plow at work in the field, and to that end we are holding exhibitions as rapidly as possible, and have a large force of men at work to expedite the introduction of this Plow. We are prepared to offer to the party buying the first Plow in any neighborhood an opportunity of holding an exhibition for us, and to pay him good hard dollars for same.

The following are part of the claims which we make, and to even realize what these claims mean you should see the Plow at work in the field; but we think you will admit that if we can do what we claim, that we have just what you want, and we are ready to let YOU prove it to your entire satisfaction or refund your money. Every one of these Disc Sulkies or Gangs are sold under the following guarantee:

1. We guarantee it against wear or breakage for twelve months.
2. We guarantee to cut a furrow twenty-four ins. wide and usual depth (six to eight ins.), with one-third to one-half less draft, and do better work than any other Disc or Mould-Board Plow on earth.
3. We guarantee it to plow hard, dry ground where all others fail.
4. We guarantee it to cut up and turn under without choking cornstalks or any other vegetable matter.
5. We guarantee it to scour in any land.

We DO NOT guarantee it to plow as light or please everyone as well in very wet ground, timothy or blue grass sod as a special Plow made for that purpose, but when disc and scraper are thoroughly scoured, will plow wet ground where any Stubble Mould Board Plow will work. The Disc Plow is a Pulverizer as well as a Plow, and of course sod or wet land will not pulverize.

BUT READ WHAT OUR FARMER FRIENDS SAY.

W. H. Michener, Neodesha, Kans., says: "Plowed black gumbo covered with trash to-day. Canton Gang would not do the work. Used only 2 horses. Cut up hedge roots 2½ inches by actual measurement."

A. Van de Veer, Scandia, Kans., says: "Have plowed wet ground and through snow drifts 8 inches deep."

Charles Canfield, Clinton, Ill., says: "Have plowed wet ground. Do not see why you leave that out of your guarantee. Completely pulverizes the ground. We are plowing 26 inches wide, 6 inches deep, with 3 horses, in the hardest kind of ground."

H. B. Kruse, Burk, Iowa, says: "10-year-old boy run the Disc Gang through wet, dry and stony ground; one-third lighter draft than any Plow in the world."

B. G. Norville, Table Rock, Colo., says: "Ground awful wet. Plow runs fine. Am plowing 14 inches wide, 8 inches deep, with two ordinary horses."

G. M. Lewis, Neponset, Ill., says: "You do not guarantee the Plow in wet ground, but I have taken it into wet, mucky ground, and I was never more surprised in my life. An ordinary plow would not go 40 feet. Could not plow this land last year with a Mould-Board Plow. The Disc Plow is certainly a wonder."

NOTE.—We do not suppose that there is more than five per cent of the land in blue grass sod, and as

GRINWELL, Ia., Oct. 16, 1901.—Before 30 farmers I plowed 6 to 8 inches deep, cutting 26 inches wide, with 8 small horses. We went through hard ground and soft ground. The work was fine and draft light. It is the finest potato digger I ever saw.

9

Hapgood-Hancock Triple Disc Gang.

Showing Long Lever Reached From the Seat.



NEW FOR
1902.

nearly every farmer has a hand Plow, we have not found it advisable to make a special Disc for sod, although it can be done.

Do you fully realize what our guarantee in reference to draft means? That we can run our Triple Disc Gang, cutting 36 inches, with 4 horses abreast, with less draft and absolutely no side draft, than you can run a Mould-Board Double Gang Cutting 24 inches, with 4 horses, while all Mould-Board Gangs have side draft. That we can run our Disc Gang with three horses with less draft in proportion to each horse than you can handle any other Disc or Mould-Board Gang with four horses, and as easy if not easier than you can run a 16-inch Mould-Board Sulky with 3 horses. We not only save you the expense of one horse, but his feed and keeping.

That we can handle a 14-inch Disc Sulky with two horses with less draft than you can handle any other Disc Sulky or Mould-Board Plow with three horses. We can run our 4-Disc Gang, cutting 48 inches, with 4 horses, and without side draft, as easy as you can handle a Mould-Board Gang, cutting 24 inches, with 4 horses doing twice the work with one man and same team. Our Disc Plow not only plows the ground, but pulverizes it also, and leaves your ground in better condition than when plowed with a Mould-Board. Plow and harrowed three or four times, and leaves the bottom of the furrow corrugated, open and porous, and the shape of the disc acts as a *subsoiler*, while you know the Mould-Board Plow in some kinds of soil only packs it hard and solid.

Our Disc Plow is absolutely guaranteed to plow dry, hard ground in the summer when you can plow with nothing else on earth; and in that ground other Plows will pull twice as heavy as ours. Think of it! Twice as much draft!

The beautiful manner in which it turns under wheat stubble, weeds and cornstalks is simply surprising and not to be believed unless you see it, and you know that these things help to enrich your ground when turned under.

So absolutely perfect is this Plow in construction that you notice we guarantee it against breakage or wear in any of the parts for twelve months, and will give you free anything you break.

It is a Plow that has neither Mould-Board, Landside, Rolling Coulter, Weed Hooks or Shares. It is guaranteed not to break, wear out or get dull inside of one year.

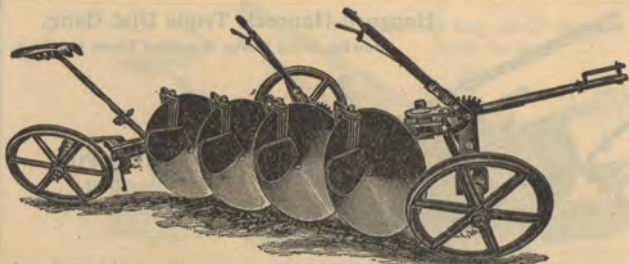
The Disc Blades will ordinarily last about three years. They wear sharp all the time. A good file is sent along with the Plow to sharpen them in case you strike stones. But our new U. S. Disc Sharpener, illustrated on page 12, should be ordered by every owner of a Disc Plow, Disc Harrow or Mower; also sharpens plow shares. A New Disc can be bought for same money that you pay for an ordinary Plow Share, which lasts only one season, if it does that.

There are imitations in the Disc Plow business, as in everything else, but there is only one right way to build a Disc Plow, and the right way is covered by our exclusive patents, and we know it, and you can know it when you read our absolute guarantee to beat any other Disc Plow on earth, both in work and draft.

You may think our guarantee is very wild and visionary. Permit us to say that our guarantee is very conservative and made to meet all conditions and all circumstances, and in actual experience we are able to show the draft of other Plows nine times out of ten is from 50 to 100 per cent. more than our Plow, instead of one-third.

Among its advantages it is constructed to run close to the ground. It bends down the grass, weeds and stalks as it passes over them and forces them into the furrow, where they are fully covered up, where they rot and enrich the ground, and in this respect, to say nothing of the draft and other advantages, it is a hundred per cent. ahead of the imitation High Trestle Disc which others are trying to make; and we are ready to prove our assertion, as we invite any of the manufacturers of other Disc Plows to meet us in the field. We are only aching for a chance to get at them.

Another grand feature is the fact that if you buy one of our Disc Gang Plows you can take off one beam and change it into a Sulky Plow in just a few minutes. If you buy a Disc Sulky you can get the other disc and fixtures any time to change to a Gang, and after Jan. 1, 1902, our Plows will all be interchangeable from a 4-Gang Disc to a Triple or Double Gang or Sulky, and increase from Sulky at any time to a Double, Triple, or Four Gang, all having adjustable blocks between the beams, changing width to 11, 12 or 13-inch and for shallow plowing.



Hapgood-
Hancock
Quadruple
Disc Gang

Hapgood-Hancock Quadruple Disc Gang cuts 44, 48 and 52 inches, and runs with four horses abreast, off-horse in the furrow, center hitch, and with as light draft as any Mould-Board Double Gang, cutting only 24 inches with 4 horses. We do twice the work at same expense. Can be reduced to a Triple or Double Gang or Sulky with only the aid of a wrench. Has adjustable blocks between the beams adjustable to 11, 12 or 13 inches.

We do not recommend so large a plow for hilly or uneven ground, Gumbo or bad land, but for decent ground it is just the thing, doing an enormous amount of work with only 4 horses and one man, and for bad ground can be changed in ten minutes to a smaller size.

PRICE LIST.

Hapgood-Hancock Disc Sulky, 2-Horse Hitch	\$40.00
Hapgood-Hancock Double Disc Gang, 3-Horse Hitch	55.00
Hapgood-Hancock Double Disc Gang, 4-Horse Hitch	56.00
Hapgood-Hancock Triple Disc Gang, 4-Horse Hitch	70.00
Hapgood-Hancock Quadruple Disc Gang, 4-Horse Hitch	85.00

Above Prices F. O. B. Cars, Alton.

Long Levers on any of the above except the Quadruple Gang, \$1.50 extra. (See cuts pages 8 and 9.)

To please some of our friends we have put Long Levers on the Sulky, Double Gang and Triple Gang, to be reached from the seat. It is not-practical, however, for the Quadruple Gang. We do not particularly recommend these, and believe they will be more in the way and less convenient than the Short Levers unless the ground is rough, broken or hilly, then the long levers will be handy, but in level ground you can plow all day and never touch the Levers, while you sit so close to the ground that it is an easy matter to step off and change the Levers.

We will ship to responsible parties who send satisfactory bank reference, any of the above Plows at the above prices, subject to trial. (See the liberal terms on Page 1 of this Catalogue.)

5 per cent. discount will be given from these prices if cash is sent with the order. Every Plow is guaranteed to please you or money refunded. Our terms are very liberal; all we ask of you is to try it if you want a Plow. It is guaranteed to please you on your ground, not a committee of farmers or disinterested parties, but you. In other words you are the Judge and Jury.

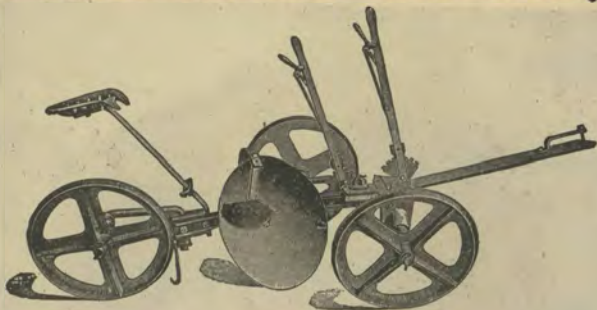
We desire your help in introducing this Plow, and we offer \$5.00 discount to the purchaser of the first plow in a neighborhood if he will hold an exhibition of his plow on his own farm among his farmers, and send us a report of the same with the names of those present. This offer does not apply, however, where the Plow has already been introduced.

We want Farmer Agents everywhere to help us introduce this Plow. It is the only thing we sell through agents. The inventor sets the terms, so that if you are interested and want to assist us, write us for full particulars.

POTWIN, KAN., Jan. 4, 1902. Hapgood Plow Co., Alton, Ill. Gentlemen:—I persuaded my tenant to try one of your Hapgood-Hancock triple disc gang plows, and if he had gotten it earlier he could have sold a hundred, but you know it took nearly two months for us to get it as you were so far behind on your orders. We held a public exhibition before a large number of farmers and will say it worked to perfection and pleased everybody. It is certainly a wonderful plow. I. A. SHRIVER.

BLUE MOUND, ILL., 12-14-1901. Hapgood Plow Co., Alton, Ill. Gentlemen:—I want to say that I have cut and turned under 30 acres of corn stalks with the Hapgood-Hancock disc gang plow. I have used it when the ground was wet and sticky and it works all right. I used only three small horses on the plow and plowed a depth of 6 inches, and I recommend it to all my friends. It is certainly the grandest plow there is made. ELI BLIER.

Hapgood-Hancock Disc Sulky.



MADE WITH LONG LEVERS TO REACH FROM SEAT.

See page 10.

Read what the farmers say who have used the plow and **know**. Would you write such letters and pay your money afterwards, if you were not perfectly satisfied.

BLUE MOUND, ILL., Dec. 9, 1901.

Hapgood Plow Co., Alton, Ill.

Gentlemen:—Mr. Eli Blyler has been running the Hapgood-Hancock Disc Gang in the rain and it was very wet, also in very dry ground. He has been plowing corn stalk land and says it is the lightest draft plow he ever saw. He used only three small horses and it is a caution how it turned under the stalks. We want all Triple Gangs here.

E. N. NEWBERRY.

MINNEAPOLIS, KAN., Dec. 6, 1901.

Hapgood Plow Co., Alton, Ill.

Gentlemen:—I sold the Hapgood-Hancock Disc Gang you sent me, by mistake, to a party who had a Moline Disc on trial. Only plowed three rounds when he sent the Moline back. The difference in work and draft was so plain that any man could see it. There is only one disc plow on earth a success and that is the **Hancock**.

GEO. WESTCOTT.

LOUISVILLE, KAN., Dec. 12, 1901.

Hapgood Plow Co., Alton, Ill.

Gentlemen:—I have one of your Hapgood-Hancock disc gangs and I plowed 25 acres of hard dry ground this summer with three horses which would take six to pull an ordinary mould board plow. Another party here has a disc gang and it takes four horses to pull his, and it is about all they can do. His ground looks like a disc harrow had run over the stubble while your plow turns everything out of sight. There is no question but what you have the only disc plow on earth today. There are a dozen of farmers wanting disc plows and they say that the Hancock beats them all, both as to work and draft, that they ever saw.

W. CLARK.

KINDERHOOK, ILL., Jan. 19, 1902.

Hapgood Plow Co., Alton, Ill.

Gentlemen:—I want to write you that I can take your Hapgood-Hancock disc gang into timothy or blue grass sod and beat any other plow that I have ever seen in breaking or pulverizing sod land. I have tried this plow in almost every kind of land and it simply beats the world every place, and you know I have sold a large number of these plows and expect to sell a great many this season.

Yours truly,

GEORGE FINLEY.

WE CAN FILL A BOOK WITH SUCH LETTERS.



The above cut shows the method of sharpening a Cutaway Disc Harrow, also the position for sharpening Plow, Lays, Solid Disc. The little Machine lying on the ground shows it arranged for a breast Drill.

The U. S. Disc Sharpener, Sickle and Tool Grinder.

Keep your tools sharp and save time, trouble, money and cuss words. Start the Fly Wheel and it will do the rest. Sharpens a Solid Disc Blade, or a Cutaway Blade, both the outside edge and in the crotch. The only Machine that will do this. Does the work in the field without taking it apart as only an emery wheel can.

It is the handiest tool on the farm. No farmer who owns a Disc Harrow, Disc Plow, or a Mower can afford to be without it. Will save its cost many times over the first season. Lasts a life-time by replacing the wheels. Always ready for business for sharpening tools of any kind.

PRICE LIST.

U. S. Grinder and Drill, both stones.....	\$6.50
Extra Wheels for Sickle Grinder (fine).....	.50
" " " Disc Sharpener (hard).....	.50
Saw Gumming Wheel.....	.50

4 per cent discount from these prices for cash with the order.

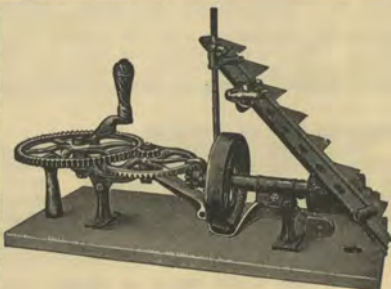
The cut at the right shows the method of sharpening a Mower Knife. The machine is fastened to its own frame. With one hand you start the Machine, the fly wheel keeps it in motion with but slight exertion. Will grind every Section at any bevel. Nothing to compare with it for accuracy, rapidity, ease of adaptability.



HECKER, ILL., October 20th, 1901.—Hagood Plow Co., Alton, Ill.—Gentlemen: I received your U. S. Tool Grinder, and it is a neat little machine, and works fine. I sharpened four cutting box knives of a masticator which were very dull, and it did the job fine, and is worth twice the price for the convenience in sharpening a disc harrow in the field without having to take the machine apart, or go to the shop with it. Every farmer will certainly want one when he knows what it is.

(Signed)

JOSEPH H. SCHILLING.



Has two
Large Cutters,
4-H. Evener
and Neck Yoke,
Lifts High
and Plows have our
Double Boards.

Delivered at Kansas
City, Omaha or Min-
neapolis for \$2 extra.
4 per cent discount
for cash with order.



All our
Steel Wheels
Have
Movable Boxes.

Notice the
Lifting Springs.

THE OLD RELIABLE.—"THE KING OF GANGS."

The above cut shows our Improved Old Reliable Gang which works perfectly with four horses abreast or with two ahead of two. Has steel wheels, spring lifts, two cutters, four-horse evener and neck-yoke. The beams are very strong, it is very easy to handle, is perfectly carried on three wheels, and is warranted to run lighter on the team than any walking plow in proportion to the work done and lighter with driver riding than any Wheel Plow made. Plows made with Double Boards, and furnished with Chilled Cast Shares when ordered. We recommend cast shares for hard or sandy ground. Rod or mouldboard breaker bottoms can be furnished for all Sulkies, Gangs, etc. Weight, 550 pounds. Seat is steel—something new.

The Best Gang on earth if you do not wish to turn a square corner.

12-inch Old Reliable Gang, weight 550 lbs., Cut Price, \$40 00.
14-inch " " " 550 lbs., Cut Price, 42 00.

TONGUELESS GANG.

Add \$2.00 to get price F. O. B.
at Kansas City, Omaha or Min-
neapolis.



4 per cent discount for
Cash with Order, 4

URNS A SQUARE CORNER
TO
PERFECTION.

Furnished with Adjusting
Land Lever,
Wide Shares, Steel Seat and
Double Boards, Two
Large Cutters, Weed Hooks
and 4-Horse Evener.

The above cut represents our New Tongueless Gang Plow, which works perfectly with FOUR HORSES ABREAST OR STRUNG OUT—THE OFF HORSE IN ALL CASES WALKING IN THE FURROW. It has steel wheels, spring lift, large rolling cutters, leveling lever, adjusting land lever, and perfect lifting lever, which gives it an advantage over all other Wheel Plows. Made also without Riding Attachment. Plows made with double boards and steel seats. Rod or mouldboard breaker bottoms extra.

All our Tongueless Gangs and Sulkies are provided with a convenient device for holding the Plow from running on the horses' heels when the plows are out of the ground. This is a valuable improvement over all others.

12-inch Tongueless Gang, weight, 500 lbs., Price \$39 00.
14-inch Tongueless Gang, weight, 500 lbs., Price 41 00.

HAPGOOD NEW TONGUELESS 3-WHEEL SULKY WIDE SHARES, STEEL SEAT AND DOUBLE BOARD.

Price, \$25.00.

4 per cent discount for cash
with order.

The above cut represents our New Tongueless 3-Wheel Sulky, with caster wheel in the furrow, both at rear and in front of the Plow, and which is warranted to turn a square corner better than any other Sulky in the world. It is light draft, simple in construction, very easy to handle, and made of the very best material, and at the price we ask for it is the cheapest Sulky in the world. It is made with steel wheels, with movable boxes and has large rolling coulters. In turning at the ends, or moving about, the double-trees raise high off the ground, and the brake keeps the Plow from running on the horses' heels. Weight, 300 pounds.

SENT COMPLETE, with CUTTER,
EVENER and WEED HOOKS.



We will also be pleased when requested to quote you prices delivered at your railroad station on any of our goods. Add \$1.50 net and will deliver at Kansas City, Omaha or Minneapolis.

NEWTON, KAN., Aug. 25, 1898.—Haggood Plow Co., Alton, Ill.—Gentlemen: Enclosed please find settlement for the Old Reliable Sulky. I sent it out against a three-wheel sulky of another make, and the man brought the other back and kept ours. The Old Reliable always takes the cake.
JAS. HOWARD.

THE KING OF 2-WHEEL SULKIES—THE OLD RELIABLE HAGGOOD.

Cut Price,
\$28.50
Net.

Price, F. O.
E. Kansas
City, Omaha
or Minne-
apolis,
\$1.50
EXTRA.



Showing position of
Old Reliable when tak-
ing the ground.

will appreciate this point in the Old Reliable Sulky. Owing to the little wheel sulky, and the great demand for the Old Reliable, which is the acme of simplicity in construction, we have decided to again reduce the price, making it **not only the best, but the cheapest Sulky Plow in the world.** We do not recommend the Old Reliable to turn a square corner, and do not think that any practical farmer wants to do so, as it is much easier on the team and takes less time to drive around on a headland. Furnished with Rolling Coupler, Triple Tree, Neck-yoke and Weed Hook.

Establish your responsibility and we
will send you goods on trial, not
one cent in advance.

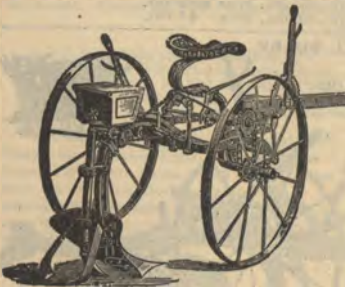
NEW HOLLAND, ILL., March 19, 1898.—Haggood Plow Co., Alton, Ill.—Gentlemen: I received the Sulky Plow the 15th; have tried it and it is giving perfect satisfaction in every respect. I enclose you draft for the sulky. You will hear from me again soon.
Signed, ED. DYCKINGER.

KANE, ILL., Sept. 5th, 1898.—Haggood Plow Co., Alton, Ill.—Gentlemen: The Sulky Plows I bought of you give good satisfaction. I don't think the Old Reliable can be beat for good work and light draft.
Signed, L. F. CARRICO.

WHEELING, MO., May 2, 1898.—Haggood Plow Co., Alton, Ill.—Gentlemen: Please accept my thanks for the Lister you shipped me. I received it in good shape and it works like a charm. You will hear from me with other orders soon.
Signed, P. P. PUGH.

45 cash discount.

OUR "OLD RELIABLE" RIDING LISTER.



With new Triple Cut Off, Spring Lift, Adjustable Spring Chain Tightener and Automatic Throw-out. Is the only Riding Lister made that will double list. Being high under the beam and having a leveling lever, it will run where others can not work. Raising the Lister out of the ground with the lever, throws the dropping apparatus out of gear, so that corn is not scattered in turning or moving. It is furnished with three-horse eveners that enables the operator to put the outside horse in the last row and thus gauge the rows all the same width. It drops 12, 14, 16 or 20 inches apart. The Subsoiler can be adjusted to any required depth. Covering blades throw up a ridge in the center of the row, leaving a drain on either side, preventing the washing out of the corn, or being covered up by a washing rain. In fact, it has every necessary point or feature to make it a **Perfect Lister**, and has the same frame as our "Old Reliable" Sulky Plow, and we furnish a Sulky Attachment complete for a few dollars, that changes the Lister to a regular Sulky Plow.

14 or 16-inch "Old Reliable Sulky complete	400 lbs.	\$30.00
14-inch Lister Attachment complete with Drill and fixtures to convert Sulky into Lister Sulky	200 "	21.00
16-inch Lister Attachment complete with Drill and fixtures to convert Sulky into Lister Sulky	225 "	22.00
14 or 16-inch Sulky Lister complete with Covering Shovels	450 "	33.00
Sulky Attachment with Triple-trees, Neck-yoke, Cutter and Weed Hook to convert Lister into Sulky	175 "	18.00
Add \$1.50 and we will deliver at either Kansas City, Omaha, or Minneapolis.		

RICH OR POOR

All can buy goods of us at the same price.

READ RULES HOW TO ORDER.

Responsible Parties

Can have goods

SENT ON TRIAL.

READ RULES HOW TO ORDER.

Our Improved Combined Lister.

Which we confidently believe to be the best Lister manufactured, as we claim the following advantages:

1st. The boards are either narrow or wide, but we always send cut out our narrow board unless otherwise specified.

2d. We have patent runners or double landsides which carry the lister in an upright position, making it the easiest lister there is made to hold.

3d. The sub-soiler is adjustable up and down and independent of the Drill.

4th. The sub-soiler is easily repaired, as the blade alone costs but 25c. and can be put on with a wrench without the necessity of going to the shop.

5th. The drill spout can be adjusted to drop any depth independent of the sub-soiler.

6th. Our Patent Malleable frog enables us to make a share that any blacksmith can sharpen and supports the lay and boards better than any made.

7th.—Our covering shovels are adjustable and so arranged that they cannot clog or break, and leave the furrow higher in the middle than on the sides, thus protecting the corn from washing out and making it easy to cultivate.

8th.—Our large sprocket wheel cannot clog and never fails to drive the dropper. It is raised in turning, thus throwing the dropper out of gear.

9th.—The drill box is large and substantial. Has our patent cut-off and drops absolutely perfect. Furnished with three sizes of dropping plates and has a sprocket wheel to drop 8, 10, 12, 14, 16, 18, 20, 22 or 24 inches apart. The drill box and sprocket chain are perfectly protected from stalks and clogs by the shield shown in the cut.

Broom corn or kafir corn plates furnished when ordered extra. Our dropping box brings the corn in sight in dropping, enabling you to always know that the corn is being dropped regularly, and we have the most perfect device for knocking all kinds of corn through the plates. Our adjustable handles for the coming season will satisfy everyone, both the long and the short. Our drill attachment can be taken from the lister and changed to an independent drill at an expense of only \$1.00.

If you want the best lister in the world, try this. We could furnish you with thousands of testimonials, and our plan enable you to try the lister yourself before you pay us a cent. Furnished with either sprocket or solid wheel, or both, if desired.

Hundreds of these Listers sold last season and not a complaint. PERFECT is what the Farmers all say.

\$17.75 Net Cash.



OUR SUBSOIL LISTER, WOOD BEAM, WITH RUNNERS.

SUBSOIL LISTER, STEEL BEAM AND RUNNERS.

We furnish Subsoil Listers with Runners, as they handle so much easier and run so much steadier.

The Only Lister on the Market That Has Runners.

PRICE LIST.

14-in. Imp. Lister, Sprocket or Solid Wheel, weight 170 lbs. Price.....\$18 50

16-in. Imp. Lister, Sprocket or Solid Wheel, weight 170 lbs. Price.....19 00

If both wheels are wanted, add 50 cents. Add 75 cents and will deliver f. o. b. Kansas City, Omaha or Minneapolis. Broom corn plate 50 cents extra. Blank plates, drill your own hole to suit, 30 cents net. Will scour any place. Drill is absolutely perfect and reliable. Wheel attachment to change drill part to separate Corn Drill \$1.00 extra. See page 16

See page—for description of our new Subsoil knife and runners. This Lister will scour in any soil.

14-inch Subsoil Lister, Wood Beam and Runners, weight, 100 lbs. Cut Price.....\$11 00

14-inch Subsoil Lister, Steel Beam and Runners, weight, 100 lbs. Cut Price.....11 50

16-inch add.....1 00

Add 50 cents extra and will deliver f. o. b. at Kansas City, Omaha or Minneapolis.

CALDWELL, KAN., Sept. 14, 1898.—Gentlemen: The Harrows arrived all O. K. and we are well pleased. Signed, J. A. WEED.

MITCHELL, KANS., April 4, 1898.—Hapgood Plow Co., Alton, Ill.—Gentlemen: I saw the man I ordered the Improved Lister for and it gives more than satisfaction, and he saved \$6.00 on it. He will give more orders this fall. Signed, J. R. HODGR.

SPRAGUE, NEB., May 29, 1897.—Hapgood Plow Co., Alton, Ill.—Gentlemen: The Improved Lister I bought of you works all right. I will want another one next season, and one of your Sulky Plows this fall. The farmers are catching on to your way of doing business and are mighty glad to learn that there is one factory that is willing to deal with them direct. These hard times the factory and the farmers should join hands and get close together. Yours truly, M. E. GORR.

STEEL LEVER HARROWS.



FLEXIBLE FRAME SHOWING SPRING.



RIGID FRAME.

We make these Harrows with flexible or rigid frame, the flexible frame having the cross or truss bars only on the top, while the rigid have the cross bars or truss bars across both top and bottom.

The rails are made of Channel Steel, very light and very strong, with a square hole at the bottom, and round hole at the top, enabling us to get the full strength of the teeth, which are fastened in by a hexagon nut on top of the rail. This harrow is a great improvement over any harrow made and has features covered by our patent that no farmer would do without when once understood. The cut above of flexible Harrow shows our spring device which we can put on either style Harrow at an additional expense of 50 cents a section. The spring gives the teeth a Vibrating or Dancing Motion that keeps them from gathering trash—causes them to pulverize the ground more thoroughly than any other—and thoroughly protects the teeth or frame from being injured or bent by striking an obstruction. The springs can be changed to the ordinary style by changing a pin from the hole in front of the casting to a hole through the casting, and thus give the operator both styles of Harrows in one, at but a small difference in price. The easiest harrow on the market to set up, the castings being fastened to the rails and the cross bars attached with bolts.

Cut Price.

64-Tooth, 2 section, Flexible, weight, 180 lbs... \$ 9 00

96-Tooth, 3 section, Flexible, weight, 250 lbs... 13 50

64-Tooth, 2 section, Rigid, weight, 190 lbs..... 9 50

Each section, 32 Teeth, cuts 4 feet 8 inch. Add 50c a section for Springs. Each section, 40 Teeth, cuts 5½ ft.

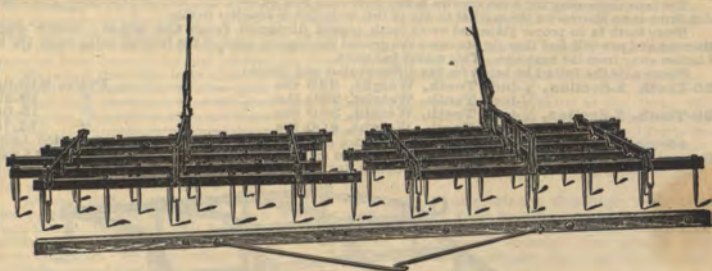
Cut Price.

96-Tooth, 3 section, Rigid, weight, 260 lbs.....\$14 25

80-Tooth, 2 section, Flexible, weight, 200 lbs... 11 50

80-Tooth, 2 section, Rigid, weight, 210 lbs..... 12 00

Each section, 40 Teeth, cuts 5½ ft.



OUR CHANNEL STEEL 5 BAR LEVER HARROW.

The above cut shows our 5-Bar Flexible Frame Channel Steel Lever Harrow, same as above. The great objection to a Gas Pipe Harrow is the fact that the Tooth must be rounded for almost 2 inches in order to go through the pipe, and the consequences are that the tooth is no stronger than a 7-16 Round Tooth. Note our exceedingly low prices on this harrow.

60-Tooth, 2 Section, 5-Bar Flexible Frame Harrow, cuts 10 ft., wt. 206 lb., ½ Teeth..... \$ 9 50 Rigid, \$10 00

90-Tooth, 2 Section, 5-Bar Flexible Frame Harrow, cuts 15 ft., wt. 310 lb., ¾ Teeth..... 14 50 Rigid, 15 00

The Harrows on this page are shipped out tied up in bundles with the Teeth all fastened in the rail in the proper place. Each Section makes a bundle about 8 inches square and 4 feet long. Most convenient to handle, and can be set up in a few minutes. The only thing required is a Wrench.

SOMMERS, Ia., Sept. 2, 1901.—Put up the disc gang in just 9 minutes. Plowed low bottom land hard and dry; plowed half an acre without ever stopping the team or starting the sweat on the horses. It is truly a wonder.

J. A. WOODBERRY.

GILMORE CITY, Ia., Sept. 27, 1901.—You will find draft for disc gang for R. W. Beers; also two more which send me as soon as possible. It is the grandest plow in the world.

LYMAN BEERS.

RADFIELD, Ia., Sept. 15, 1901.—With a lot of my neighbors I tested your disc gang in the hardest ground we could find, and to our great surprise it went right through and turned a furrow 7 inches deep, with only 3 horses, and did not pull them at all. It surely is going to drive the mould board plow into the fence corner.

C. E. TRENT.

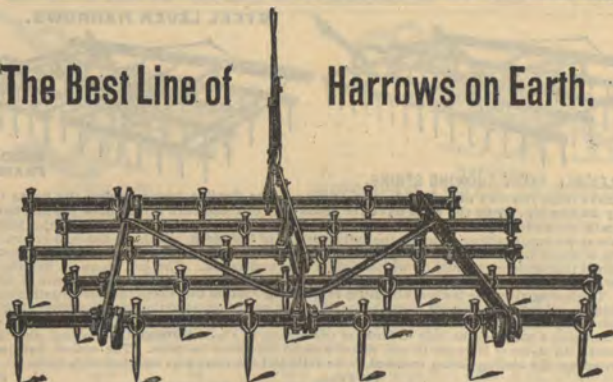
MOVILLE, Ia., July 12, 1901.—Great many saw my plow at work, and it is giving perfect satisfaction. Everybody is pleased.

R. MILLER.

AREDALE, Ia., Aug. 13, 1901.—I am stuck on my disc plow. You certainly do not exaggerate in the least when you claim it is as far ahead of the mould board plow as that was ahead of the crooked stick. It is just the plow we have been looking for for many years.

J. KYLN.

The Best Line of Harrows on Earth.



ONE SECTION OF OUR NEW IMPROVED U-BAR HARROW.

This Harrow is similar to quite a number of others on the market, and differs from our Channel Steel Harrow in the fact that the Teeth are clamped on to the side of the rail with a malleable clamp. The supposed advantage is in the fact that the Teeth can be set down as they wear out.

The rails containing the teeth revolve in two steel cross bars on each end, and we absolutely guarantee that there is no Harrow on the market to-day of this style that is superior to this.

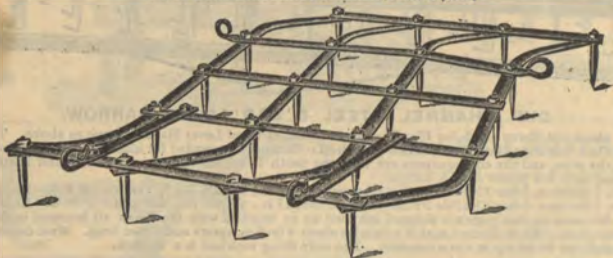
Every tooth in its proper place and every tooth equal distance from the other. Notice other Harrows and you will find they do not cover the ground thoroughly, some of the furrows being from $1\frac{1}{2}$ to 3 inches away from the next one. This makes bad work.

Please note the Price-List below for the different sizes and prices:

60-Tooth, 2-Section, $\frac{1}{2}$ -inch Teeth, Weight, 240 lbs.	Price, \$10.00
$\frac{3}{4}$ -inch Teeth, Weight, 280 lbs.	" 10.50
90-Tooth, 3-Section, $\frac{1}{2}$ -inch Teeth, Weight, 360 lbs.	" 15.00
$\frac{3}{4}$ -inch Teeth, Weight, 400 lbs.	" 15.75

4-Section Harrows at a proportionate price. Price complete with eveners. All our 8-Section Lever Harrows have combined 2 and 8 horse hitch; can use two sections only if desired. Each Section cuts 5 feet.

4 Per Cent Discount For Cash With Order.



OUR BULL-DOZER HARROW. (NOT A LEVER HARROW.)

The above cut shows one Section of our Bull-Dozer Harrow, made of Iron and Steel, with $\frac{5}{8}$ Steel Teeth, fastened securely with a Nut on the top.

This Harrow has been made to supply the demand for a strong harrow, one that you can load or ride on if necessary, and in the vicinity of Alton, in the American Bottoms, where the ground is hard and full of gumbo, there are more of these Harrows sold than all the other styles put together, and if you want a Harrow for heavy and hard usage, there is nothing on the market to-day to compare with this.

Please note our Price-List for the different sizes.

40-Tooth, 2-Section, $\frac{3}{4}$ -Teeth, Weight, 163 lbs., cuts 7 feet	Price, \$ 8.00
60-Tooth, 3-Section, $\frac{3}{4}$ -Teeth, Weight, 250 lbs., cuts 10 feet, 6 inches	" 12.00

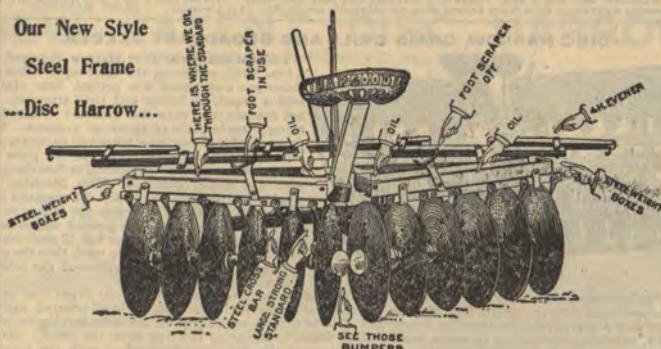
Each Section cuts 3 feet, 6 inches. Prices complete with Eveners.

4 per cent discount for cash with the order on all Harrows. Larger sizes at a proportionate price.

CHANDLERVILLE, Ills., Sept. 30, 1901.—Hapgood Plow Co., Alton, Ills.—GENTLEMEN: Enclosed find draft for the U-Bar Harrow and it is satisfactory in every way. It is as good as I could buy here for \$18.00. You certainly are doing good work for the farmer.

H. A. ANDOTT.

Our New Style Steel Frame ...Disc Harrow...



ARRANGED TO USE EITHER 3 OR 4 HORSE EYEBARS AS ORDERED.

The above cut shows our Celebrated Disc Harrow, licensed under the Ladow Patents, and contains all the good points of the old Budlong with our new improvements.

The Ladow Patents cover all the vital principles of a Disc Harrow, and a perfect Disc Harrow cannot be made without using these features, consequently you should beware of imitations, as other parties are imitating this Machine in appearance while avoiding the detail construction.

You will observe the Bumpers in the center take all the side thrust off the Gangs, relieving the Boxes or standards, which enables us to give you an absolute guarantee that our Boxes will not wear out in years, and we will furnish them free if they do. No other Factory dare give you such a guarantee, and every one knows that this is the great trouble with other Discs. Manufacturers who put in Ball Bearings, Steel Plates, Spring Bars and other devices over which they make loud claims, are compelled to do so to avoid these Patents, and their shouting is simply to cover up the main point.

We oil down through the tops of the standards, so that the oil reaches the boxes without fail. We have no oil holes down in the mud between the Discs, and our boxes are dust proof.

We believe that these facts when known and studied by practical farmers, will convince any one that it is the only successful Disc Harrow made.

In addition we furnish Steel Weight Boxes, Malleable Scrapers that fit the shape of the Disc. We draw from the center of the axle, and absolutely have no side draft or weight on the horses' necks. We do not hesitate to ship subject to trial under the rules in our Catalogue, and the fact that we are willing to do so certainly demonstrates we have no fear of our goods pleasing you. We are the only Mail Order House that ships goods on Trial. We urge all our friends, however, to send Cash with order, and take advantage of the Cash discount. It is absolutely safe, as we guarantee to refund your money if you are not satisfied, and as you are sure to be satisfied you save this cash discount.

We not only propose to give you the best, but in our direct dealings with the farmer, cutting off all Agents and Middle men, we are able to give you as low prices, if not lower, than you can buy cheap, flimsy, light built, inferior harrows through the middle men. Beware of imitations sold by supply houses, made of poor material, light castings, and light gauge blades. We could reduce our castings 75 lbs. and still have a stronger disc than others. Buy the genuine and original.

We also want to call your attention to the following pages, showing our complete line of Disc Seeders and Disc Drills, as well as the wonderful invention "The Disc Harrow and Drill throwing the earth all one way." The Best Steel Blades That Money Can Buy.

No.	Size	Weight	Price	No.	Size	Weight	Price
No. 0.	8-16 in. Discs, cut 4 ft.	350 lbs.	\$17 00	No. 000.	8-20 in. Discs, cut 4 ft.	375 lbs.	\$19 00
No. 00.	10-16 in. Discs, cut 5 ft.	375 lbs.	18 50	No. 0000.	10-20 in. Discs, cut 5 ft.	400 lbs.	20 50
No. 1.	12-16 in. Discs, cut 6 ft.	400 lbs.	20 00	No. 4.	12-20 in. Discs, cut 6 ft.	425 lbs.	22 00
No. 2.	14-16 in. Discs, cut 7 ft.	450 lbs.	22 00	No. 5.	14-20 in. Discs, cut 7 ft.	525 lbs.	24 00
No. 3.	16-16 in. Discs, cut 8 ft.	500 lbs.	24 00	No. 6.	16-20 in. Discs, cut 8 ft.	575 lbs.	26 00

18 in. Discs \$1 more than 16. If 4 Horse Eyebars are not wanted, deduct \$2. Machines with 8 Discs furnished with 2 Horse Eyebars. 4 per cent discount for cash with order.



This small cut shows the method of sharpening a Disc Harrow with our U. S. Disc Sharpener, without taking the Machine apart. A grand tool that pays for itself in a very short time, as well as being a perfect general tool Grinder, Sickle Grinder and Drill. No owner of a Disc Harrow can afford to be without this handy tool. See P. 12

U. S. Disc Grinder and Drill with Sickle Stone only	\$6 00
U. S. " " " " Disc Stone only	6 00
Extra Wheels 3x3 for Sickle Grinder (Fine Stone)	50
" " 3x3 " Disc Sharpener (Hard Stone)	50
Saw Gumming Wheel	extra 50

Terms, F. O. B. Alton, Ill. Cash with order, less 5% discount, or if 25% of amount is sent, balance to be shipped C. O. D.

All Machines Guaranteed satisfactory or money refunded, and Machine returned at our expense. We want Agents for this Disc Sharpener, as the Inventor insists on it being sold in that way.

DISC HARROW, GRAIN DRILL AND BROADCAST SEEDER.



This cut shows our Disc Harrow changed into a Disc Drill, removing the steel tops. This machine you understand is a perfect Disc Harrow with a Broadcast Seeder and Drill attached. Do not confuse this with the ordinary Grain Drill using Discs in place of shoes or runners. With those machines you must plow and cultivate your land first, and with our machine we plow the ground with the Disc Blade, Drill or Sow the grain with the same operation. This Machine was originally invented to supply the demand from Western Kansas, and to enable the farmer to sow his wheat in the hard, dry ground immediately after Harvest. The Machine has 12 seed cups, or double the number generally used, thus the grain is evenly distributed regardless of the wind or side hills.

The Covering Blade in the center covers the grain, and levels the ground. The Drill Pipes can be set up or down to suit the operator. The grain is deposited at a uniform depth where it is all covered, and you can sow any depth not deeper than the Discs run. Can be thrown out of gear on one side, leaving the other to work, enabling the operator to sow a narrow strip when finishing or running near the fence. Has an adjustable chain tightener. The Shields at the end prevent the dirt from interfering with the sprocket wheel. The Drill can be taken off or left on and the Disc used as a Harrow only. It has a perfect Index showing the quantity of seed sown to the acre, and an absolute force feed, as we use the same seed cups that are used on the leading Grain Drills.

All Drills include Broadcast Seeders, as it takes all of a Broadcast Seeder to make a Drill, but Broadcast Seeders are not Drills.

We warrant our Improved Drill to work in as many kinds and conditions of work as any Drill made, and to do good work in places where no Shoe or Hoe Drill will work, but there are places and conditions where it will not work, and in such case the Broad Cast Seeder Attachment which goes with all Drills, covers the case and makes a machine that the farmer can always work.

No. 4AD. 12-20 inch Disc Drill, 4 horse hitch, weight 700 lbs., price.....	\$40 00
No. 5AD. 14-20 " " " " 750 " " ".....	45 00
No. 6AD. 16-20 " " " " 800 " " ".....	50 00
No. 1AS. 12-16 inch Disc Seeder, 3 or 4 horse hitch, weight 550 lbs., price.....	33 00
No. 2AS. 14-16 " " " " 600 " " ".....	36 00
No. 3AS. 16-16 " " " " 650 " " ".....	40 00
No. 4AS. 12-20 inch Disc Comp., " " " " 600 " " ".....	36 00
No. 5AS. 14-20 " " " " 700 " " ".....	39 00
No. 6AS. 16-20 " " " " 750 " " ".....	43 00

4 per cent discount for cash with the order.



OUR IMPROVED DISC DRILL

With Discs $9\frac{1}{2}$ Inches Apart.

This improvement was made at the suggestion of Practical Kansas Farmers, and after a year's test in the field has proven such a great success that we have no hesitation in recommending them over all others and guaranteeing them to give satisfaction.

The fact that we could not fill our orders last year for Disc Drills, and that many manufacturers are this year putting untried Disc Drills on the market, shows that the Disc Drill has come to stay, and that they will entirely supersede the old Shoe and Hoe Drills.

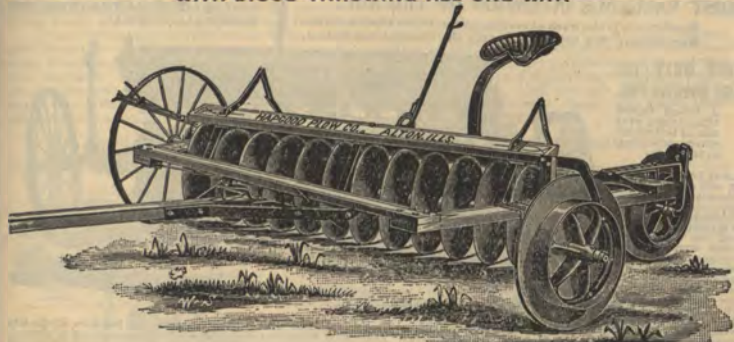
Our Disc Harrows and Drills are all built under the celebrated LADOW and Budlong Patents, and are the only Discs made that will not wear out the boxing with side pressure, and will wear five times as long as others. The oiling device alone is worth \$10 over others. They are stronger than any other, and will drill in the hardest Kansas stubble field without plowing or previous preparation. Being wide apart the discs will not clog up but will work in corn stalks or anything else where a common drill could not go a yard. Drilling the rows $9\frac{1}{2}$ inches apart leaves a space that is not broken and the earth from the discs that is thrown up on this space acts as a mulch and the ridge retains the moisture, and in stubble ground leaves a row of stubble that prevents the wind blowing the grain out, and also keeps the snow from blowing away. (Kansas farmers are enthusiastic over the last two points.) In fact they will work anywhere others will, and many places where the others cannot work at all. There is no neck draft, no side draft, the driver sits where he can see the grain go into the ground, and know that the machine is working right. It can be changed into a regular Disc Harrow at a trifling cost; will sow perfectly from half a bushel to four bushels to the acre. (Please note that our all-one-way drills are also made to drill $9\frac{1}{2}$ inches apart.)

Price of 8-20 Disc Drill, $9\frac{1}{2}$ in. apart, $6\frac{1}{2}$ foot cut.....	\$36 00
Price of 10-20 Disc Drill, $9\frac{1}{2}$ in. apart, 8 foot cut.....	41 00
Price of 12-20 Disc Drill, $9\frac{1}{2}$ in. apart, $9\frac{1}{2}$ foot cut.....	46 00
Price of 4-20 Discs with Attachment to change to Regular Disc Harrow.....	4 00

No scrapers furnished because not needed. 20-inch Discs only. Special Machines also furnished with Discs 8 inches apart. Same Price. 4 Per Cent Discount for Cash with Order.

NEW PATENT DISC HARROW.

WITH DISCS THROWING ALL ONE WAY.



Is carried on wheels with a flexible tongue. We claim the following points of superiority over all others. The discs being in one gang and turning the earth in one direction, there is no ditch left in the middle nor any ridge made where the earth laps or comes together. All farmers who have used the old style discs will see the advantage of this point.

It being carried on wheels the depth can be perfectly controlled and the discs still run at full angle without running so deep the team can't pull it. The old style discs when set at full angle in soft ground runs too deep, and when the angle is changed to keep it out of the ground it does not do good work.

The disc is always run with full angle and thus does good work in any kind of ground.

It can be raised off the ground to move about the farm or to turn around at the end of the land.

It has strong, durable and adjustable wheels with movable boxes to take the side push, and has no side draft, the wheels having flanges cutting in the ground deep enough to support the side pressure and prevent all side draft.

The discs can be raised or lowered in an instant without stopping the team and from the driver's seat.

We use polished discs and furnish no scrapers, as where a disc will not run without scrapers it will not do good work with them, and when polished they will clean where the ground is fit to work.

Having a flexible and adjustable tongue, there can be no side draft or weight on the horses' necks.

The rear wheel being a caster wheel, the machinery is very easy to turn at the ends when it is unlatched. Our disc boxes are oiled through the top of the standards, the oil going just where wanted, and the oil holes being where no dirt can get in them.

All of our new discs are sent out fitted for receiving our Drill Attachments or Broadcast Seeder Attachment; and they can be put on by any one without trouble. Any boy large enough to handle a team can raise this disc out of the ground and adjust it without leaving his seat.

We furnish an extra wheel to protect the knife on bull wheel when moving. See description of same machine as a Disc Drill. This Disc Harrow is a perfect Cultivator and Weed Killer, and the best machine for cultivating summer fallow.

Send for circular containing names and testimonials of parties who have used them.

No. 4X.	12-20 inch Discs, Harrow only,	cut 64 feet, weight	900 lbs.	Price, \$35 00
No. 5X.	14-20 " " " " " " " "	74 " " "	1000 lbs.	38 00
No. 6X.	16-20 " " " " " " " "	84 " " "	1100 lbs.	41 00

NOTICE.—The above prices are C. O. D. or on trial if order is sent us accompanied with a recommendation from your bank in accordance with our printed rules and terms on page 1. 4 per cent discount will be given, however, from these prices if cash is sent with the order, and we are ready to refund your money if you do not find the machine entirely satisfactory and as represented.

WALLA WALLA, WASH., April 5, 1897. Gentlemen.—In reply to yours asking what I have to report on the Disc Drill I bought of you last spring, will say that I used the new Disc Drill and Disc Harrow in all kinds of work on my thousand-acre farm for about two months and find it a great improvement over any machine I have ever seen. As a Disc Harrow, throwing all one way, it will do the work of two ordinary Discs on side hills, and leaves the ground level, as the others do no good with the half that throws up hill, and being controlled in depth by the wheels it can be run shallow in soft ground and does far better work than the old style. It is also a better weed killer where the weeds are large than anything I have seen in this country. As a Drill, my experience was very satisfactory. The rains last summer caused an unusual growth of weeds on summer fallow, and where my neighbors had to replot their fallow and then drill their wheat, I put my wheat in and killed the weeds at one operation, getting over the ground as fast with my one team and machine as they did with three gang plows and three teams, besides the drilling they had to do after plowing, and my work was much better than theirs, as they turned the trash and foul seeds up to the surface, while I cut my ground shallow, killing the weeds and drilling the wheat at the same time and left the trash and foul seeds at the bottom of the summer fallow plowing. Yours very truly, HOLLON PARKER.

TIMKEN, KAN., Jan. 15, 1898. Gentlemen.—In reply to your letter about the Disc Drill throwing all one way, would say that I sold at my station 16, and one at Rush Center. They have given better satisfaction than any other in this country. If you could have furnished them promptly, I could have sold twice as many, as I turned away as many orders as I sent you, as they could not wait. The Drill is perfect in feed, runs light and does better work than any I ever saw. I expect to sell a car load of them next season.

(Signed)

CHARLES LEWIS.

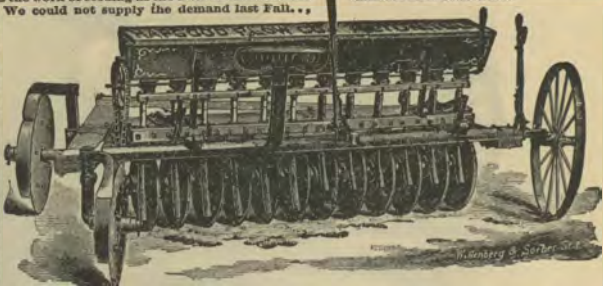
MOST VALUABLE INVENTION OF THE AGE.

Revolutionizes the work of seeding as the Twine Binder did the Harvesting. We could not supply the demand last Fall..

JUST WHAT YOU ARE LOOKING FOR.

A Wood Guard Wheel slips over tire of left wheel when in moving over roads.

Any practical Farmer will appreciate its advantage on a moment's thought. It saves no ditches or ridges, it is carried on wheels and the depth perfectly controlled by the lever, while at the same time the Discs are always running at full angle. Can be moved about the farm without injury to the Discs. We furnish a



THE NEW PATENT DISC HARROW AND GRAIN DRILL THROWING THE EARTH ALL ONE WAY.

Guard Wheel to protect the Knife on the Bull wheel when moving. No side draft. The wheels on the left take all the side pressure. Flexible Tongue. No draft on the horses' necks. Rear castor wheel, enabling the machine to turn easily at the end. We use the same Standards and Boxes as our regular Discs, cutting down through the top of them. The Drill or Broadcast Seeder Attachment can be taken off at any time. Sold under our strong guarantee to work anywhere that the Discs will clean or scour. We also have Disc Drill and Seeders throwing earth both ways. See description in this Catalogue.

We claim the following advantages for this Drill over all others, either of the Disc or Shoe Drill family:
1st. All the advantages claimed for the Disc Harrow apply to the Drill, only in a greater degree.
2nd. The Disc Drill when sharp and polished will cut through sod and trash and run where no other drill can go.
3rd. It drills the grain in rows only 6 1/2 inches apart, so that the grain is more perfectly distributed and less liable to grow with a row of weeds alternating with the grain.

4th. The Discs perfectly cultivate the ground at the time of putting in the grain, and leave it in better condition than any other.

5th. The grain is deposited in the bottom of the trench behind the discs, and is put in at a uniform depth and covered perfectly as deep as required, and thus needs no wheels behind to help cover the grain, (the wheels make furrows over the rows of grain and may cause the wind to blow it out of the ground.)

6th. The Drill Pipes are adjustable so that the grain can be discharged at any height desired, which is an important point, as when cutting in sod or shallow work the pipes must discharge the seed near the ground or it will scatter and not fall in the furrow and be left on top of the ground, which in soft ground or where it is desired to put the grain deeper, the pipes should be raised to prevent them clogging and to plant the seed at less depth than disc runs. Don't forget this point when selecting a drill.

7th. The driver at all times can see the cups and drill spouts, and know that they are working perfectly.

8th. We guarantee our seeding apparatus to be as good as any made, and to sow from a half bushel to four bushels to the acre perfectly, if the grain is dry and clean.

9th. All of our drills are furnished with our Broadcast Seeder Attachment, and the drill can be changed to a Broadcast Seeder and vice versa, in a few moments time. This is a great advantage, as there are times and conditions when no drill can work, and this enables the farmer to continue his work rain or shine.

10th. This Disc Harrow is a perfect Cultivator and Weed Killer, and the best machine made for cultivating summer fallow.

Hendicott, Wash., May 6, 1901.—Gentlemen: I have two of your Disc Seeders throwing all one way, and I have sowed over 800 acres of wheat this spring with it; part of the ground had not been plowed for two years. They put it in good shape. The balance of the ground was summer fallow and weeds, and they killed the weeds and left the ground in fine condition, while others who put theirs in with the common disc drill, using discs instead of shoes or runners, did not get their weeds killed and their ground is not nearly in as good condition. My grain is all up and looks fine. It is certainly a wonderful machine for this country.
LILLIS S. SMITH.

PRICE LIST.

2X	8-20 Disc Harrow only, cutting 4 1/2 feet, weight	700 pounds	\$31 00
2XS	8-20 Seeder, " 4 1/2 " " "	900 " "	45 00
2XD	8-20 Drill, " 4 1/2 " " "	1000 " "	49 00
3X	10-20 Disc Harrow only, " 6 1/2 " " "	800 " "	33 00
3XS	10-20 Seeder, " 6 1/2 " " "	1000 " "	47 50
3XD	10-20 Drill, " 6 1/2 " " "	1100 " "	52 00
4X	12-20 Disc Harrow only, " 8 1/2 " " "	900 " "	35 00
4XS	12-20 Seeder, " 8 1/2 " " "	1100 " "	50 00
4XD	12-20 Drill, " 8 1/2 " " "	1200 " "	55 00
5X	14-20 Disc Harrow only, " 7 1/2 " " "	" " "	38 00
5XS	14-20 Seeder, " 7 1/2 " " "	" " "	55 00
5XD	14-20 Drill, " 7 1/2 " " "	" " "	60 00
6X	16-20 Disc Harrow only, " 8 1/2 " " "	1100 " "	41 00
6XS	16-20 Seeder, " 8 1/2 " " "	1200 " "	60 00
6XD	16-20 Drill, " 8 1/2 " " "	1300 " "	65 00

The No. 12 size is generally ordered for 4 horses; smaller sizes for 3 horses; larger sizes for 4 to 6 horses. We also have Disc Drill and Seeders throwing earth both ways.

PRICE LIST OF ALL ONE WAY DISC DRILLS, DISCS 9 1/2 IN. APART.

8-20 Inch Discs, cutting 6 1/2 feet.	\$54 00
4-20 Discs with Fixtures to change to Regular Disc Harrow	4 00
9-20 Inch Discs, cutting 7 feet 3 inches	57 00
5-20 Discs and Fixtures to change to 14-20 Pulverizer	5 00
10-20 Inch Discs, cutting 8 feet.	62 00
6-20 Discs with Fixtures to change to Regular 6-20 Pulverizer	6 00

Sent on trial at these prices. 4 per cent discount if all cash sent with order.

No Broadcast Seeder furnished with this Machine 9 1/2 inches apart.

CORRICANA, TEXAS, Dec. 5, 1898.—Hapgood Plow Co., Alton, Ill.: Gentlemen: The Ready Rock Roofing received in good shape, and I am well pleased with it, and can heartily recommend it to any of my farmer friends. Enclosed find draft for same.
Signed,
J. D. LYONS.

CULTIVATORS.

We flatter ourselves on having as fine a line of Cultivators as there is on the market, carrying all the different styles of Shovels, Eagle Claws, Spring Tooth, Spring Trip, Parallel Beam, Disc Cultivator, Rider, etc.

On all we use the best soft center hardened shovels (look out for Crut Cast shovels on other makes.) Steel Wheels all with removable boxes. (Examine machine offered by dealers and see if the wheels have boxes. If not, do not buy it at any price.) We use 32-in. wheels on our Walking Cultivator, others use only 28-in. and 30-in. Our Rider has steel axle, turned in a lathe fitting into sand cap and axle nut like a buggy. Not simply a hole in the axle, and wheels held on with a washer and pin. Oak and ash tongue; hickory single trees. No pine in our goods. We give you the best that money can buy. Under our broad guarantee you take no risk in trying them. 50,000 now in use. Send us your order.

Absolutely Guaranteed to Give you Satisfaction or money refunded.

No. 1. THE MYSTIC CART.

A strong, substantial, two-wheeled carriage with steel axles turned up in a lathe, boxing bored out and fastened on with a nut, the same as a first class buggy. Wheels are steel, 48 inches high. They have hardened movable boxes, and the whole rig will last a lifetime if properly taken care of. The "junior member" of the firm (and our probable successor) has got on his working clothes to show how the farmers' boys can utilize it to run around the farm; go to town, and by putting in old Dobbin on one side and the colt on the other, use it to break the colt without fear of a sudden turn breaking the tongue. The umbrella costs but little and adds much to the farmer's comfort on a hot day. We call it the Mystic Cart because it can be changed into 14 different and complete Machines, each independent and complete without the other. The entire combination can be put on and changed by the use of six bolts. This combination saves the cost of the machinery. We accomplish this mysterious change by using gas pipe drawbars or beams, to which we attach all the



various attachments (see price list and description,) comprising every known device for killing weeds and stirring the ground. Connection with the beams is made with a double clamp, one side clamping the gas pipe, the other clamping the round arm or shank of the discs or cultivator shovels, thus making them all adjustable in every way. They can be turned on the pipe so as to work the side of a cotton ridge or to dig or scrape the side of a listed ditch. The shovels or discs can also be turned in their clamp to set at any angle and to throw the earth in or out. They can also be raised up or set down to cultivate the top of a cotton ridge, or to go down into the listed ditch. In fact you can set them in every possible position to do any kind of work. The beams are connected by a strong and adjustable arch that holds them parallel and solid so that there is no springing sideways. The regular arch is used on the shovel cultivators where the farmer prefers the old way and wants to swing all his shovels, but we expect to convince all that the better way is to use our "Lightning Dodger," and thus move only the front shovels or discs in plowing corn or cotton (leaving the rear shovels or discs to clean the middle of the row), and we can dodge the plant no difference how crooked the row, as there are but two discs or shovels to move, it is easily and quickly done. The center or dodging discs can be raised or lowered independent of the others to work the top of the cotton ridge or down in the listed ditch, and cannot swing off into the wheels as others do. Our discs are all independent and run on axles of their own. They are fitted to a perfect malleable hub with a hard center thimble or pipe which turns on a fine steel axle, the axle and hub thimble being the only part that can wear out, and both can be replaced at small cost, but will last years if properly cared for. To raise any of these machines for turning or moving, take hold of both levers at once, putting your feet on the foot lifts, and with the help of the springs they are easily handled.

For further information read special description of special machines of the Mystic series.
Mystic Cart, no Beams, Wt., 160 lbs. Price, \$12.00 Mystic Cart, with Beams, Wt., 200 lbs. Price, \$15.00
Colored Umbrella, 1.65 Advertising Umbrella (see cut) 1.25

Advertising Umbrella is same as other. We sell to you for less than cost for the display of our advertisement. Price, with attachment for either Wagon or Implement, both attachments, 40c extra.

COLUMBUS, NEB., June 21, 1899.—Hapgood Plow Co., Alton, Ill.—Gentlemen: The Mystic Disc Cultivator with four shovel attachment and two narrow shovels for listing, received in good order and it is first-class. My little ten-year old girl has plowed every other row with it; she takes the lead and I follow. We have the forward discs attached to dodger to throw the dirt from the corn and the two shovels to throw it to the corn and am more than pleased with its work.
Signed,
J. J. BARNES.

LITTLE VALLEY, MINN., Sept. 3, 1898.—Hapgood Plow Co., Alton, Ill.—Gentlemen: Please let me know the price of your gang plows, for I want another one of your 14-inch Old Reliable Gangs. I have used one for 20 years and have never seen anything that I liked as well and don't think the new fangled three wheelers are in it with your Old Reliable for light draft, durability and good work.
Signed,
A. B. KETCHUM.

IMPROVED PERFECTION CULTIVATOR No. 2.



This cut shows the Improved Perfection Cultivator, with the Eagle Claw attachment on the left side and the regular 4-shovel gang on the right. Also our "Corn Saver Rake," which enables the operator to uncover corn without leaving his seat, and we consider a much better arrangement than the Hammock Cultivators, that have the driver's seat down on the ground, so that he is supposed to be able to reach the corn with his hands or feet (and which he can't do). - He is down in the dirt and dust, and when he raises his shovels to turn he has his knees under his chin unless he stands up and walks. In fact, the Hammock is a fraud of the first water. Compare it with the Perfection, where you sit up out of the dust, where you can see ahead and dodge the plant in time. If a hill happens to get covered the little "Corn Saver" is right at your hand and you can reach back and uncover it in good shape.

Read full description and claims under Cut No. 1 as to the merits of this cultivator.

Price of Regular 4-Shovel	\$22 00
Price of Eagle Claw, complete, 8 Shovels	23 00
Price of Both Sets as shown above, 8 little and 4 big Shovels.	25 00
Walking Attachment, with Handles, extra	50
"Corn Saver Rake" (actual cost), for any riding Cultivator	25

This Cultivator has all the attachments that go on the No. 1;

has Adjustable Arch, without extra charge.

4 per cent discount for cash with order.

OUR
IMPROVED
PERFECTION
CULTIVATOR.
No. 1. 4 in one.



The cut shows Three Shovels on the left side, and a Spring Trip on the right. Our Spring Trip is absolutely perfect.

Has the following advantages over all others:

A high arch, that is adjustable to any width from 5 1/2 to 8 feet without removing a bolt. A steel doubletree that gives the horses the same freedom of movement as a wagon. It has no neck draft, either walking or riding. The seat is adjustable to suit the operator. The draw bars are very long and carried on long chains, making it easy to move, keeping the shovels straight to the work.

It has a spring lift and can either be swung rigid on the chains at any depth or carried on a spring lift. It is a perfect walking cultivator, with spring lift. The inside shovels pass the corn well up in front where the operator can see to dodge the hills. The beams are connected with an arch when riding. Either side or gang can be raised or lowered independent of the other. It can be changed to a Stalk Cutter, a Disk Cultivator, a Middle Breaker, or a Riding Lister in a few moments and at a small cost. It has a foot lift that enables the operator to raise it out to turn or move without the use of his hands. They are furnished with four, six, or eight shovels. Mould board or plow shovels, With spring teeth and shovels, spring trip shovels, bull tongue. Any or all of the combinations go with the regular machine.

Regular, 4 shovel Riding Cultivator	\$22 00
Regular, 4 shovel with Eagle Claw, both set	25 00
Regular, 6 shovel	24 00
Regular, 8 shovels, (Eagle Claw)	25 00
Regular, Spring Trip, 4 shovels	24 00
Extra for handles and walking attachment (see cut No. 1)	25
Extra for Corn saver rake, with holder	25

Knife Stalk Cutter Attachment costs.....\$13 00

Disk Cultivator Attachment, either kind.....12 00

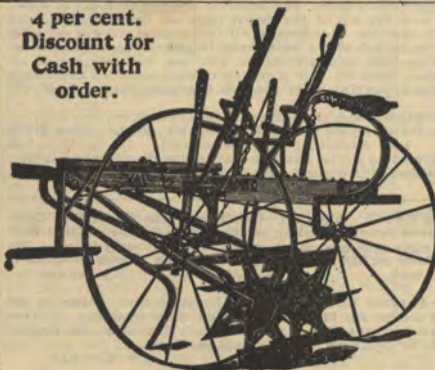
All of above are with the Adjustable Arch without extra charge.

Middle Breaker Attachment.....\$12 00

Complete Lister and Drill with Attachment.....12 00

4 per cent discount cash with order.

4 per cent.
Discount for
Cash with
order.



No. 11.

THE MYSTIC CART.

WITH COTTON AND CORN STALK CUTTER
ATTACHMENT, 7 KNIVES AND NO AXLE
PASSING THROUGH THE HEAD.

It has the same general management as the Cultivator. The cutting is done by the pressure of the spring and weight of the cutting head, and any power can be applied that is necessary to do the work. The stalk rakes are lifted automatically when the cutter is raised. There is no weight on the horse's neck, and the entire machine is covered so that neither boys nor licks can get into the knives.

The wheels running into low places has no effect on this Cutter, as there is plenty of room under the machine, and the springs allow the head to raise so that the knives are never crushed into the ground so deep that they cannot work and causing them to pull hard. This machine can be changed to a Disk or Shovel Cultivator in a few moments, and we furnish the attachments at a nominal sum.

Price complete, 7 Knives, shipping wt., 400.....\$25 00

Price complete, 5 Knives, shipping wt., 350.....24 00

Price of 7K. Attachment, where you have any other Mystic, shipping wt., 180.....12 00

4% Discount
for Cash
with Order.



NEW MYSTIC, No. 4A.

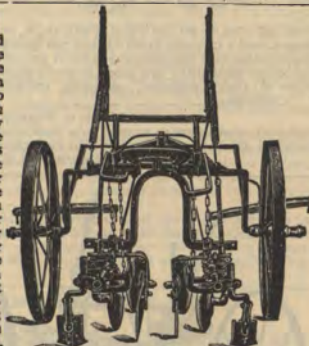
This cut represents our New Mystic Cart No. 1, with the regular 4-shovel gang on the right side and the 3-shovel gang on the left, with regular 4-foot arch. The Attachments shown in the regular Mystic series No. 5, 7, and all other Mystic attachments shown last year go on this Cultivator, and the descriptions apply to this machine. We also attach the Disc Cultivators shown in the New Mystic No. 2 and No. 3 to this Cultivator. This Cultivator has our improved steel hitch, has no weight on the horses' necks, long draw bars, shovels well up in front, adjustable seat, foot and spring lift. Is perfect in every way, warranted to give satisfaction.

Price of regular 4-Shovel Cultivator, 4-foot arch...	\$20 00
Price with 6 Shovels (3 on each side).....	22 00
Price with Eagle Claws, 8 Shovels.....	23 00
Price with both sets of Shovels—8 little and 4 large Shovels.....	25 00
Extra for Walking Attachment (Handles, etc.)....	70
Extra for Corn Saver Rake.....	25
Adjustable Arch from 3½ ft. to 5 ft., without extra charge, put on all our Riding Cultivators.	

Read about the Corn Saver and Hammock Cultivator in description of New Perfection Cultivator No. 2.

THE NEW MYSTIC, No. 3A.

This cut represents our New Mystic with Disks and Shovels combined. The front disks are set to throw the earth from the corn. The next two are set to throw the earth back to the plant, and by setting the shields high enough to let the earth roll around the plant there is no doubt in the world that a better job can be done in small corn than in any other way, or with any other Cultivator. Every practical farmer knows how hard it is to stir the ground close to small corn. This device solves the problem and makes it easy. We use the shovels in the center because they are easier to swing in the ground, and break up the middle better than another disk. We, however, furnish them with the shovel or disk at the same price. Also furnish shovels in place of the middle disks if preferred. This Disk Cultivator is furnished with our new patent device for winging or moving the disks in hard ground, by which the operator raises the disks on one side and pushes them at the same time in the desired direction. This is the greatest invention ever made for handling disks, and makes work easy that was impossible before. Read full description of Disk Cultivator No. 2. All attachments that go with the Mystic Cart and the Perfection Cultivators go with this. The Adjustable arch goes with all Disk Cultivators without extra charge.

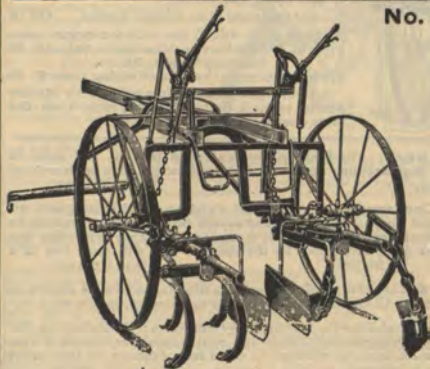


For general description of this machine carriage see Improved Perfection No. 1 and the Mystic Cart.
Price Complete with Adjustable Arch, as shown in cut, or with 4 Shovels and 2 Disks..... \$25.00
Corn Saver Rake with Malleable Holder, Extra..... 25c.

No. 7. THE MYSTIC CART.

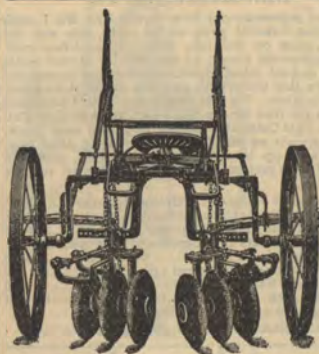
With Spring Tooth Attachment on the Left Side and Spring Trip Attachment on the Right Side.

The above cut represents on the left side the Mystic Cart with spring tooth; made with powerful and elastic springs; pointed with shovels as hard as glass; a valuable attachment to go with large shovels and to be used while the corn or cotton is small. They can be put on or taken off by loosening two bolts. The right side shows the simplest spring tooth ever invented, and the only one that an ordinary person can adjust. All you have to do is to take up the tension on the spring until the wood brake pin which we send out in the shank breaks, then put in your bolt and go ahead; it will then spring back only when there is a pressure the same as broke the pin. The parts of the device are all on top of the beams and out of the way of trash under the beam. It is a splendid machine and never fails to work. Both these cultivators have the same general management as the others, and any of the other attachments goes on these. They swing the old way, with the feet. Can be used as a walker if wanted. Handles cost \$1.00 extra.
Spring Tooth Cultivator as shown, left side
Shipping weight, 400 lbs..... \$21 00
Spring Trip Cultivator as shown, right side
Shipping weight, 400 lbs..... 24 00
Spring trip attachment only, when you have any other machine..... 6 50
Spring tooth attachment..... 5 25



Seat is not shown on these machines in order to show other parts more plainly. For cut of seat see cut No. 1.

STROUD, O. TER., May 18, 1897.—Gentlemen: Mr. Thrash has received his Riding Cultivator and it works fine. Enclosed you will find draft in settlement of the same. We will be able to send you some more orders from here as fast as the farmers learn what you are doing and can raise the money.



NEW PERFECTION DISK CULTIVATOR.

No. 2A.

This cut represents our new Disk Cultivator with adjustable arch and patent foot lever, which covers the principal improvement and advantage of this disk over all others. The gangs are the same as others make them, arranged to throw in or out. The trouble, as all farmers know who have used this class of Disk Cultivators, is the impossibility of moving them in the ground to dodge crooked rows. They also know that when one side of the disk runs deeper than the other, that the whole business at once rushes toward the shallow side, and we utilize this principle in our new device, and by use of our combined foot lever connected to our device, we raise the side to which we wish to move the disks by pressing down with the heel and at the same time pushing the gang in the desired direction. Thus we are enabled to dodge corn quicker than can be done in any other way, and the harder the ground the quicker the disks move. This improvement, with our adjustable arch, enabling us to run the wheels from $3\frac{1}{4}$ feet to 5 feet in width, foot lift that raises the disks high to move or turn, spring pressure to force the disks in the ground when hard, or the spring lift to carry them if they run too deep, with perfect adjustability to any width, or to throw to or

from the corn, to set the disks at any angle, with no neck draft, an evenner, that works the same as on a wagon, and a carriage to which you can attach a dozen other kinds of useful machines, certainly forms a combination that will get your order if you understand the advantages. The disks are oiled through the top of the standards; this alone is worth \$5.00 to any man.

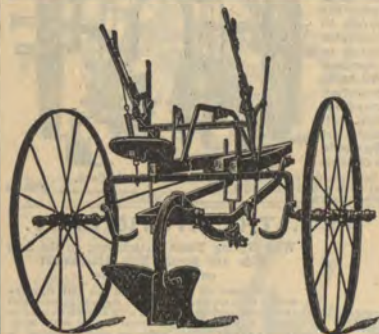
Price of Disk Cultivator, complete, including the Adjustable Arch, which goes with all Disk Cultivators.....\$26.00

All Mystic or Perfection Attachments go on this machine.

4-Shovel Attachment to convert into Perfection 4-Shovel Cultivator.....\$ 8 00

6-Shovel Attachment to convert into Perfection 6-Shovel Cultivator.....10 00

4 % discount from all these prices for Cash with the order.



No. 12. THE MYSTIC CART.

WITH MIDDLE BURSTER ATTACHMENT.

For use in the cotton growing States. Attaches to any of the Mystic family. Can be detached and used as a Walking Lister or Middle Burster. The team pulls from the end of the beam; there is no side or neck draft; the depth is perfectly controlled by the levers, and being carried on large wheels the draft is lighter than a walking plow of the same kind. Furnished in any size, but the usual size is 12 inch cut. Cannot be used with three horses, but works perfectly with two or four horses.

Price of Complete 12-in. Middle Burster.....\$24 00

Ship. wt. 350. Add \$1 per inch for larger sizes.

Price of Middle Burster Attachment only.....\$12 00

Shipping weight, 100 lbs.

Price of handles to change to Walking Lister \$1 00

All Cultivator Attachments to go with Middle Burster or Stalk Cutter cost \$3.00 more than the price quoted to go on Cultivators.

JOSEPHINE, MO., May 27th, 1897.—Gentlemen: The Disk Cultivator shipped to J. P. Orf came in good order, was set up and tried and it works to perfection. Enclosed find draft for \$25.00 in settlement of the same.
Signed, FRED ORF.

CERRILLAS, N. MEX., June 6th, 1897.—Gentlemen: The Wind Mill, Cultivator and other goods arrived all right and are perfect. Mr. Gould tried his post hole auger and says if he couldn't get another he wouldn't take \$25.00 for it. The cultivator attachment is just what he wants, and the other party that got the cultivator says he does not see how you can make such goods for the money. We will send you in a large number of orders from here.
Signed, JAS. MULLEN.

NOTE.—We are able to astonish you as we have this gentleman and his friends, and we are able to do it because our system of doing business eliminates all the enormous profits of middlemen, losses, etc.

WILBURTON, I. T., April 13th, 1898.—Hapgood Plow Co., Alton, Ill.—Gentlemen: I received my No. 14 Mystic Disk Cultivator, and must say it is the greatest combination and most sensible cultivator I ever saw. I have given it a thorough trial, also the Advance Agent Plow. I saved lots of money on this order and you will get all my orders in future.
Signed, J. E. FOLEY.

WALKING CULTIVATORS. Do not overlook this handsome line; we call them the boys' not because they are small in size or cheap or inferior in any way, but because they are so easy to handle, so perfect in construction, so complete in every detail that it requires no fixing, no adjusting and no monkeying with Springs, Cocks or Triggers. Any boy can run them.

This Cut shows regular gangs on one side and spring tooth on other. One Cut answers for both.

**EXAMINE THE
SPRING,
ROUND
MALLEABLE
BRAKE PIN.**



**BEST
SOFT CENTER
HARDENED
STEEL
SHOVELS,
GUARANTEED
TO SCOUR.**

DESCRIPTION OF OUR IMPROVED BOYS' CULTIVATOR STEEL HITCH.

Our family of Boys' Cultivators, consisting of over twenty combinations is the most complete, simple and attractive ever made. Including the Regular Cultivator, with large shovels, the Eagle Claw and Spring Tooth, for surface cultivation; the Spring Trip and Parallel Beam, and all with our new Steel Hitch and any of them with Adjustable Arches; enabling the operator to adjust the wheels at any width desired. We use a simple Double Acting Spring that can be adjusted to press the shovels into the ground, carry them with any desired lift, and in all cases throw the Gangs up to the Beam Hooks—when started from any adjustment; the change being made in an instant without the use of any tool or removing any bolt. All are arranged so that the beam can be adjusted up or down, and set to any width apart. All are provided with Round Brakepin Attachments, so the Shovels can be raised or lowered and set at any angle to the earth. All are provided with shields, (and fitted for Mouldboard Shovels and Bull Tongues extra.) All wheels have movable or changeable Boxing, so they can be replaced when worn out. Do not buy a steel wheel without them. The handles are adjustable to suit any boy or man. In fact they contain every point of merit that any others have and many new ones, and are simply perfect.

The material used in the construction of this Cultivator is the best that money can buy. We use nothing but the best of Soft Center Hardened Steel Shovels, guaranteed to scour where any other Shovel will scour. We use the round Malleable Brakepin, enabling you to set the Shovels in any position desired, while the fact that you can use three or four styles of Shovels on the same frame certainly makes it a handy tool. If you wish Cultivator with old style sleeve with slot and shovels fastened on with a bolt you can have them by so stating in your order.

We call this the "Boys' Cultivator" because it is so easy to handle and not because it is in any way inferior or small in size to any Cultivator made. It is the best Tongue Cultivator that can be built as far as we know, and while some of our competitors may boast of extra springs, cocks and triggers in order to charge higher prices, we know that for practical work this Cultivator is equal to anything on Earth. Price list below.

IMPROVED BOYS' CULTIVATOR, STEEL HITCH WITH SPRING TRIP.

Add \$1.00 to get price delivered at Kansas City, Omaha or Minneapolis.

GREENSBORO Mo., June 4, '97.
Hagood Plow Co., Alton, Ill.
—Gentlemen: Your Boys' Spring Trip Cultivator has been received and been tried, and has proven as good as any Cultivator sold in Warrensburg for \$18.00. Enclosed please find draft for \$18.00 in settlement for same.



PRICE—\$13.50

4 per cent. Discount for Cash with Order.

Bralow, Mo., June 11, '97.—
Hagood Plow Co., Alton, Ill.—Gentlemen: The Spring Trip Cultivator which I bought of you is a good Cultivator and gives perfect satisfaction.

Signed, JOHN S. SLATER.

This cut shows the Spring Trip on one side and Eagle Claw on other, but used here to illustrate the Spring Trip. You will find the Eagle Claw described on next page.

This cut shows the Spring Trip passing an obstruction. It is the only Spring Trip made that an ordinary human being can understand and adjust without any trouble, as the strength of the Trip is controlled by a spring tension and the change is made by simply tightening up the nut on the end of spring bar. We also retain the Brake Pin Attachment, (which others do not, with Spring Trips) which enables us to set the shovels at any desired angle or pitch, also to turn them to throw the earth in any direction.

The device tripping is on top of the beams, leaving the throat of beams clear, while others have part of their machinery under the beams, causing them to clog in trashy ground.

This Cultivator can be changed to the Spring Trip, Eagle Claw, or Mould Board Shovels, and cannot be broken with fair usage. Is perfect in every respect. We believe as perfect a spring trip as ever made, and hundreds were pleased with them last year.

PRICE LIST.

Boys' Cultivator, Single Tongue, shipping weight, 200 lbs. Price	\$12.50
Boys' Cultivator, with both large Shovels and Eagle Claws, when ordered together	16.00
Boys' Eagle Claw Cultivator, weight, 200 lbs. Price	14.00
Boys' Spring Trip Cultivator, weight, 200 lbs. Price	14.00
Boys' Spring Tooth Cultivator, weight, 200 lbs. Price	12.50
Boys' Parallel Beam Cultivator, weight, 200 lbs. Price	14.00

Adjustable Arch on any of the above Walking Cultivators, 60c extra. Eagle Claws per pair for either our Cultivators or other makes, \$5.50. Spring Tooth Attachment to go on same frame with any of the above Cultivators, \$5.50 extra. Bull Tongue Shovels with backs and set screws, 60c a pair when ordered with Cultivator. In ordering Eagle Claws for other Cultivators send paper pattern of clevis showing holes where beams are attached. Mould Board Shovels with backs and set screws, \$1.75 a pair when ordered with Cultivator. 4 per cent discount for all cash with order.

THE IMPROVED BOYS' EAGLE CLAW CULTIVATOR—STEEL HITCH.

STEEL WHEELS
and
MOVABLE BOXES

Do not buy a machine with steel wheels without them.



EAGLE CLAWS

make the

BEST TOOL

for

Surface Cultivation.

This cut right hand side shows the Eagle Claw Attachment. With regular Arch and Steel Hitch. Notice the Brake Pin Attachment that enables the operator to set the shovels at any desired angle to take the ground. This is an important improvement over others. The large shovels go on the same beams, and can be furnished at trifling cost, and we recommend all farmers when buying to take both sets of shovels. Then you are fixed for any kind of work. The Eagle Claw for surface cultivation is **fast coming to the front**, and the demand is increasing everywhere. **We furnish Eagle Claws for other makes of Cultivators** as well as our own. This cultivator is furnished with the Adjustable Arch, Double Hitch, Spring Trip or any of the other combinations. Our new Brake Pin Attachment enables us to set the shovels to throw in or out. In ordering Eagle Claw Attachments for other Cultivators send drawing of clevis showing holes where beams are attached. Price.....\$14.00

"IMPROVED" BOYS' SPRING TOOTH CULTIVATOR.

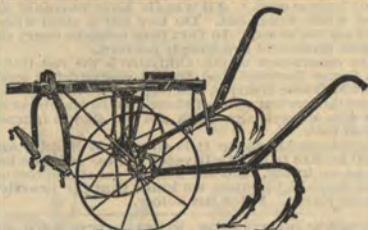
ADJUSTABLE

ARCH. SO THE

WHEELS CAN BE

ADJUSTED

TO ANY WIDTH.



OUR SPRING

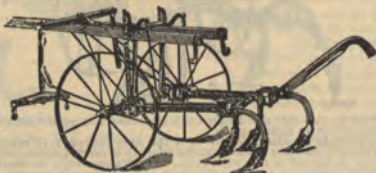
IS THE BEST

DEVICE MADE.

This cut shows the SPRING TOOTH ATTACHMENT and ADJUSTABLE ARCH, with Steel Hitch. Notice that our shovels are not in a row, as others make them, but Zig Zag, so they will not clog. They are also adjustable on the beam, so THE FRONT SHOVELS CAN BE SET AS FAR AS DESIRED from those in the rear, making it impossible to clog them. Furnished with the Steel Hitch, Large Shovels, Parallel Beams, Eagle Claws or Spring Trip. Price.....\$12.50

NOTICE!

This cut shows our Parallel Gangs, but the Frame and Springs will be the same as shown on page



Read why this is the best Parallel Beam Cultivator Ever Made.

OUR "IMPROVED" BOYS' CULTIVATOR AS A PARALLEL BEAM.

The above cut represents our new PARALLEL BEAM CULTIVATOR, with DOUBLE BEAMS, CONICAL COUPLINGS, PATENT SPRING. The beams being double, and WORKING ON CONES, form a truss that prevents them from turning over or twisting, sideways in the ground when the operator wishes to dodge crooked corn rows. The slack or wear on the conical hinge or coupling can be taken up by tightening the nut on the bolt that passes through the cones, and thus kept as GOOD AS NEW as long as the machine will last. The springs will be the same used on all our cultivators, and will do EVERYTHING you want a spring to do, and in all cases they HELP TO LIFT the beams up to the hooks. MANY SPRINGS ONLY LIFT WHEN THE SHOVELS ARE IN THE GROUND AND PLAY OUT WHEN YOU NEED THEM MOST, AND ARE OF NO PRACTICAL USE. Has Malleable brakepin and low hitch. Weight, 235 lbs. Please note that we use wheels with Movable Boxes. Do not buy a steel wheel machine without them. Complete with shields. Price.....\$14.50

THE DUDES have risen very much in the estimation of the people since the late war; when they went to the front and fought nobly. 29

Our Dude Cultivator has always been to the front, and is there to stay. A combined tongue or tongueless Cultivator; it is neat, handsome, and does beautiful work; handles easily, made of the best material. Give it a trial.

Handsome, ✱
Simple.
✱ Perfect.



Either Tongue
... or ...
Tongueless
... and the ...
Best Spring on
Earth.

OUR DUDE, WOOD OR STEEL BEAM.

The above cut represents our new Dude Cultivator, which is a great improvement over all others of its class. Being a Perfect Tongue Cultivator, it can be changed to the best Tongueless Cultivator on the market in a very few minutes (see below.) The wheels being hinged the frame or arch is always in a line with the draft of the team and turn easily and naturally, so difference what the position of the team may be. Other Cultivators having the vibrating movement and the wheels attached rigid to the frame or arch are always parallel to the frame, and when the team in turning stands with one horse ahead of the other, the wheels must scrape sideways, thus making it hard on the team and liable to break the wheels or axles. The hinging of the wheels to the axle is a feature that belongs to the Dude exclusively, and puts it ahead of all others in its class. Examine the Dude carefully and you will at once see that it has advantages over all others. Has Malleable Brakepin attachment and low hitch.

Please note that we use wheels with Movable Boxes. Do not buy a steel wheel machine without them.
Dude Steel Beam, wt. 180 lbs., pr. \$13.00 Dude Eagle Claw, wt. 180 lbs., pr. \$14.50
Dude Spring Tooth, wt. 180 lbs., pr. 14.00 Dude Wood Beam, wt. 170 lbs., pr. 13.00
Dude Spring Trip, wt. 200 lbs., pr. 15.50

Add \$1 to get net price on all walking cultivators F. O. B., Kansas City, Omaha or Minneapolis.

OUR TONGUELESS CULTIVATOR.

WOOD OR STEEL
BEAM
STEEL WHEELS
AND
MOVABLE BOXES.



STEEL ARCH
AND
MALLEABLE
CASTINGS
NO CAST IRON USED.

Have a perfect lateral or vertical adjustment.
Have hang-up hooks which can be turned up out of the way when at work.
Have Runners, which can be put in a carrying position quickly without the use of a wrench.
Have the same device for taking up slack or wear as our Tongue Cultivators.
Have an arch which does not fall down when turning at the end of the row.
Have shovels on a gang, shaped so as to throw the earth the same way and turn it over like a plow, and yet when both are set to turn the same way they perfectly follow the line of draft and do not swing off to one side; and when pushed out to dodge the corn will instantly swing back into the line of draft.
Have a tongue attachment by which they can be changed into perfect Tongue Cultivators, see "Dude" and when used as Tongue Cultivators have no vibrating or swinging of the tongue to fret and worry the horses.
Has Malleable Brakepin Attachment. Complete with Shields.

TONGUELESS CULTIVATORS, either steel or wood beam	Shipping Weight.	
Tongue Attachment for Tongueless Cultivator	175 pounds	\$ 11 75
Tongue Attachment with Evener and Fixtures to change Tongueless into a Dude Cultivator	23 pounds	1 00
	40 pounds	1 25

4 per cent discount from these prices for cash with the order.
For price delivered at Kansas City, Omaha or Minneapolis freight prepaid, add \$1.00.

RANSOM, KAS., April 28, 1901.

Favor us with a
..TRIAL ORDER..

We Will Guarantee to Secure
the Others.

them at home. The first thing I purchased was a Hapgood Wagon; it cost me about the same as I would have to pay here but I think it is a much better wagon than the common dealer keeps for sale. I shall always endeavor to speak a good word for you and your goods.

Hapgood Plow Co., Alton, Ill.—Dear Sirs: The Lister was received in good order and I am well pleased with it. And it only cost me \$18.62 while my dealer wanted \$24 in cash so I can say you saved me the sum of \$5.38. I cannot see why farmers do not deal with you and save these big profits. I have dealt with you for three and one half years and find you strictly reliable and honest in every sense of the word and will do what you say you will and in some cases even more. I have bought all of my farming implements from you and they are a lot cheaper than I could get purchased as I have a Hapgood Wagon; it cost me about the same as I would have to pay here but I think it is a much better wagon than the common dealer keeps for sale. I shall always endeavor to speak a good word for you and your goods.

Yours truly,
D. C. WALKER.

Our Advance Agent for 1902

Swivel Clevis.

**THE BEST PLOW
ON EARTH AT
ANY PRICE.**

Made with wide Soft Center Steel Shares, Steel Landsides and heavy Points, warranted to scour where others fail, runs easy and level. We use shares one-half inch wider than other manufacturers.

WE GUARANTEE THAT NO BETTER PLOW CAN BE MADE AT ANY PRICE.

\$10 GOLD PIECES FOR \$6.00 WOULD BE NO BETTER BARGAIN THAN WE OFFER YOU IN THIS PLOW when compared with dealers' prices. This plow is made of the very best of hardened and tempered soft center steel (See Chapter on Steel). Has our Celebrated Double Board of Soft Center Steel, rolled in at the mill, not simply a single shin board with a patch welded on it, but a double thickness of wearing steel rolled in at the mill. Has our Soft Center Steel Landside and our Soft Center Steel Share of extra width. The whole plow is very hard, finely polished and tempered. We absolutely guarantee it to scour in any soil where any plow on earth will scour, and know it will scour where many other plows will not. It is strong and well made in every particular. Good heavy Beams and our guarantee is to please you. If after one day's trial it is not satisfactory, ship it back to Alton at our expense, marking the bill of lading return for repairs, and we will refund your money.

Our terms on Walking Plows are absolutely Cash with the Order. No Discount.

We are selling them dirt cheap as an advertising feature, and also to induce new customers to try the Mail Order Business; when we know you will never go back to the old system of Agents and Middle men, Long Time and High Prices.

PRICE LIST ON STEEL BEAM PLOWS.

D-12	12-inch cut, Steel Landside, Double Board, Wide Share, Best Plow on Earth.	85 lbs	\$9.50
D-14	14 " " " " " " " " " " " " " " " "	100 "	10.50
D-16	16 " " " " " " " " " " " " " " " "	115 "	11.50
D-18	18 " " " " " " " " " " " " " " " "	125 "	12.50

C-Plow same as above, but Single Skin and Single Board, 50c less.

Every intelligent farmer will certainly buy the Double Board at the slight difference in price.

All Plows Sent Right-Hand Unless Left-Hand is Distinctly Mentioned.

We recommend our farmer friends to order Extra Shares and Rolling Coulters with their Plows, as we believe it is an advantage to have these Shares fitted, and as an inducement we make the following special prices:

Extra Soft Center Shares, when ordered with Plows only, 12-in., \$1.75; 14-in., \$2.00; 16-in., \$2.50; 18-in., \$2.75.
" Crucible Cast Shares, " " " " " " " " " " " " " " " " 12-in., \$1.50; 14-in., \$1.75; 16-in., \$2.25; 18-in., \$2.50.

We do not handle the cheap open hearth Steel Shares usually sold by hardware stores and blacksmiths. Extra Cast Shares, right-hand only, when ordered with plows, 12-in., 50c; 14-in., 60c; 16-in., 75c.

Rolling Coulters, when ordered with Plows extra, 13-in., \$1.50; 14-in., \$1.75.

Read what the farmers say about our Walking Plows, and send us your order and save the dealer's profit of \$3.00 or \$4.00, besides getting a better Plow than is sold in your town.

Standing Coulters when ordered with Plows	\$1.50
Fin Cutters, " " " "	50
Gauge Wheels, " " " "	75
Steel Jointers, " " " "	1.50

Turf and Stubble Mould-Board on any of the above Plows in place of Stubble Board, 50c extra.

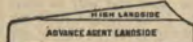
For heavy work we furnish 12-inch Plows with 14-inch Beams at 50c extra. With 16-inch Beams at \$1.00 extra. We furnish 14-inch Plows with 16-inch Beams at 50c extra.

Freight Rates are probably not nearly as much as you think. We will ship nearly all our Walking Plows this season knocked down, taking second class freight. \$1.10 will deliver to almost any town in Texas or Oklahoma. 60c to \$1.00 in Kansas, Nebraska, Minnesota or Dakota. 40c to 75c in Iowa or Missouri. 30c to 50c in Illinois or Indiana.

Write us and we will make you a price delivered right in your own town; safe delivery guaranteed.

This drawing shows in Figure 1 the Hardened Steel Landside used in our Advance Agent Plow.

Fig. 2 shows what is called a High Landside, and which we can furnish on any of our Plows at 25c extra. Dealers usually charge \$1.00. We contend, however, that if the Plow is properly made in the first place, and the shape of the Board is correct on the landside, that our medium Landside is all that is necessary, and that the high Landside is simply a scheme for either cutting



down the Mould-Board or to enable agents to get a big price for it. Take our advice and save the 25c.



Hapgood Plow Co., Alton Ill.:—

Gentlemen: I received the Plow all O. K. Sept. 25th, and am more than pleased with it, have tried it myself in Brush and Stubble and find it entirely satisfactory. My brother, living near me bought a similar plow, and these are how the prices compare.

His plow, 12-inch, one steel share, one cutter, one cast share, one wheel complete, cost him laid down, \$18.50. My Hapgood Plow, 12-inch, two steel shares, one cutter and monkey wrench, cost me laid down here, \$13.31; the difference between my two shares and his cast share; would a great deal more than offset the wheel which he got, so I saved \$5.19, nearly half enough to buy another plow. Signed, JAS. BOWCURT.

BRUSH PLOW WITH CUTTER AND IRON STRAP UNDER BEAM.

This Plow is intended for new and brushy land where there are stumps and roots, but it is also a splendid old ground plow, having our regular standard mould-board shape. It is also a very strong plow and often used for road purposes and gives perfect satisfaction. It has an iron strap under the Beam bolting to the standard. It is furnished either with Knee or (Quincy Cutter as shown in cut.) Quincy cutter being considered best and always sent unless otherwise ordered. A great many of these plows were used last season.

10-inch, weight 80 pounds, price, \$ 9 50.
11-inch, weight 90 pounds, price, 10 00.

Will have Side Clevis like cut on Wood Beam Clipper, Page 31, instead of as per cut.

See page 30 for extra shares when ordered with Plows.

This Tells the Tale.

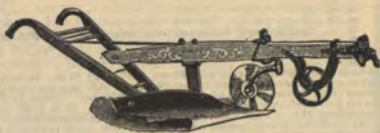


ROD BREAKER-STEEL BEAM AND WITH STEEL LANDSIDE.

The best on the market. Examine it.

12-inch, with Steel Landside, Fin Cutter and Extra Share, Weight, 75 pounds.....	\$7 00
14-inch, with Steel Landside, Fin Cutter and Extra Share, Weight, 90 pounds.....	7 50
16-inch, with Steel Landside, Fin Cutter and Extra Share, Weight, 85 pounds.....	8 00

**We sold the U. S. Government a car load of these last year.
Nothing Better.**



PRAIRIE BREAKER, SLIP OR BAR SHARE.

10-inch, with Rolling Cutter, Gauge Wheel and Extra Share, Weight, 125 pounds.....	\$11 50
12-inch, with Rolling Cutter, Gauge Wheel and Extra Share, Weight, 160 pounds.....	12 50
14-inch, with Rolling Cutter, Gauge Wheel and Extra Share, Weight, 150 pounds.....	13 50
16-inch, with Rolling Cutter, Gauge Wheel and Extra Share, Weight, 155 pounds.....	15 00

OUR NEW PERFECTION SPRING TOOTH HARROW.

It is not controlled by a trust, and we are offering it to our farmer friends for less money than Harrows controlled by the trust are sold at wholesale. The frame constructed entirely of steel makes it almost indestructible. It runs above the ground and is supported by shoes so it is not liable to gather trash or clog in weedy ground, but should it do so in very foul ground the levers can be thrown ahead and the teeth all raised, clearing the harrow in an instant. The runners prevent the harrow from burrowing in mellow ground. They protect the frame and keep it from wear. The pivots of the tooth bars are bolted to the bars. The frame is very strong and flexible and by its construction gives great satisfaction. The Harrow is equal to any Harrow on the market and is guaranteed to please you and to be just as represented.

16-Tooth Spring Tooth Lever Harrow, shipping weight about 200 pounds.....	\$ 12 00
18-Tooth Spring Tooth Lever Harrow, shipping weight about 225 pounds.....	13 00



Send us your order and avoid the Trust and get the best Spring Tooth Harrow you ever run.



Our D-14 Advance Agent Plow as Advertised.

WALKING PLOWS FOR 1901.

A SECRET known to all manufacturers is what we are telling when we state that it costs no more to build a Steel Beam Plow than it does a Wood Beam, yet they have been sold at much higher prices because generally preferred. ANOTHER SECRET is the fact that High Landside Plows, Double Shin Plows, etc., cost but a few cents more than the Low Iron Landside Plows, but being preferred because they are

really much better, they have been sold at a price too high in proportion to the cost.
WE PROPOSE FOR 1901 TO GIVE YOU THE BENEFIT OF THIS INFORMATION and to furnish you Steel Beam Plows at the same price as we do Wood Beam and to give you the best Steel Beam Plow that can be made for less money than others sell the Low Landside. We will therefore make no Low Iron Landside Plows or Wood Beams except on orders, doing away with the large variety usually carried, will enable us to make the highest grade Plows in large quantities, thereby reducing the cost so that we can give you

THE BEST PLOW ON EARTH THAT MONEY CAN BUILD—FOR LESS MONEY THAN THE PRICE OF CHEAP GRADE PLOWS. SEE PRICE LIST NEXT PAGE.

OUR DOUBLE BOARD ADVANCE AGENT
FOR 1901.

THE BEST PLOW ON EARTH AT
ANY PRICE.

OUR DOUBLE BOARD is used in our Celebrated Advance Agent Plows.

See colored cut and description, showing just how it looks. The best Plow on earth at any price.

A CHAPTER ON STEEL.

We receive a great many letters from farmers asking if we use good steel, and we are led to believe that the question is raised by the agents of the old system, who unable to meet our prices and not willing to admit that the difference between our prices and theirs simply represents the profits and expense of the old system of doing business, try to deceive the farmer in this way, so we will explain some things that will put you in these matters.

There are three kinds of plow steel used.

1st. Open hearth or common plow steel, sometimes called Bessemer. This is used a great deal by blacksmiths for making extra shares, and it is sold by hardware dealers for the same purpose, and is only used by us in Prairie Breakers and Rod Breakers where the soft steel is required; one that can be hammered cold, but cannot be tempered hard.

2d. Crucible analysis steel, which is an imitation of crucible cast steel and somewhat better than the common plow steel, is used by many manufacturers in place of the regular crucible cast. We do not use any of it.

3d. Crucible Cast Steel. This is used in covering shovels where a highly tempered steel is not required, also in Brush plows where a highly tempered plow would be liable to break. Special high carbon C. C. steel is used by many manufacturers for extra shares, and where the ground is of such a nature that it will scour, is strongly recommended, especially where there are no facilities for sharpening or tempering soft center shares. A blacksmith can easily sharpen these shares. The more they are hammered the better and harder they are and will wear well, but it cannot be tempered. If attempted it will be brittle and break. Used mostly in the South. We do not use this in any of our Plows unless mentioned.

4th. Soft center steel, from which all our Plows are made. We show a cut of this steel which consists of two layers of hard steel with a layer of soft in the center, which enables a properly equipped factory to temper and harden it until it is almost as hard as glass. This is the steel we use in our goods and costs several times as much as the cheap steel.

Some factories have the gall to try to make you believe that the good Lord grows their material for them, and that they have a monopoly of all that is worth having in that line, so some agent will sing you a loud if not harmonious song of why their soft center steel is better than that of other factories. Now just a word, so you can puncture the gentleman's tire, and you will find it all wind: There are ten steel companies making soft center steel. Two or three of them make the bulk of all that is made, and the entire product is sold to a syndicate which sets the price, and all the manufacturers walk up to the Captain's office and settle at the same price, specifying which factory they want to make the steel. We naturally take the best there is, as there is no difference.

Our steel company is the largest of the ten, and we suppose supplies three-fourths of the steel made. In conclusion permit us to say that our material is the best that money can buy. It costs as much to make our goods as any other factory. We do not pretend to give them to you or to sell them for cost; we simply agree to sell you for cash as cheap as other factories sell to the dealers, and the difference therefore is not in the goods, but simply represents the profits and expenses of the middleman and the old system of doing business, all of which you have to pay.

Moral: Buy your own goods direct from the factory and keep this profit in your own pocket.

Our Advance Agent as a "Turf and Stubble" Plow, with Jointer.



This cut shows our Steel Beam 14-inch Plow with Turf and Stubble Board. We can put this board on any of our plows, either 12-inch, 14-inch or 16-inch at 50c over the price of the regular stubble board. It has a long sloping Mould-Board and turns the dirt easily. Does not pitch it, but covers trash nicely.

ly, while for timothy sod, or other work where the soil is held together and does not break up like old ground, it is a beauty. We have adopted this board after careful investigation. We put out several hundred of them during last season and have not had a single complaint, while every one praised its work, and for general purpose work we highly recommend it. Owing to its being a larger board and requiring more steel we will ask only 50c. extra, just enough to cover the exact cost to us. Try one.

NOTICE.—We often have calls for 12-inch Plows with very heavy beams for hard work, and we will furnish: 14-inch Beams in 12-inch Plows for 50c extra. 16-inch Beams in 12-inch Plows for \$1.00 extra. 16-inch Beams in 14-inch Plows for 50c extra. We are the only manufacturers of Double Board Plows.

TRIOY, MILLS, IA., April 25, 1899—Gentlemen: The Advance Agent Plow and coulters came to hand, and is an excellent tool. I am more than pleased with it. They plow stubble land, timothy and clover meadow, and stiff very tough sough sod that has never been broken up. It works exceedingly well under all conditions and did as good work in the tough sod as a prairie breaker could have done. If your other goods are equal to this plow you will build up a big trade, for every purchaser like Oliver will call for "more."

Signed,

INGO. M. PHILLIPS.

DANDY STEEL BEAM PLOW.

31

SHOWING FIN CUTTER AND GAUGE WHEEL AND SELF-ADJUSTABLE SLIP HEEL.

These Plows are identically the same as our Dandy Pony Series with Wood Beams, except that they have Steel Beam Points and Landsides are interchangeable with one another, also with those of other makes. The beams are painted green, the handles red, and the hand-holes black. The plows are nicely striped. We have embodied in the construction of these plows several valuable improvements, which make them the best of their class. They are put together with two solid steel saddles instead of with small steel straps, as is generally done by other manufacturers. The price is not much more than the price of the Wood Beam Plows, and they are preferred by many to the Wood Beam.



They are put together with two solid steel saddles instead of with small steel straps, as is generally done by other manufacturers. The price is not much more than the price of the Wood Beam Plows, and they are preferred by many to the Wood Beam.

		Price of Rx. Share.			
Pony Plow, Steel Beam with one extra share, 7 inch cut.	Weight, 60 lbs.	Steel Beam.	Ex. Ft.	Ex. L. S.	Ex. L. S.
A. O. Plow, " " " 8 " " "	65 "	\$3 75	22 cents.	15 cents.	17 "
B. O. Plow, " " " 9 " " "	70 "	4 00	32 "	18 "	21 "
C. O. Plow, " " " 10 " " "	87 "	5 50	50 "	25 "	25 "
D. O. Plow, " " " 11 " " "	92 "	6 50	60 "	25 "	25 "

Fin Cutters Extra, Gauge Wheels Extra. Above Plows Furnished with One Extra Steel Point.

WOOD BEAM DANDY PONY STEEL PLOWS.

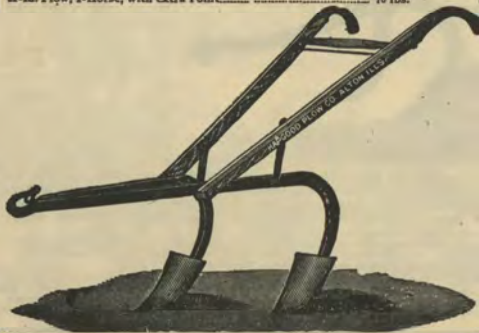
Made also in Steel Beam.

With steel standard cap, sloping land-side and adjustable slip heel as shown in the small cut.

This is an all steel plow and just the thing for cotton and corn lands and for gardening. Will turn about two inches more of a furrow than the size of the share given.



	Wt.	Wood Beam.	Extra Ft.	Extra L. S.
7-in. Plow, 1-Horse, with extra Point	37 lbs.	\$3 10	22 cents	15 cents
8-in. Plow, 1-Horse, with extra Point	43 lbs.	3 50	27 cents	17 cents
9-in. Plow, 1-Horse, with extra Point	52 lbs.	4 00	41 cents	18 cents
10-in. Plow, 1-Horse, with extra Point	60 lbs.	5 00	59 cents	21 cents
11-in. Plow, 1-Horse, with extra Point	70 lbs.	5 75	60 cents	25 cents



STEEL BEAM DOUBLE SHOVELS
STEEL BEAM SINGLE SHOVELS
FIVE TOOTH CULTIVATORS
Wood Frame.

PRICE LIST.

Steel Beam, double shovels, weight 40 lbs.	\$ 4 75
Steel Beam, double shovels, with brake pin attachment, weight 45 lbs.	2 50
No. 1. Steel Beam, single shovels, blade 10 in. wide, 13 in. long, wt. 30 lbs.	1 75
No. 2. Steel Beam, single shovels, blade 12 in. wide, 12 in. long, wt. 37 lbs.	1 85
No. 1. Wood Beam, single shovels, blade 12 in. wide, 14 in. long, wt. 27 lbs.	1 75
No. 2. Wood Beam, single shovels, blade 14 in. wide, 16 in. long, wt. 30 lbs.	1 85
Add for wings on steel or wood beam, single shovels, per set	30

32



We can furnish you with Sulkeys, Gangs, Single or Double Wheel Plows, with Backland Boards.

We guarantee that there is no Board better adapted to Texas Blackland than this.

Made also in Wood Beam. This is our Cotton King Plow with new shape boards, adopted after a thorough investigation of the requirements of a Plow for the Blacklands of Texas and the South.

BLACK LAND PLOWS.

WT.		Steel Beam.	WT.	WT.
75	No. 7. Cotton King, with ex. Point,	7-in. cut—\$6.50	84	\$5.50
80	No. 8. Cotton King, with ex. Point,	8-in. cut—\$7.25	62	\$5.00
94	No. 9. Cotton King, with ex. Point,	9-in. cut—8.00	79	6.75
97	No. 10. Cotton King, with ex. Point,	10-in. cut—8.75	82	7.50
100	No. 12. Cotton King, with ex. Point,	12-in. cut—11.00	100	9.75

SANDY LAND SERIES. Steel

SANDY LAND SERIES.		Wood Beam, Wt.
8-in., Light 1-Horse, with 1 extra Share.....	\$5.25	77 \$6.50
9-in., Light 2-Horse, with 1 extra Share.....	6.00	79 7.00
10-in., 2-Horse, with 1 extra Share	7.00	89 8.00
12-in., 2-Horse, with 1 extra Share	9.50	99 10.00

PONY PLOW FOR BLACK OR SANDY LAND.

FOOT FLOW FOR BLACK OR SANDY LAND.			
No. _____	7-inch Cut, with one extra Share		\$1.00
	7-lb. extra Shares, 7-inch	\$0.60	7-lb. extra Share, 8-inch
	8-lb. extra Shares, 8-inch	.90	9-lb. extra Share, 10-inch

LIST OF A FEW REPAIRS ON OUR OWN GOODS.

NORTHERN SHARES.

NORTHERN SHARES.					Net Price.
Steel 7-inch Sill	Share for	Corn	Flows		\$1 00
10	12	14	16	18	1 10
10	12	14	16	18	1 20
10	12	14	16	18	1 30
10	12	14	16	18	1 40
10	12	14	16	18	1 50
10	12	14	16	18	2 00
10	12	14	16	18	2 10
10	12	14	16	18	2 20
10	12	14	16	18	2 30
10	12	14	16	18	2 40
10	12	14	16	18	2 50
10	12	14	16	18	3 00
10	12	14	16	18	3 10
10	12	14	16	18	3 20
10	12	14	16	18	3 30
10	12	14	16	18	3 40
10	12	14	16	18	3 50
10	12	14	16	18	4 00
10	12	14	16	18	4 10
10	12	14	16	18	4 20
10	12	14	16	18	4 30
10	12	14	16	18	4 40
10	12	14	16	18	4 50
10	12	14	16	18	5 00
10	12	14	16	18	5 10
10	12	14	16	18	5 20
10	12	14	16	18	5 30
10	12	14	16	18	5 40
10	12	14	16	18	5 50
10	12	14	16	18	6 00
10	12	14	16	18	6 10
10	12	14	16	18	6 20
10	12	14	16	18	6 30
10	12	14	16	18	6 40
10	12	14	16	18	6 50
10	12	14	16	18	7 00
10	12	14	16	18	7 10
10	12	14	16	18	7 20
10	12	14	16	18	7 30
10	12	14	16	18	7 40
10	12	14	16	18	7 50
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10	12	14	16	18	8 30
10	12	14	16	18	8 40
10	12	14	16	18	8 50
10	12	14	16	18	9 00
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10	12	14	16	18	9 50
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10	12	14	16	18	10 10
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10	12	14	16	18	10 30
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10	12	14	16	18	10 50
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10	12	14	16	18	12 40
10	12	14	16	18	12 50
10	12	14	16	18	13 00
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10	12	14	16	18	24 50
10	12	14	16	18	25 00
10	12	14	16	18	25 10
10	12	14	16	18	25 20
10	12	14	16	18	25 30
10	12	14	16	18	25 40
10	12	14	16	18	25 50
10	12	14	16	18	26 00
10	12	14	16	18	26 10
10	12	14	16	18	26 20
10	12	14	16	18	26 30
10	12	14	16	18	26 40
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10	12	14	16	18	27 20
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10	12	14	16	18	42 00
10	12	14	16	18	42 10
10	12	14	16	18	42 20
10	12	14	16	18	42 30
10	12	14	16	18	42 40
10	12	14	16	18	42 50
10	12	14	16	18	43 00
10	12				

For Bar Shares add 75 cents extra.

Cast 12-inch Slip Shares for old ground, Chilled.							
79	14	20	26	32	38	44	50
78	13	19	25	31	37	43	49

LANDSIDES AND MISCELLANEOUS.

LATHES AND MISCELLANEOUS.					
8	-inch Walking and Sulky Floor Laidle		1	18	
10	" " "		1	40	
12	" " "		1	50	
14	" " Castor Cutter		2	00	
16	" " "		2	50	
STRAIGHT CUTTER					1
Gauge Wheel					1
Handles, per pair					1
Two-Horse Beam					2
Three-Horse Patent Elevator					2

LISTER REPAIRS.

No. 504.	First Style Mouldboard (right or left)	\$2 50
No. 505.	Second Style Mouldboard (right or left)	2 50
No. 506.	Present Style Mouldboard (right or left)	2 50

In ordering Cultivator Shovels, Bull Tongues and Mould-Board Shovels, it will always be necessary to state whether the Shovel is fastened to an oval shank with a bolt, or to a round shank with a set screw, or we will be unable to tell which to send.

Forty per cent discount from the above list prices, and on all Cast and Malleable Repairs in the Repair Catalogue. Twenty-five per cent discount on all steel parts except when net prices are given above. Send for complete Repair Catalogue if you do not find what you want here.

HOW TO ORDER REPAIRS.

The money must be remitted in advance for repairs, less 40 per cent from list on cast and malleable, and 25 per cent on steel repairs. Send for repair list. Left hand column is all net prices.

When ordering consult your Price List, and use same description we do, and give the price.

Our 12, 14 and 16-inch Shares will fit any of our Plows of the same size.

Unless sure of the number and description or paper pattern. This is always advisable in ordering Shares, Land-
sides or Lister Boards. State whether to be sent by Express or Freight. When not mentioned we use our judgment,
governed by circumstances. You can ascertain the freight to your place by inquiry of your freight agent.

When ordering Lister Attachments to change 2-wheel O. R. Sulky, state whether Sulky has wood or steel wheels.

METAL WHEELS FOR AGRICULTURAL IMPLEMENTS

We have so many calls for metal wheels for other implements to take the place of wood wheels and other steel wheels without boxes, also to be used in making barrel carts, etc., that we have decided to list the same as follows:

20-inch Wheels with boxes, as used on our Sulks, takes 1 1/2-in. axle, length of hub, 6 1/2 in.	Price, \$1 25
20-inch Wheels with boxes for Walking Cultivators, takes 1 1/2-in. axle, length of hub, 6 1/2 in.	" 2 00
24-inch Wheels for Sulks and Gangs takes 1 1/2-in. axle, length of hub, 6 1/2 in.	" 2 50
40-inch Wheels for Sulks and Carts, takes 1 1/2-in. axle, length of hub, 6 1/2 in.	" 3 00
40-inch Wheels for Riding Cultivators, takes 1 1/2-in. axle, length of hub, 6 1/2 in.	" 2 50
44-inch Wheels for Hay Rakes, takes 1 1/2-in. axle, length of hub, 6 1/2 in.	" 3 00

Hubs can be made shorter by grinding them off to suit requirements.



No. 3. 10-inch Agri. Wrench, weight, 80 oz., postage to mail, 50c. Price

If ordered by mail, send enough to cover postage. Order one when you order a plow and save any expense of mail or express.

FILE YOUR SHARES and you will save money and blacksmith bills. By use of a file you can keep your share sharp. Always file on top. NEVER the bottom. 14-inch Plow File, 20c.

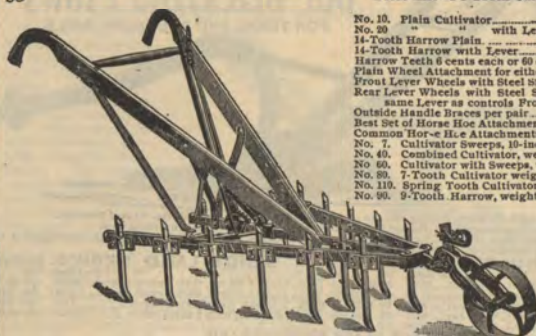
WRENCHES are always handy to have around, and to meet the demand from our farmer friends we show several styles and have put the prices very low.

No. 1. Mall. "S" Wrench, weight, 12 oz., postage to mail, 12c. Price.....10c

No. 2. Monkey Wrench, weight, 23 oz., postage to mail, 23c. Price.....15c

Price-List of 5-Tooth Cultivators and Attachments:

	Shipping Weight.	Price
No. 10. Plain Cultivator.....	70 lbs.	\$2 75
No. 20.....	75 "	3 25
14-Tooth Harrow Plain.....		2 50
14-Tooth Harrow with Lever.....		3 50
Harrow Teeth 6 cents each or 60 cents a dozen.		
Plain Wheel Attachment for either Cultivator or Harrow.....		40
Front Lever Wheels with Steel Standards.....		70
Rear Lever Wheels with Steel Standards and controlled by same Lever as controls Front Wheel.....		45
Outside Handle Braces per pair.....		20
Best Set of Horse Hoe Attachments (3 Pieces).....		90
Common Horse Hoe Attachments (3 Pieces).....		55
No. 7. Cultivator Sweeps, 10-inch 20c; 12-inch 25c; 14-inch.....		30
No. 60. Combined Cultivator, weight 94 lbs.....		5 30
No. 60. Cultivator with Sweeps, weight 55 lbs.....		4 75
No. 80. 7-Tooth Cultivator weight 90 lbs.....		5 00
No. 110. Spring Tooth Cultivator weight, 80 lbs.....		4 00
No. 90. 9-Tooth Harrow, weight, 80 lbs.....		2 65



ALL STEEL 14-TOOTH HARROW AND CULTIVATOR COMBINED WITH LEVER AND WHEEL.

14-Tooth Harrow Plain.....\$2 90

14-Tooth Harrow with Lever.....\$3 55.

Price of Cultivator Teeth.

No. 1. Oval.....	12 cts. each.	Per set (5), 50 cts.
No. 2. 2 inches wide.....	11 cts. each.	Per set (5), 50 cts.
No. 3. 1 1/4 inches.....	10 cts. each.	Per set (5), 40 cts.
No. 7. Sweep, 10 inches.....	20 cts. each.	
No. 7. Sweep, 12 inches.....	25 cts. each.	
No. 7. Sweep, 14 inches.....	30 cts. each.	

**"Our Baby"**
9-Tooth Steel
Harrow, with
Outside Handle
Braces.

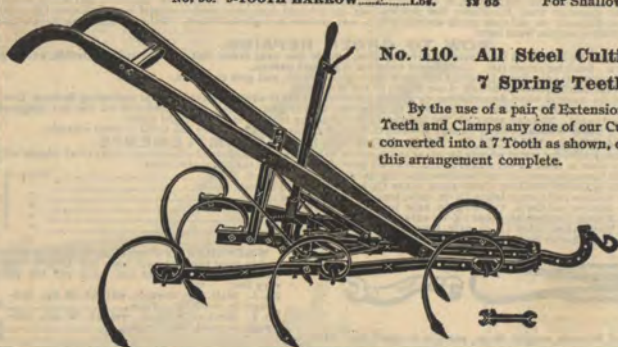
This is an excellent tool for the cultivation of corn, cotton, tobacco or garden truck. It is extremely light of draft and is handled with ease by the operator.

**No. 10,**
All Steel,
5-Tooth
Plain
Cultivators.

No. 10. Plain Cultivator, weight 70 lbs.....\$2 75



No. 90. 9-TOOTH HARROW.....Lbs. 32 65

**No. 7. Cultivator Sweep.**
For Shallow Cultivation.**No. 110. All Steel Cultivator with
7 Spring Teeth.**

By the use of a pair of Extensions and 7 Spring Teeth and Clamps any one of our Cultivators can be converted into a 7 Tooth as shown, or we can furnish this arrangement complete.

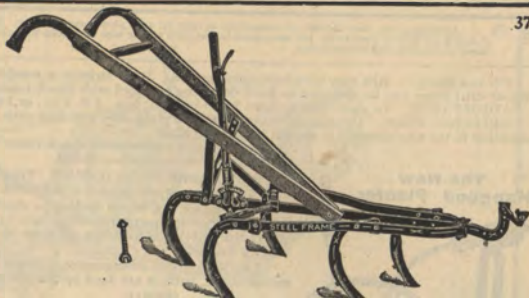
No. 110. SPRING TOOTH CULTIVATOR.....Lbs. \$4.00

Fig. 20. 5-TOOTH ALL-STEEL CULTIVATOR.

WITH LEVER EXPANDER.

No. 20. Plain Cultivator,
with Lever, 75 lbs.....\$3.25

Please remember that this tool can be made the same as those shown in the following cuts, by bolting our attachments to it. Furnished with or without Attachments, as may be desired. Weight, 55 lbs.



No. 40. COMBINED ALL STEEL CULTIVATOR.

No. 40. Combined Cultivator, 94 lbs.....\$5.30

This is the same Cultivator as No. 20, except that it is fitted with Best Horse Hoe Attachments, Lever Wheel, Rear Wheel Depth Regulator and Outside Handle Braces. It has never been possible to regulate the depth of these tools perfectly until this Wheel Depth Regulator was made. It can be set at any depth simultaneously with the front wheel by the Wheel Lever. It will make the Cultivator run more steadily and can be gauged to a nicety instantly, while in motion. This Rear Wheel Depth Regulator will relieve the operator from all strain in holding Cultivator from running too deep. It is used also for transporting from field to field without lifting the Cultivator. The Lever Wheel enables the operator to change its depth in a moment and while in motion and to turn easily at the end of the row. By the Lever Expander the width also can be changed instantly. The Outside Handle Braces make the Cultivator very solid and rigid. This rigidity is maintained while the tool is being expanded or contracted.



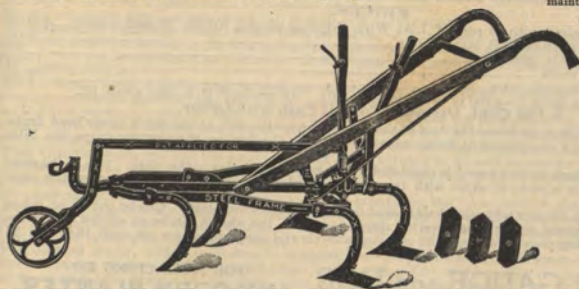
We especially recommend this Fig. 4 Cultivator, as with these Attachments the tool may be used for cultivating almost any crop.

No. 60. ALL STEEL CULTIVATOR.

Arranged For Shallow
Cultivation.

No. 60. Cultivator with
Sweeps, 85 lbs.....\$4.75

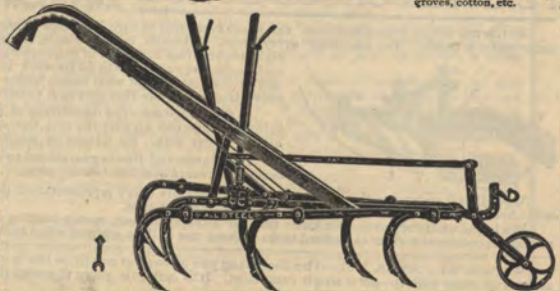
This is the same Cultivator as No. 20, except it is fitted with Lever Wheel, Outside Handle Braces & No. 7 Cultivator Sweeps. These Sweeps can be used on our Fig. 4. This tool is especially adapted to the cultivation of corn, the sweeps taking off the hard crust and yet not cutting deep enough to injure the tender roots of the plant. Works well in orange groves, cotton, etc.



No. 80. ALL-STEEL 7-TOOTH CULTIVATOR.

No. 80. 7-Tooth Cultivator, 90 lbs.....\$5.00

This cut shows our 5-Tooth Cultivator furnished with 7-Tooth Extension Lever, Lever Wheel and Braces. These 7-Tooth Extensions can be ordered separately and bolted to our 5-Tooth Cultivators as wanted. Weight of 7-Tooth Attachments only 13 lbs.



DONGOLA, ILL., Oct. 18, 1901.—I refused the agency for your plow some time ago. Like a good many other people, I would not believe your story, but have since talked with people who have seen this plow at work, and I will esteem it a favor if you will send me contracts.

F. D. PENROY.

"It is a Daisy." It is very simple in construction. It is strictly a combination Planter, either hill drop or drill drop; can be operated by hand or can be operated with check rower attachment.

ADJUSTABLE. To plant corn in rows 3 ft. 4 in., 3 ft. 6 in., 3 ft. 8 in., or 3 ft. 10 in. apart.

DRILLING CORN. This planter has six pairs of plates and will drill corn from 8 inches to 20 inches, according to the size plates that are put in this machine.

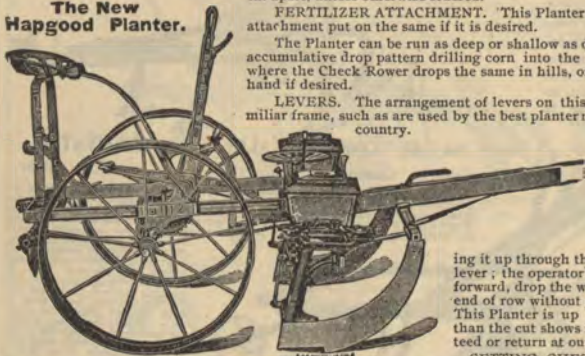
We ship this planter with check rower wire, with the knots 3 ft. 8 in. apart, unless otherwise ordered.

FERTILIZER ATTACHMENT. This Planter can have a fertilizer attachment put on the same if it is desired.

The Planter can be run as deep or shallow as desired. It is of the accumulative drop pattern drilling corn into the heel of the planter, where the Check Rower drops the same in hills, or can be dropped by hand if desired.

LEVERS. The arrangement of levers on this Planter is of a familiar frame, such as are used by the best planter manufacturers in the country.

The New Hapgood Planter.



DROP⁶ CHECK ROWER WIRE.—Check Rower Wire can be dropped off the Planter by connecting a cord to the latch on Check Rower head, bringing it up through the eye in the lifting lever; the operator can, by jerking this forward, drop the wire off the planter at end of row without getting off the seat. This Planter is up to date, and better than the cut shows; absolutely guaranteed or return at our expense.

SETTING CHECK ROWERS.—The check rower heads on this planter are set on brackets that can be adjusted backwards or forwards to compensate for the difference in dropping when a slow walking team is being used on the planter.

METHOD OF ACCUMULATING.—The planters are of the Accumulating Drop Pattern.

Automatic Reel Furnished Without Extra Charge.

PRICES:

Hapgood Planter, complete, with 80 rods of Link Wire, shipping weight, 400 lbs., 30-inch wheels	\$29 75
Fertilizer Attachment, when ordered with Planter	10 00
Broom Corn Plates, per pair, extra	40
Blank Plates, per pair, extra	40
40-inch Wheels, when wanted, extra	2 00
Check Rower Wire, 7c. a rod in 10 rod lengths only. All prices F. O. B. cars Alton, Ill.	

4 Per Cent. Discount For All Cash with Order.

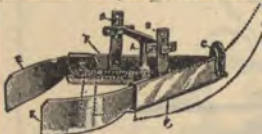
The drill plates drilling corn into the heel of the planter where the wire of the check rower head drops the same out in hills or if the planter is being operated without a check rower the operator drops the hills by hand.

The number of kernels to be planted is regulated by the number of holes in the plate. It is of the most simple construction. It is made of steel, with the exception of the tongue, and is therefore the most durable Planter made.

We can furnish this Planter with clod fenders and covering shovels combined. Can be put on or taken off at any time. When clod fenders and covering shovels are used, the wheels can be set off the row if desired. If ground is being planted wherein the covering shovels and clod fenders are not used, they can be taken off and put away.

PLANTER GAUGE and HOE, FOR ATTACHING TO ANY CORN PLANTER.

By the use of this attachment you can plant every hill of corn, in rough or smooth ground, exactly the same uniform depth. You can cover every grain. All clods, large or small, are either crushed or removed eight inches from each side of the corn row, leaving a smooth, even surface for the cultivator to do its work in. The Gauge allows no dirt on the corn except what comes under the Gauge, this being all pulverized before the Hoe gets to it to cover the corn.



As the Gauge smooths the surface of the ground, and the Hoe brings the fine dirt up over the hill, the water drains from the seed hill to either side. No danger of rotting in unfavorable weather.

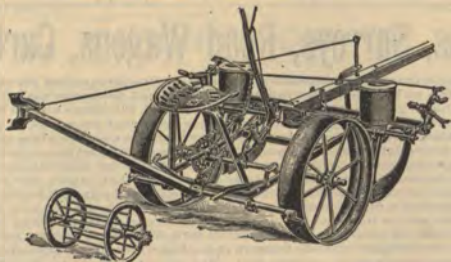
This Gauge and Hoe is guaranteed to save one to three times its cost in increased yield on twenty acres. Price.....\$3.50

We sell and guarantee these attachments to meet fully every representation herein made for them, and will cheerfully refund the money to any purchaser not satisfied.

We know what they are. We know they are a crop-bringing, money-making attachment that no enterprising, economical farmer can afford to do without nor will do without when he knows about them.

WATSON, ILL., Oct. 28, 1901.—The Disc Gang you showed at our little fair is certainly a wonder; farmers are carried away with it—not a single complaint. It is certainly going to sweep the mould board plow off the earth.

L. P. MANTZ.



In presenting to our customers and patrons a Corn Planter for 1902, we have sifted this line thoroughly and have decided to put on the market one that is absolutely correct in its principles and built by one of the oldest Corn Planter firms in the State. Although this Planter being built by an old firm does not indicate it is not an up-to-date Planter. No Corn Planter man has put in more faithful hours of toil than the patentee to bring this Planter to the most perfect pitch of accuracy in dropping and checking corn. The foundation of a farmer's crop lies in a good stand of corn, and to obtain this he must have a GOOD PLANTER, one that has a positive force drop and feed to the valve.

Some Improvements for 1902. A long malleable reel that holds 160 rods of wire and then not full. Marker lifter and carrier (costs extra only \$1.50). **Cut off Plates** have a rolling puncher that presses out every grain that passes under the cut off. This is a necessity for all grains are not the same size and some grains would get wedged in the seed plates if not for the rolling punches.

The Seed Plates have a steady motion, being driven by an endless chain from the axle. The plates revolve slowly, dropping one grain at a time, until enough grains have accumulated to form the hill. This mode of dropping one grain at a time has proven, *without a doubt*, that the single-grain drop is the only correct principle of getting an even number of grains to a hill. (In placing plates into the hopper see that numbers are up.)

This Planter can be quickly converted into a Drill by taking out the valves (D 8-2), and inserting the drill valves, sent with the planter. You do not have to make any other change, but you have the simplest Drill Planter made.

Four-hole plates drop 2 grains to the hill or drill 21 inches apart.

Six-hole plates drop 3 grains to the hill or drill 14 inches apart.

Eight-hole plates drop 4 grains to the hill or drill 10½ inches apart.

The Farmer should be careful in selecting his corn. All the small grains should be removed from the little end of the ear as well as the butt grains, in order to get good seed and uniform size. Try your seed plates until you get the right size for the corn. If holes should be a little small, ream out the holes a trifle on the underneath side.

The Check Row does its work so well that some of the most enthusiastic farmers claim their corn is straighter crossways than the way the Planter runs. The *stroke* is so short and sensitive that the force valve (D 8-2) deposits the corn at once into the ground. It matters not how you drive, slow or fast, the force valve will check your corn straight, for the simple reason that the valves force the corn out, and the faster you drive the more force it gives the corn and pitches it to the imaginary line.

The Check Wire will last for many years, for it has nothing to do only to operate two valves; while in a hill drop the wire has to operate the valves, seed plates, dogs, etc., and if everything does not work nice and smooth it jerks the wire and is often broken.

You may operate this Planter by holding it in the ground by the lever, locked, but in this lever you will find a spring that lets the Planter run easy on a team, relieving the weight from the horses' necks and letting the runners run with the unevenness of the ground; or you can throw back the thumb latch and hold the Planter in the ground with your foot.

Furnished Free, with this Planter, is the most practical and simplest reel made. It is driven by a malleable sprocket chain from the sprocket wheel on the axle. You drive astride the wire, while the wire passes direct under the Planter on the reel. (See directions sent with Planter.) On this Planter you will find a foot-drop to drop at the ends of the rows where you do not wish to use the wire.

Your Planter should run level, or preferable, a little higher in front, so the runners will clear themselves of trash, cornstalks, etc. *Still another device*, while turning around at the ends of the field, when you throw up your runners, the small sprocket wheel is thrown out of gear, so no corn is being dropped, so that you would otherwise have a big hill.

The Improved Alton Corn Planter, absolutely guaranteed, is made of the best material that money will buy. It is well braced, evenly balanced, and all straining parts made of malleable iron and steel. Well put together, nicely finished, and an up-to-date Planter. It is built so it can be changed from 3 ft. 6 in. to 3 ft. 4 in. Wire, 3 ft. 10 in., 3 ft. 8 in., 3 ft. 6 in. and 3 ft. 4 in. Wheels about 30 inches high, concave or flat, but concave will be sent if not otherwise specified, and wire 3 ft. 6 in. The Planter runs easy on team and man, no weight on horses' necks, and GUARANTEED to be equal to any made.

Planter, complete as hand drop and drill, weight 325 lbs. Price.....\$28.00

Planter, complete as foot drop, drill and check row, all complete with 80 rods of link wire, weight 375 lbs. Price.....32.00

An Extra Attachment. For the small sum of \$1.50 we will furnish you a MARKER CARRIER which holds up your marker while turning around, also you can raise the marker up three feet while going along. This is very convenient in trashy, rocky and stumpy ground. Otherwise the regular marker will be sent.

N. B.—4 per cent discount for all cash with order.

Additional plates may be had at 50¢ a set that will drop any seed you want to drill or check.

Buggies, Surreys, Road Wagons, Carts, Etc.

There is no one department of our business that we take more pleasure in calling your attention to than this. First, because we know we have just what will please you. Second, because we can save you a great deal of money, as there is no line of goods in which the middleman is so much in evidence with his big profits.

We flatter ourselves that our efforts to present these goods to you stripped of the profits of the middleman will be appreciated. We have thoroughly canvassed the market in your interest to ascertain where we can get the best value for the money, and we believe that the following pages will bear us out in the statement that we have accomplished the result.

We have not attempted to secure any one line of goods, recognizing the fact that some manufacturers have the facilities for making some things cheaper and better than another, while others are better fitted to make some other particular line.

We recognize the fact that there is a large demand for a good, substantial Buggy, well finished of good material, but free from any lavish expenditure in finish, trimmings, etc., and we have contracted to have built for us just such a Buggy, which, according to our ideas, will meet the demand for this trade. We will call them our Premium B Grade Buggies, because they are strictly B Grade and will take the premium over any buggy on earth of this class, and we guarantee that they will please you better for a medium price B Grade Buggy than any Buggy ever put on the market.

We will also have these Buggies made in strictly A Grade, which means A Grade wheels and gears, better grade of leather in cushions, backs, trimmings, etc. There will be more labor expended in rubbing down the bodies and gears and in finishing them all the way through, more elaborate in trimming and in other small details. Five coats of finishing more than regular work, which of course adds to the appearance as well as durability of the paint. The material will be selected stock throughout, a better Buggy than is handled by the general trade, while we have advanced the price simply sufficient to cover the additional expense.

BOTH GRADES OF BUGGIES will be made in various styles of tops and various qualities of trimmings, etc., and by order that you may quickly distinguish the difference we will give description of the different grades and trimmings:

LEATHER quarter extension tops will have leather quarters and back stays, rubber roof and curtains, wool cloth head lining with heavy well wadded stays, pocket on inside of quarters, leather valance, front and back stitched on, deep lazy back and reaching from out to out of back stays, Brewster fastenings on backstays, canopy top with rubber roof and curtains. This is the grade usually advertised as Standard, Extra Standard, B. Extra, Special, etc., and is the grade of trimming and quality generally used by the trade.

FULL LEATHER TOP—Will have full leather top except the side curtains, which will be of rubber. It will have better quality of trimming all the way through, and the difference in price simply represents the actual difference in quality of material used.

EXTRA FULL LEATHER TOP—Will have the full buffed leather top, with full lined rubber side curtains and special high grade trimmings throughout.

OUR RUBBER TOP—Will have a full rubber top lined with all wool head cloth except the side curtains, which will be unlined. We recommend this grade in preference to cheap imitation leathers, sometimes advertised by unscrupulous parties as "leather top." A good rubber top is far better than the imitation leather trimmings so often used by others. Should you want something cheaper, we can furnish it in the enamel drill top and trimmings of that quality, but we do not recommend it in any case.

No cheap, shoddy goods or C and D Grade handled. You will have to buy that of others.

We have attempted in our general description on page 36, and detailed description under each cut, to try and present our work to you so that you can picture in your mind's eye just what the Buggy is. We have made the details so perfect as to leave nothing for the imagination, and you can place your order with us feeling confident of getting just what you want as well as though you were to see it yourself. You take absolutely no risk whatever under our way of doing business. **WE DO NOT PROMISE IMPOSSIBILITIES, CONSEQUENTLY ANY PROMISE WE DO MAKE WE SHALL BE ABLE TO CARRY OUT.** We therefore wipe out all the profit and expense of middleman, which are from \$15 to \$25 on a Buggy, and \$25 to \$50 on a Surrey, and we get as much for our goods as other parties who sell to the dealers, consequently there is no reason why the work should not be just as good in every particular, unless you are foolish enough to believe that the middleman does business for fun.

Shipments will be made direct from the different factories, and we have equalized prices. Where the freight is \$1.00 more on a Buggy than it would be from here we have made the prices low accordingly, so as to save the necessity of figuring the freights. Nine-tenths of the rigs, however, will be shipped on a basis of St. Louis and Chicago freights, and we will be glad to quote you price delivered at your R. R. station. Do not forget that you have always paid the freight and it is not near as much as you think, or the middleman would have you believe. Our terms will be the same as on all our goods. (Read page 1.) **FIRST, CASH ON RECEIPT OF OUR GOODS IF THEY ARE FOUND TO BE SATISFACTORY.** Such orders, however, must be accompanied with satisfactory reference. Best reference is to have your Bank, Railroad or Express Agent or some responsible business man certify that you are all right.

Second, **4 PER CENT.** discount will be allowed to parties who send **CASH WITH THE ORDER** (unless otherwise stated under the cut). This saves us bookkeeping expense and gives you the benefit in the price, as our entire business is based on giving to the consumer in a reduced price every cent that is saved in the expense of doing the business.

OUR GUARANTEE IS THE SAME AS GIVEN BY THE NATIONAL-CARRIAGE MANUFACTURERS' ASSOCIATION, AND THE ONLY GUARANTEE GIVEN BY ANY ONE. We send to each purchaser along with his invoice a Written Guarantee, signed by this Company, and with our seal attached.

The cuts in this catalogue will show you the general style of Painting and Striping, but does not show the colors, but on receipt of your inquiry we will be glad to send you a colored circular showing the different styles of painting and striping. Also the different grades of leather and cloth in the trimming, so that when you make your selection we give you just what you want.

READ THIS.

We believe that we are offering you the greatest bargain on this class of goods of any one in the business, and so confident are we that we do not hesitate to offer that if you will send us a cut and description of any Buggy, Surrey, Road Wagon or other vehicle offered you by any other concern that we will duplicate either the same rig or one similar to it, and furnish it at less than the price offered you by others.

This is certainly a broad statement, but we stand ready to make it good. We think, however, that you will find in our pages something that will meet the requirements of every case, on not only this line of goods, but our entire line, and we ask your assistance in telling your neighbors and friends what we are trying to do for them. We solicit your orders.

SPECIAL BUGGY CATALOGUE: We will issue about March 1st a Special Buggy Catalogue, containing not only all the styles shown in this catalogue (which covers the subject very thoroughly), but also containing a number of Special styles, some times wanted, but not often called for, and which we did not have room for in this big catalogue.

Yours for business,

HARGOOD FLOW CO.

BUGGY BACKS

AND TRIMMINGS.

These show the Two General Styles, Can Furnish Any Kind.

ALL OUR BUGGIES
ARE WELL CRATED

Please refer to Buggy No. 1950-S Page 42, and you will notice a new style of Back. This we can furnish on any of our Buggies at the same price if mentioned in your order.



PLAITED PATTERN BACK.

This is the regular style generally used.



DIVIDED PATTERN BACK.

Above we show two styles of buggy backs and trimming, all solid panel. Can furnish either style at the same price. If no preference is expressed in the order, we will send whichever is in stock and can be shipped most promptly.

LONG-DISTANCE SELF-LUBRICATING

1,000 MILE

AXLE.



Will run a greater distance with one oiling than any other axle on the market. It is absolutely dirt and dust proof. The felt pad provides an oil reservoir that carries four times the volume of oil of any other, and none can escape at nut or collar end; therefore, no dirty, greasy hubs or nuts when this axle is used. No clumsy cap nut is necessary to keep oil from escaping. Only the necessary oil is imparted to the inner surface of the box at each revolution of the wheel to insure its perfect lubrication.

This axle we will furnish on all road wagons, buggies and surreys, for \$1.00 additional to price, on each vehicle.



DAYTON FIFTH WHEEL.

Our Ideal Spring Cross Bar put on any of our Buggies, as stated in Catalogue. Easy riding and durable. See Page 36 For Extras.

A FEW SUGGESTIONS WORTH NOTING.

First—Do you want the wide track (5 ft. 2) or the narrow track (4 ft. 8)? We must have this information or it will be impossible to fill your order. Do not order Standard Track, as there is no such thing as a general standard track.

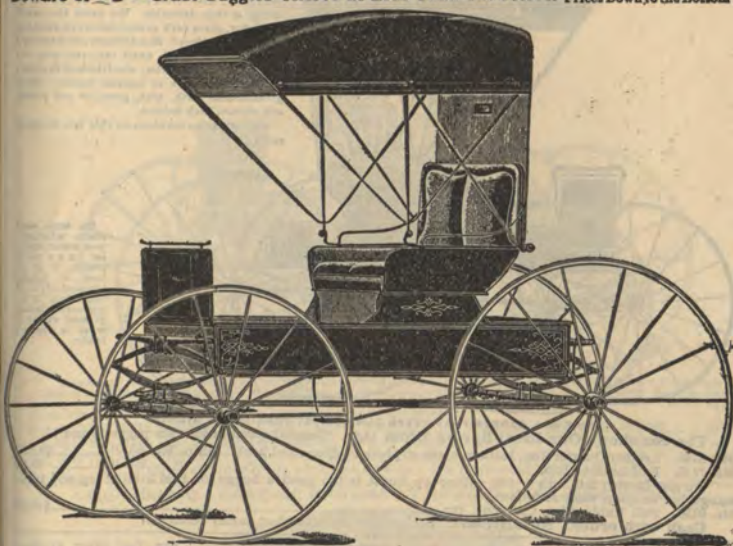
Second—Sign your name and give your postoffice and state. We have a number of such communications which we are unable to give attention, and if you have ever written us and received no reply; possibly this will account for it.

Third—Order by number and state price to avoid errors as to what is wanted. Mention whether cloth or leather trimmings are wanted. Leather sent unless otherwise mentioned.

Do not remit by private checks under any circumstances. It costs money to collect them. Remit by bank draft, money order or express order, or by express prepaid.

EXTRAS.—The price list of extras will be found on page 36. Prices on all rigs will be with shafts unless specially mentioned. If pole is wanted in place of shafts or wanted extra, see price of extras on page 36.

Beware of "B" Grade Buggies Offered at Less Than Our Prices. Because We Have Put Our Prices Down to the Bottom



OUR "DEFY COMPETITION" FOR 1902.

THAT KEEPS OUR COMPETITORS GUESSING TO TELL HOW WE DO IT.

A strictly B-Grade Buggy (we do not handle any C or D Grades). Selected material, strong and substantial and fully guaranteed. General specifications the same as on Pages — and —. The finish is a rich black with very slight ornamentation. The general specifications—Axle, Body, Gear, Spring, etc.—will be found on Page —. Has Spring Back and Spring Cushion.

You can have either 3 or 4-Bow Top, as preferred, at the same price. All Wool, Blue or Green Cloth, Whipcord or Leather Trimming. You will notice it has a nice Leather Dash with Nickel Dash Rail. Body is either 20, 22 or 24 inches wide, and 54 inches long. Either Brewster Green Gear (generally called black) or Red, if preferred.

Cash with Order Prices. Worth \$15 to \$20 More.

No. 9640. Full Rubber Top, Split Leather Cushions and Back Ship. Wt., 400 lbs., \$33 25
No. 7640. Leather Quarter Top, Genuine Leather, Cloth or Plush Cushions and Back, " 400 lbs., 37 50
No. 5640. Full Leather Top, Genuine Leather, Cloth or Plush Cushions and Back, " 400 lbs., 39 95

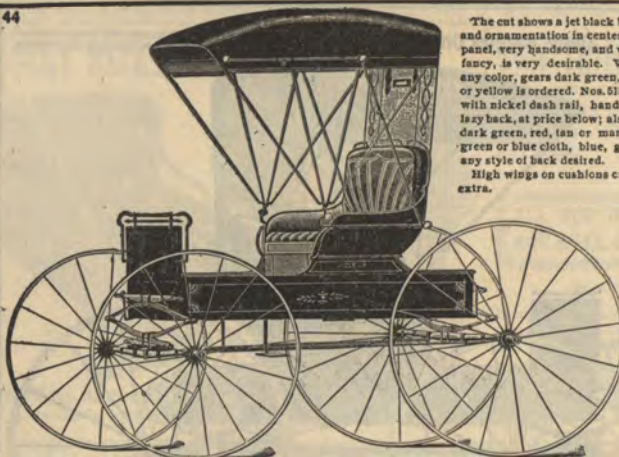
No Cash Discount Allowed From These Prices.

To our trade east of Alton, we will ship this buggy direct from the factory, saving at least \$1.00 on your freight. Freight from Alton guaranteed. Back and cushions will be plaited as per cut unless otherwise specified. **Do you want wide or Narrow Track, 3 or 4 Bow or Handy Top?** State size of body, wheels and style of trimmings.

We will put a fine stripe on this body and ornament on side for 50 cents extra. All nickel trimmed, \$1.50 extra.

EXTRAS.

Pole, with Neckyoke, Evener & Evener Strap, all Complete	\$3.75	5-16 in. Tire on 1 in. Wheel, extra	50
Pole in place of Shafts	2.00	Leather Boot	1 00
Shafts, complete	2.50	Leather Boot in place of Rubber Boot	50
Brake, complete	4.00	Rubber Boot	50
Union Self-Lubricating 1500-Mile Axle	1.00	Rubber Panel Fenders	1.50
Longitudinal Spring on Buggy or Road Wagon	1.00	Rubber Hood for Top	1.50
Steel Spring Bar on Buggy or Road Wagon	75	Drill Hood for Top	1.00
1½ in. Axle, and 1 in. Wheel in place of 1 in. Axle and ¾ in. Wheel on Spring Wagon	1 00	Silver Dash Rail for Road Wagon	25
1½ in. Axle and 1½ in. Wheel with 5-16 in. Tire in place of 1 in. Axle and 1 in. Wheel with ¾ in. Tire on Spring Wagon	1 25	For Buggies	35
1½ in. Wheel and 5-16 in. Tire over 1½ in. Wheel on Spring Wagons	1.00	Silver Hub Bands	35
1½ in. Axle and 1½ in. Wheel in place of 1½ in. Axle and 1½ in. Wheel on Spring Wagons	2.50	Rubber Tire on Buggies extra—Kelley, Springfield, or Goodyear	
		¾-inch, 36-40	17.50
		¾-inch, 40-44	18.50
		¾-inch, 39-43	20.00
		1-inch, 40-44	23.00



The cut shows a jet black body, gold striping and ornamentation in center and nicely striped panel, very handsome, and while not gaudy or fancy, is very desirable. We paint the panel any color, gears dark green, unless red, carmine or yellow is ordered. Nos. 5136 and 7136 furnished with nickel dash rail, hand rail, rail over the lazy back, at price below; also trimmed in either dark green, red, tan or maroon leather. Dark green or blue cloth, blue, green or red plush, any style of back desired.

High wings on cushions on this job, 50 cents extra.

Be sure and state whether you want wide or narrow track, 3 or 4-bow or handy top and style of trimming. If no preference is expressed will ship what is nearest ready.

HERE IS A CORKER THAT KEEPS OUR COMPETITORS AWAKE NIGHTS.

The cut shows Our Ideal Spring Cross Bar. General specifications see pages 40 and 41.

No. 5130. Leather Quarter Top, leather, cloth or plush cushions and back. Ship. Wt. 400 lbs. \$42.50

No. 7130. Full Leather Top, " " " " " " 400 lbs. 46.00

We also furnish this with a full rubber top, but it is too good a buggy for that kind of top and trimmings, but we quote same as follows:

No. 9130. Full Rubber Top, Cushions, etc. \$40.00

Cash with order. No discount. Satisfaction guaranteed or money refunded.

KING BUGGY.

This shows our "King" Buggy. Extra high back, latest style trimming. Gotten up in nice shape. General description the same as on pages 40 and 41.

Please note we use nothing but the best Wheels, Axle and Body. This Buggy shows the Celebrated Bayley Body Loop, which is furnished on this Buggy without extra charge.

The Body is plain rich black, but can be striped in any style you may prefer, and we can also furnish same with any of the different styles of backs. Please note you can have either 3 or 4-



Bow Top, either All-Wool, Green or Blue Cloth, Whiplash, or Leather Trimmings in Cushion and back. Spring back and Spring Cushion. Best of Hickory Gears, Full Shaft Leathers, and either Brewster Green (generally called black), or Red Gear.

Be sure and state the Width of Track and Kind of Trimming, and whether 3 or 4-bow Top.

Any of the Extras shown on Page 42, not otherwise included with this Buggy, can be furnished at an additional price.

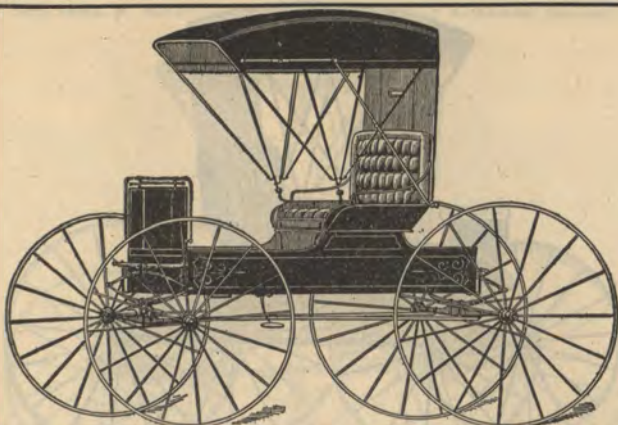
No. 5240-S. KING BUGGY, with Leather Quarter Top, Genuine Leather, Broadcloth or Plush Trimming. Shipping Weight, 425 lbs. \$44 00

No. 7240-S. KING BUGGY, with Full Leather Top, Genuine Leather, Cloth or Plush Trimming. Shipping Weight, 435 lbs. 47 75

No. 9240-S. KING BUGGY, with Rubber Top. 41 50

This is too good a Buggy, however, to put a Rubber Top on.

2 per cent discount from these prices for Cash with the order.



This Buggy is the Companion to our No. 7640. The general description is about the same, a little difference in the style and quality of the Trimming, Striping and Ornamentation, and at the price it is hard to beat. We do not believe there is another concern on earth offering you as good a bargain as this for the money. When we sell this Buggy to a customer, it never fails to please him, and to bring us other business. Note our extremely low prices.

- No. 5540-S. With Leather Quarter Top, Leather, Cloth or Plush Cushions. Ship. Wt., 400 lbs. — \$37 50
 No. 7540-S. With Full Leather Top, Leather, Cloth or Plush Cushions. " " 400 " — 40 25
 No. 9540-S. With Full Rubber Top, Imitation Leather Cushions and Back. " " 400 " — 35 00

Prices strictly cash with the Order. No Discount of Any Kind.

No. 5830-S. SPECIAL BREWSTER SPRING SIDE-BAR BUGGY.



This is a Buggy that pleases a great many of our friends. It is handsomely proportioned, and is High Back, Nickel Dash Rail, the Celebrated Brewster Side Bar and 4-Bow Top. Spring Back and Spring Cushion. Nickel Dash Rail, Body handsomely striped and painted. General description and size same as on Pages 40 and 41. You can have your choice of size and height of wheels, body, etc. At our price this is a rare bargain.

- No. 5830-S. Full Leather Top, Genuine Leather, Broadcloth or Fancy Plush Cushions and Back.

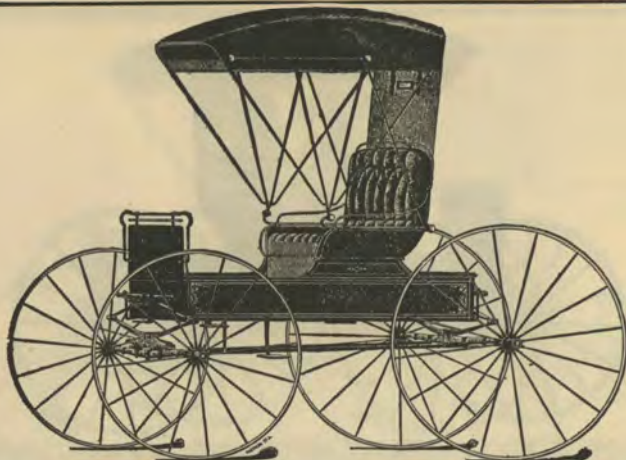
Shipping Weight, 400 lbs.

- No. 7830-S. Leather Quarter Top, Leather, Broadcloth or Plush Cushions and Back. Shipping Weight, 400 lbs. — \$44 00

- No. 9830-S. Rubber Top, Imitation Leather Cushions and Back. Shipping Weight, 400 lbs. — 41 00

2 Per Cent Discount for Cash with the Order From These Prices.

We can furnish this Handy Top on any of our Buggies without extra charge; see Page 43 for Price-List of Extras, if there is anything further wanted.

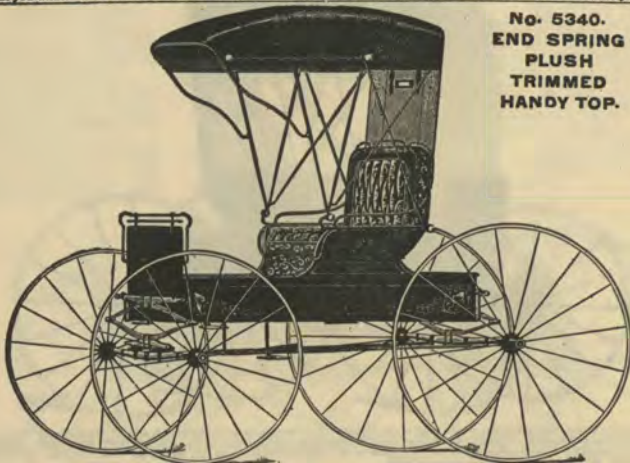
**No. 5040.**

Here is a Buggy that makes our competitors groan. The general description, size of wheels and the body the same as on Pages 40 and 41. It is handsomely proportioned. Cut shows the Elliptic End Spring, but can be furnished with Steel Spring for 20 cents extra. The material in this Buggy throughout is strictly first-class. It has a High Back of late design, has a new and fancy style of Body, which is very pretty, at the same time not flashy. It makes a nice rich appearance and it is very popular. Can be furnished in any of the different style Trimmings, either Dark Green, Red, Tan or Maroon Leather, Dark Green or Blue Broadcloth, Blue, Green or Red Plush. You can place your order for this Buggy, feeling perfectly confident you will get a bargain and a Buggy that will be a pleasure to use, and especially at our low prices.

No. 5040-S. Leather Quarter Top, Fancy Leather, Cloth or Plush Trimming. Shipping Weight, 425 lbs. \$45 00
 No. 7040-S. Genuine Full Leather Top, Fancy Leather, Cloth or Plush Trimming. Shipping Weight, 425 lbs. 48 50

3 per cent discount for cash with the order from these prices.

Please refer to the list of Extras if any change is wanted. Be sure and specify the height and size of Wheels, and size of body that you want. Give width of Track. It costs no more to give you just what you want and then we are sure to please you.



**No. 5340.
 END SPRING
 PLUSH
 TRIMMED
 HANDY TOP.**

No. 5340.

Here is another very handsome Buggy of a new style design for 1902. The cut shows Plush Trimmings, which are very handsome and very popular. This cut also shows our Handy Top, making it very easy to get in and out of the Buggy, as it puts the front bow out of the way. We can furnish this Top, or 2 or 4-Row Top at the same price. This Buggy has a very high Back, solid panel on have all our Buggies, Nickel Dash Rail and Seat Rail, Handsomely Ornamented and Striped, and we offer you this Buggy feeling confident that for style and quality of material used, it is not duplicated any place.

No. 5340-S. With Leather Quarter Top, Genuine Leather, Cloth or Plush Trimming. Shipping Weight, 425 lbs. \$47 50
 No. 7340-S. With Full Leather Top. " 425 lbs. 51 75
 No. 8340-S. With Full-Rubber Top, although this is too good a Buggy to put a Rubber Top on. " 425 lbs. 44 50

3 per cent discount from these prices for cash with the order.



This Buggy has been gotten up for the best trade. Parties who want the best regardless of cost are willing to pay for it. A much better buggy than is usually sold, as you will see from the following description. Easily retailed at from \$90 to \$100. Absolutely no pains are spared in this Buggy. Nothing but the best grades of leather are used in the Cushions, back and top. The bow sockets are all leather covered. Has the celebrated Long Distance Axle. The Open Head Spring, also the Longitudinal Spring running from the front to the rear Axle, Leather Boot, Leather hand-holds in the top, lined with extra heavy wool lining. The Backs and Cushion all filled with genuine curled hair. Has 11-inch Patent Leather hand-holds, Dash is Leather covered, hand-holds on the body, curved top brace, rubber padded foot step, while the painting and finishing is not excelled by any Buggy on the market, and notwithstanding all this expense, and the high character of this Buggy, we are offering it to our friends at a price that is absolutely ridiculous, but we wish to learn if there is a demand for a very high grade Buggy at a low price.

No. 1670-S. With Leather Quarter Top, as described above, Shipping Weight, 435 lbs. \$62 50

No. 1650-S. Full Leather Top as described above. Shipping Weight, 435 lbs. 66 50

2 Per Cent Discount From These Prices For Cash With the Order.

Not made in any cheap Grades, or cheap Tops, but every Buggy absolutely as described above.



No. 7320. STRICTLY A-GRADE BUGGY.

This is another of our Special Strictly A-Grade Buggies. A New Buggy for 1902. Strictly No. 1 Machine Buffed Leather in the Quarters and Back-Stays. Machine Buffed Leather Cushions and Back, with Twelve Spring Hair-Filled Spring Cushions. Very high Back and small Biscuit Pattern, both Cushion and Back. Strictly First-Class Second Growth A-Grade Hickory Wheels, Rubber Covered Steps, Leather Covered Seat Handles, Leather Covered Prop Nuts, 14-oz. Heavy Top Lining, Rubber Slide Curtains, 36-inch Open Head Spring Panel, Leather Storm Apron, Long Distance Axle, Celebrated Dust Proof Collar, Bayley Body Loop, High Curved Dash. A splendid Buggy at a low price.

You can have your choice of Tops, size of Body, Width of Track, etc., the same as all the Buggies.

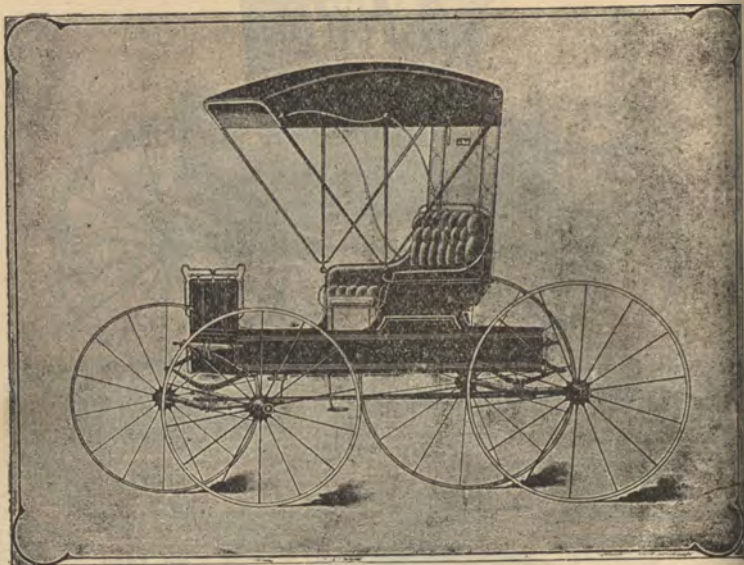
No. 7320. Special A-Grade Buggy, Leather Quarter Top, Shipping Weight, 435 lbs. \$60 00

No. 5320. Special A-Grade Buggy, Full Leather Top 64 50

2 Per Cent Off These Prices For Cash With Order.

WALLACE, MO., Aug. 16, 1901.—We have all our plowing done while our neighbors have been idle. One man thought it was a horseless carriage, another man thought it was a hand car, because it had flanges on the wheels, but we are perfectly delighted with it. J. HUDSON.

THE ARISTOCRAT.—Another Snap at \$5.00 Less Than 1901 Prices.



Dash 2 inches higher than regular. Long Distance Axle, Quick Shifting Shaft Couplers, Bayley Body Loop, Body finished on the inside. Extra grade carpet full length, genuine full buff leather cushions, back and top.

Because it is gotten up regardless of expense, parties who are looking for the best in every particular, this buggy will be highly appreciated. It is built the best trade, with special top, curved top joints, rubber padded steps, leather covered top, fancy Brussels carpet, hand hold leather covered, extra painted and finished throughout, special wheel, all silver trimmed, high wings on seat cushions.

A Grade. No. 420. Leather Quarter Top, either cloth or plush cushions and back.	400 lbs.	Cut Price. \$57.50
A Grade. No. 400. Full Leather Top, " " " " " "	400 lbs.	62.00

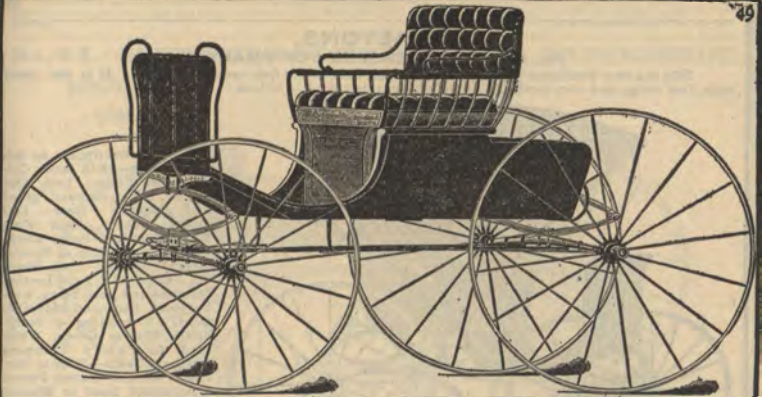
2 per cent discount cash with order. Nothing but the best used in this buggy. Will be furnished in $\frac{3}{4}$, $\frac{1}{2}$, or 1-inch wheels, 19, 22 or 24-inch body. Dark green, tan or red leather, dark green or blue cloth, blue, green or red plush, any style of back, nothing loud or gaudy, ornamentation rich and striping neat. We know this will please the most fastidious.

SUTTON, NEB., May 16, 1901.—We run your Disc Sulky to-day 7 inches deep and 14 inches wide in hard dry ground with only a team of ponies weighing 300 pounds. We enclose you photograph taken in the field. Your plow is certainly a wonder.
J. F. HENNESSEY, Implement Dealer.

TRUMBULL, NEB., May 29, 1901.—Enclosed find draft for 10 Disc Gang Plows. Everybody is simply carried away with your plow.
H. KORGAN.

WYMORE, NEB., July 13, 1901.—Ground so hard and dry my Mould Board Plows would not work at all. Your Disc Plow working every day, and giving the best of satisfaction.
W. F. GERDES.

PRINCETON, NEB., May 15, 1901.—We run your Disc Gang to-day in a piece of ground that had been pastured all summer. No Mould Board Plow on earth could have plowed it, and we expected to see your plow run along the top of the ground. It was a wonderful surprise to all of them how it turned the ground over and pulverized it, and such light draft.
VONBURG BROS.



On this page we show two beauties, fit for a millionaire, but at our prices, so that our friends can indulge in them.

No. 993. Handsome Empire Stanhope Buggy, stick seat with panel back, trimmed in most magnificent style, and strictly first-class in every respect. More minutely described as follows: Axle—15-16 inch, Collage Bell Collar Long Distance. Body—Screwed, glued and plugged. Gear—Best Hickory, Rear King Bolt. Painting—Body, Black; Gear, Coaching Vermillion or Riverside Green. Springs—Open Head, Oil Tempered. Trimmings—Whipcord or Fancy Trimming Leather. Track—Wide or Narrow. Wheels—Garven Patent, Compressed Band or Warner, our own make, $\frac{3}{4}$ or $\frac{1}{2}$ inch Tire. Shafts.

No. 993. Empire Stanhope, Solid Seat with Lamps, Solid Panel Back. Ship. Weight, 375 lbs.\$47 50

We Quote Price as Follows :

No. 994. Empire Stanhope, Stick Seat, with Lamps and Jockey Penders. Ship. Wt., 375 lbs.,\$45 00
2 Per Cent. Discount for Cash with Order.

No. 980. Piano Body.

No. 990. Corning Body.

\$67.50

With $1\frac{1}{4}$ Axles and
Wheels, \$2.00 Extra.

Heavy Livery Buggy.

Body, 28x58 inches.

Distance, Seat to Dash,
25 inches.

Large, Roomy Seat.

Top Cushion, 17x13 $\frac{1}{2}$.

Pole.



These Buggies built especially for livery trade, particularly adapted for hard usage in the Southwest and West Coast Territory. General description: Body—Large, Strong and Roomy, with High Panel Seat. Wheels—14-inch, Round Edge Steel Tire, bolted between every Spoke, 40 inches and 44 inches high. Axles—1 $\frac{1}{4}$ -inch, Sand Proof, Double Collar, warranted. Springs—14-inch, Five-Leaf, Oil-Tempered. Gear—Steel, Toe Rails, Steel Seat Braces, Steel Plates on Bottom of Reaches. Norway Clips and Bolts. Painting—Gear, Brewster Green or Black, with glazed stripe to match; Body, Black with Green or Maroon Side Panels; Trimming, Maroon, Green or Tan Leather, and all Wool, Green or Blue Cloth, Spring Cushion and Spring Back, with Bright Carpet. Top—Leather Quarter, Leather Sides, 24-in. Rubber Roof and Cloth-Lined Back. Curtains, Colored Back, Rubber Side Curtains. Or Leather Roof and Back Curtains, \$3 00 extra on any of these Buggies. Wide or Narrow Track.

No. 920. A similarly made buggy, a little lighter, with Shafts, Lower Panels, seat 15x33 $\frac{1}{2}$, Piano

Box Body only

\$62 50

PHAETONS.

No. H-340. EXTENSION TOP PHAETON.

This is a very handsome Phaeton, and we regret that the cut does not do it justice. It is the latest style, late design and very handsome, more minutely described as follows:



General description as follows: Axle—15-16 inch, Collage Bell Collar. Long Distance. Body—Screwed, glued and plugged. Gear—Best Grade Hickory, Rear King Bolt. Painting—Body, Black. Gear, Vienna Wine or Special Green. Springs—Open Head, Oil Tempered. Top—Leather Quarters and Back Stays, Rubber Roof, Back and Side Curtains. Trimmings—Broadcloth, Blue or Green, Whipcord, or Fancy Trimming Leather. Track—Wide or Narrow. Wheels—Sarven Patent, Compressed Band or Warner, our own make, $\frac{3}{4}$ or $\frac{1}{2}$ by $\frac{1}{4}$ inch tire. Shafts.

PRICE LIST.

No. H-340. Extension Top Phaeton, Leather Quarters, Regular Dash, Shafts.	Shipping Wt., 525 lbs.,	\$62 25
No. H-350. Extension Top Phaeton, Full Leather Top. Shafts.	Shipping Wt., 525 lbs.,	65 00
No. H-360. Extension Top Phaeton, Full Rubber Top. Shafts.	Shipping Wt., 525 lbs.,	69 75
No. H-370. Same Phaeton as above, but with Canopy Top, Regular Dash and Shafts.	Shipping	
Weight, 525 lbs.		57 50

(See cut below for another handsome Phaeton, with Wing Dash.)
2 Per Cent. Discount for Cash with order.

No. H-300. EXTENSION TOP BOULEVARD PHAETON, WING DASH.

THE BEST IN THE MARKET.

This you will notice from the cut is a very high back, very high sides, is elegantly upholstered and trimmed, and is a very stylish Rig, and is being sold by middle-men at from \$100 to \$115 in this State.

General description as follows: Axle—15-16 inch, Collage Bell Collar. Long Distance. Body—Glued, screwed and plugged. Gear—Best Grade Hickory, Rear King Bolt. Painting—Body, Black; Gear, Riverside Green or Solid Red. Springs—Open Head, Oil Tempered. Top—Leather Quarters and Back Stays, Rubber Roof, Back and Side Curtains, Patent Leather Valance. Track—Wide or Narrow. Trimmings—Broadcloth, Blue or Green, Whipcord or Leather. Wheels—Our own make, $\frac{3}{4}$ or $\frac{1}{2}$ inch Tire. Shafts. Rubber Step Pads.



PRICE LIST.

No. H-300. Boulevard Phaeton, with Leather Quarter Exten. Top and Wing Dash, Ship's Wt., 450 lbs.,	\$71 50
No. H-310. Boulevard Phaeton, with Full Leather Top.	450 " 74 65
No. H-320. Boulevard Phaeton, with Full Rubber Top.	450 " 69 25
No. H-330. Boulevard Phaeton, with Full Canopy Top.	450 " 67 50

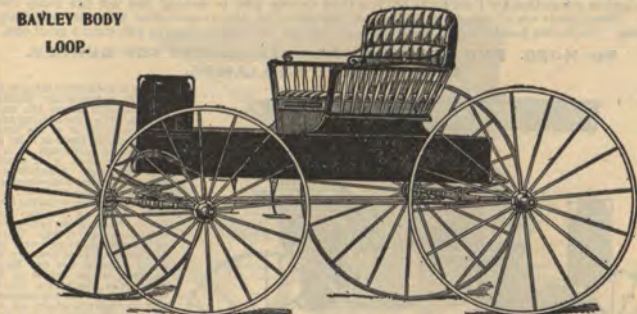
Above prices are for Broadcloth, Whipcord or Machine Buffed Leather Trimming. If fancy Hand Buffed Leather Trimmings are wanted add \$1.50.

2 Per Cent. Discount for Cash with Order.

No. 5S. GENTLEMEN'S DRIVING WAGON, OR RUNABOUT.

BAYLEY BODY

LOOP.



The general description is the same as on pages 40 and 41. It has the Stick Seat with oval back, and the Celebrated Bayley Body Loop, the latest thing known for fine Buggies. The cushions and back of either light colored whipcord or leather. The leather can be furnished in either black, light, tan or maroon. The cut above shows this rig with rubber tires. Can be furnished with regular tires. Note our exceedingly low price; lower, we believe, than quoted by any other concern on this class of work, as follows. Single leaf spring will be furnished on any of these buggies at the same price.

Any of these buggies furnished in Brewster Spring Side Bar at the same price, or in arched or drop axle as preferred, without extra charge.

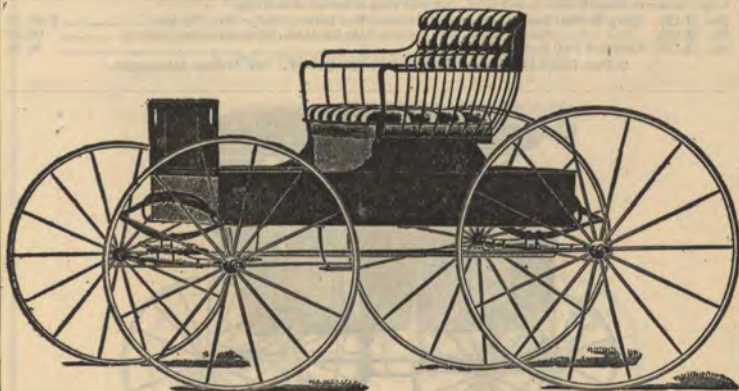
No. 5-S. Runabout, with Genuine Leather, Broadcloth or Whipcord Trimmings, Rubber

Tires. Shipping Weight, 400 lbs.

\$57 00

No. 3-S. Runabout, same as above, without Rubber Tires

35 00



No. 532. HANDSOME STICK SEAT DRIVING WAGON.

This is a very handsome job, with Spring Cushions, Stick Seat. All Wool. Green or Blue Cloth, Whipcord or Leather Trimmings in both Cushions and Back, Leather Dash. Body, 20, 22 or 24 inches wide, 54 inches long, as wanted. Carpeted Panel, Brussels Rug in the bottom; 15-16 Double Collar Steel Axle, Oil-tempered Springs, best of Hickory Gears, Compressed Band Wheels, Bayley Body Loop, Full Bolted Round Edge Steel Tires. Gears painted Brewster Green or Red, as preferred, or nicely striped, if preferred. Hung on Brewster Springs at the same price. This is a handsome stylish Rig, and will give you perfect satisfaction.

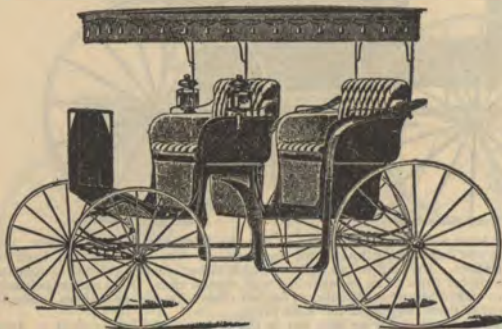
PRICE LIST.

No. 532. Road Wagon..... \$ 34 30

2 per cent discount for all cash with order. No other discount.

SURREYS. With pleasure we invite your attention to our line of Surreys. We have given this subject a great deal of time, thought and expense, and we believe you will agree with us that we have the most complete and perfect line of this class of goods on the market to-day, and at prices that are from \$10 to \$25 less than anyone else is asking you for the same class of goods. These goods are all strictly A-Grade, and you will find them up-to-date in style, painting and trimming. We do not handle any B-Grade Surreys. If you can afford a Surrey you want a good one.

**No. H-120. END-SPRING CUT-UNDER CANOPY TOP SURREY.
FULL FENDERS AND LAMPS.**



Surrey Axles are only 1 1/8. Gears of the best selected Hickory, bone dry, and every part thoroughly inspected, and with Rear King Bolt. The painting is very handsome. We wish we could send you a colored cut of this, showing its handsome appearance in colors. The Body is Black. Gears a beautiful Green or Solid Red.

Large Fancy Leather Dash, Oil Burning Lamps, 16-oz. All-Wool, Blue, Cadet or Green Cloth, Whipcord or Deep Buffed Leather Trimmings, both Cushions and Back. You can take your choice. Long Distance Dust-Proof 1 1/2 Axle, either Arched or Drop, Long Open Head, Easy Riding Oil-Tempered Springs, Hayley Body Loop in the rear, Spanner Iron in front. Best Grade Hickory Gears, Long Shaft Leathers, Best Grade of Compressed Band Hickory Wheels, 1/2 or 1-inch, and 36 and 44 inches in height, or Sarven Patent Wheels, 1/2, 1/4 or 1/8. All Steel Tires, or full bolted oval edge.

No. H-120. Deep Buffed, Leather Quarter Extension Top Surrey, Ship. Wt., 700 lbs. \$ 96 50
No. H-130. " " Full Leather Top, Rubber Side Curtains, Extension Top Surrey. 99 50
No. H-110. Genuine Full Rubber Top 94 50

2 Per Cent Discount For Cash with Order. No Other Discount.



No. H-90. CUT-UNDER SURREY WITH EXTENSION TOP.

This is the same Surrey as shown above, No. H-120, but has the Extension Top, and we furnish the same in all of the various styles of Tops. Please note our Low Prices. **FULL FENDERS AND HANDSOME LAMPS AND POLES.**

No. H-90. Leather Quarter Extension Top, Cut-Under Surrey, Shipping Weight, 700 lbs. \$102 50
No. H-110. Full Leather Top, Rubber Curtains, Cut-Under Surrey, Shipping Weight, 700 lbs. 106 50
No. H-100. Full Rubber Top, Cut-Under Surrey, Shipping Weight, 700 lbs. 99 50

If you wish any of these Surreys with Jockey Fenders, deduct \$3.95.

Either Arched or Drop Axle same price, as preferred. This Surrey retails for \$135 to \$150. Save the Middleman's Profit by sending your order direct. 2 per cent. discount for all cash with order. No other discount.

No. H-50. STRAIGHT SILL, EXTENSION TOP SURREY, END SPRING.
FULL FENDERS AND HANDSOME LAMP AND POLE.



This is the same Surrey as No. H-120, with the Extension Top. It has the Straight Sill Body, instead of the Cut-Under. In all other respects it is identically the same, using $1\frac{1}{2}$ or $1\frac{1}{4}$ in. Axle. Same quality of material throughout, but owing to the difference in the Body and expense of making the same it is somewhat cheaper, and we quote you as follows:

No. H-50. Extension Top, End Spring, Straight Body Surrey, Strictly A-Grade, Leather Quarter Top, with Pole. Shipping Weight, 700 lbs.....	\$83 75
No. H-60. Extension Full Leather Top, Rubber Side Curtains, Shipping Weight, 700 lbs.....	87 50
No. H-70. Extension Full Rubber Top, with Pole. Shipping Weight, 700 lbs.....	79 50

If Jockey Fenders are wanted in place of Full Fenders, deduct \$3.75.

If $1\frac{1}{4}$ -inch Axles are wanted for heavy work and rough usage, add \$1.50 extra.

Cut below shows this same Surrey with Jockey Fenders, but Canopy Top

2 Per Cent Discount for Cash with Order.



No. H-85. STRAIGHT SILL, CANOPY TOP SURREY. POLE.

This cut represents the same Surrey as above, but with Canopy Top and Jockey Fenders instead of Full Fenders. In other respects it is identically the same. Same Trimmings and quality of material all the way through. Note our Low Prices.

No. H-85. Canopy Top, Straight Body Surrey, Lamps and Pole with Jockey Fenders.....	650 lbs.	\$89 50
No. H-45. Canopy Top, with Lamps and Full Fenders, instead of Jockey Fenders.....	650 "	73 25

If $1\frac{1}{4}$ -inch Axles are wanted, add \$1.50.

2 Per Cent. Discount For Cash with Order.

No. H-210. STRAIGHT SILL EXTENSION TOP SURREY.



General description as follows: Axle—1 1-16 Collage Bell Collar. Long Distance. Body—Glued, Screwed and Plugged. Gear—Selected Hickory, Rear King Bolt. Painting—Body, Black; Gear, Vienna Wine or Special Green. Spring—Oil Tempered. Top—Leather Quarters and Stays, Rubber Roof, Side and Back Curtains. Trimmings—Broadcloth, Dark Green or Blue, Whipcord, or Fancy Trimming Leather. Track—Wide or Narrow. Wheels—Sarven Patent, Compressed Band or Warner, our own make, $\frac{1}{2}$ or 1 inch Tire. Shafts.

This is a very handsome Surrey, and for the purpose cannot be duplicated any place, and is the same Surrey as sold by dealers at \$125 to \$135. Note our Low Prices.

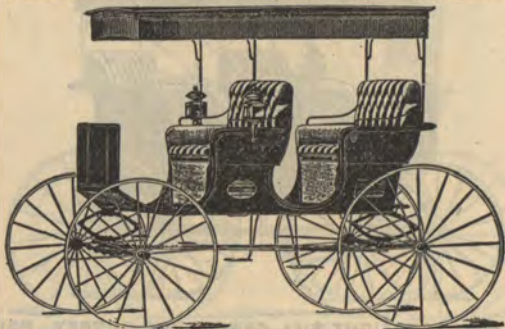
No. H-210. Straight Sill Extension Top Surrey, Full Fenders and Lamps, Leather Quarter Top. Pole. Shipping Weight, 600 lbs.	\$79 95
No. H-220. Straight Sill Extension Top Surrey, Full Fenders and Lamps, Full Leather Top, Rubber Curtains. Pole. Shipping Weight, 600 lbs.	84 75
No. H-230. Straight Sill Extension Top Surrey, Full Fenders and Lamps, Full Rubber Top. Pole. Shipping Weight, 600 lbs.	75 50

If Jockey Fenders are wanted in place of the Full Fenders, deduct \$3.75.

2 Per Cent. Discount For Cash with Order.

We can furnish Stick Seats for Surreys on Page in place of the Full Panel, if desired, at the same price.

No. H-245. STRAIGHT SILL SURREY, WITH CANOPY TOP.



This is the same Surrey as above, but with Canopy Top instead of Extension Top. This cut also shows the Jockey Fenders. Note our extremely low prices on this:

No. H-245. Straight Sill, Canopy Top Surrey, with Jockey Fenders and Lamps, per cut. Pole. Shipping Weight, 600 lbs.	\$66 75
No. H-250. Straight Sill, Canopy Top Surrey, with Full Fenders and Lamps. Pole. Shipping Weight, 600 lbs.	71 00

A very stylish, handsome vehicle. Never was our line more complete on Surreys than this season. We are offering some magnificent bargains, obtained at considerable trouble and expense.

2 Per Cent. Discount For Cash with Order.

No. H-280. FARMERS' SURREY, REMOVABLE REAR SEAT.



General description as follows: Axle—1 1-16 Double Collar. Body—Glued, screwed and plugged. Gear—Selected Hickory, Rear King Bolt. Track—Wide or Narrow. Top—Canopy. Painting—Body, Black; Gear, Parry Red or Parry Green. Springs—Oil Tempered. Trimmings—Cloth or Leather. Wheels—Sarven Patent Compressed Band or Warner, our own make, $\frac{3}{4}$ or 1-inch tire.

Rear seat being removable makes this a very desirable vehicle for a Farmer, changing the Surrey instantly from a two-seat to a single seat. There is plenty of room under the seat for packages. With the rear seat removed quite a load can be hauled. It is strong and well made, and we prophesy an extremely large trade on this vehicle, especially at our low prices.

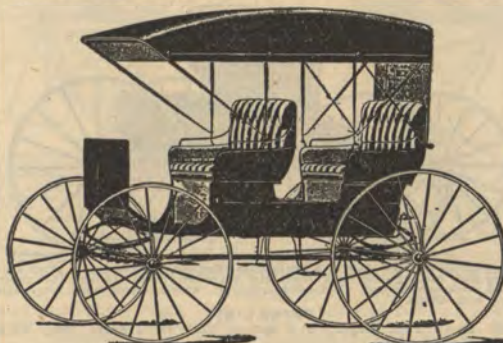
No. H-280. Canopy Top Surrey, as above, Pole. Shipping Weight, 550 lbs.....\$51 00

If Surrey is wanted as shown in cut, without Canopy Top, deduct \$7.00.

If full Fenders and Lamps should be desired on this Surrey, add \$7.50.

2 Per Cent. Discount for Cash with Order.

No. H-260. FARMERS' SURREY, WITH EXTENSION TOP.



This is the same Surrey as the one shown above, but with Extension Top instead of Canopy Top, and is a very desirable Vehicle, especially at our low prices.

No. H-260. Farmers' Surrey, with Full Leather Quarter, Extension Top. Pole.

Shipping Weight, 625 lbs.....\$58 50

If Full Fenders and Lamps should be desired on this Surrey, add \$7.50.

2 Per Cent. Discount for Cash with Order.

OUR BEAUTY ROAD WAGON.



No. 1100.	Canopy Top, Side Curtains, Leather Cushions and Back	\$33 50
No. 1120.	Canopy Top, Side Curtains, Full Leather Cushions and Back	35 00
No. 1040.	With Full Rubber Top, Leather Cushions and Back	37 50
No. 1020.	Leather Quarter Top, Leather, Cloth or Plush Cushions and Back	40 00
No. 1000.	Full Leather Top, Leather, Cloth or Plush Cushions and Back	42 50

Here is something that is particularly nice and fully guaranteed. It is made with Strictly B Grade Huggy Running Gears instead of cheap road wagon gears and wheels as are generally used. You will make no mistake in placing your order for one of these, more particularly described as follows:

Body—54 inches long through Center of Panels. Wheels— $\frac{1}{2}$ -inch Tire, 36 and 40 inches high or 33 and 42 inches high; $\frac{1}{4}$ -inch Tire, 33 and 42 inches high. Axles—15-16 inch, Double Collar Steel or the Long Distance Axle. Springs— $\frac{1}{4}$ -inch $\frac{3}{4}$ and 4 Plate Oil Tempered. Painting—Bright Carmine, with Double Black Stripe, or Green, with Double Gold Stripe. Body—Black, with Bright Carmine Shutter Work on Panel. Risers Neatly Ornamented and Striped. Trimming—Canopy Top, with Rubber Curtains all Round, or Thirties Bow Rubber Top, with Curtains. Genuine Leather or all Wool Cushion; Panel Spring Back.

2 Per Cent. Discount for all Cash with Order. (No Other Discounts.)

No. H-1140. FANCY ROAD WAGON, END SPRING.



General description as follows: Axle—15-16 inch, Double Collar, Dropped. Body—Screwed, glued and pinned. Gear—Best Hickory, Rear King Bolt. Painting—Body Black; Gear, Parry Red or Parry Green. Springs—Oil Tempered. Trimmings—Imitation Leather, Cloth, Corduroy or Leather. Track—Wide or Narrow. Wheels—Sarven Patent, Compressed Band or Warner, our own make, 1, $\frac{1}{2}$ or $\frac{3}{4}$ inch. Shafts.

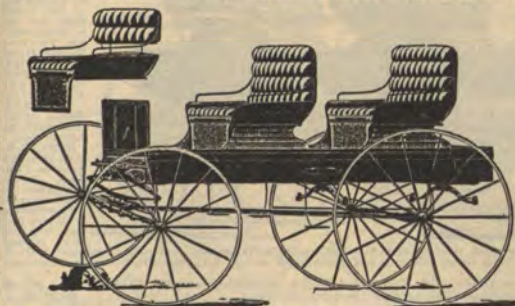
PRICE LIST.

No. H-1140.	Fancy Road Wagon, End Spring, Full Panel Back, Drop Axle,	
	Shipping Weight, 425 lbs.	\$27 50
No. H-1150.	Fancy Road Wagon, End Spring, with Half-Back instead of Solid Back,	
	Shipping Weight, 425 lbs.	25 00

Brewster Side Bar at the same price.

Above prices are for the Road Wagon trimmed in Rubber or Imitation Leather, the same as nine-tenths of the Road Wagons on the market. If Broadcloth or Genuine Leather Trimmings are wanted, add \$1.00 extra.

No. H-1290. OSCILLATING GEAR SPRING WAGON, FOUR FULL BACK SPRINGS.



This is a splendid, well built wagon. Will carry 1,500 lbs. under all conditions, and from 1,800 to 2,000 lbs. under ordinary conditions. By the aid of the Oscillating Gear you will notice the Body remains perfectly level while running over obstructions even 15 inches high. Body is 34 inches wide, 1 feet, 3 inches long, of the best Seasoned Lumber, screwed, glued and plugged, and well ironed. The Axle is 1 1/4 in. Steel Double Collar, and you will notice is larger than the 1 1/8 ordinarily used by most of manufacturers. The Gears are made of the best Hickory, thoroughly seasoned. The Wheels are Sarven Patent, our own make, either 1-inch or 1 1/4-inch Tire as preferred. Oil tempered Springs. Body painted black. Gears either Carving or Brewster Green, handsomely finished and of the best material. Trimmed in either Imitation Leather, Cloth or genuine Leather.

Prices quoted are with Shafts. We absolutely guarantee that there is no wagon on the market to-day better than this at any price, while our low prices put it within the reach of all.

No. H-1290. Oscillating Gear Wagon, as above, two Solid Panel, full Spring Backs, Imitation Leather Trimming. Shipping Weight, Crated, 660 lbs. \$47 25

No. H-1291. Oscillating Gear Wagon, Cloth or Leather Trimming. Shipping Weight, Crated, 660 lbs. 49 75

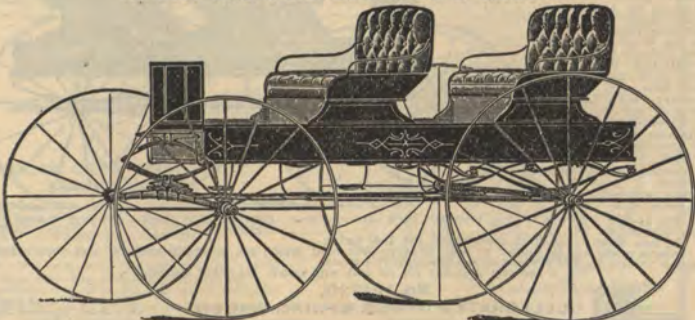
If 10-inch half backs are wanted, as per small cut, deduct 50c for each seat.

Can be furnished without the Oscillating Gear at the same price, either Arched or Drop Axle. 2 per cent. discount for all cash with the order. (No other discount).

Be sure and state whether you want wide or narrow track.

No. H-1300. Three-Seated Wagon, 1 1/4-inch Axles; Bed, 8 feet 4 inches long, 1 1/4-inch Tires, with Pole. Shipping Weight, 700 lbs. \$62 50

No. 380. HALF-PLATFORM SPRING WAGON.



This is a strong, substantial job, absolutely guaranteed to give you perfect satisfaction. Good honest work, good honest material. The very best of Hickory wheels, spokes and rims. Every wheel has rivets on each side of the spoke. Springs and axles are highly tempered and of the best spring steel. The axles are made from the best material. All in one piece, keep this in mind. Most of axles are welded in the center and often break. We guarantee that ours will not break.

Body—Frame Body with Yellow Poplar Panels, solidly braced with Iron Braces on each Standard; drop end gate, 7 feet long, 34 inches wide, round corners, iron covered. Gears—Best Seasoned Hickory, heavy double reach, ironed. Rear King Bolt Fifth Wheel. Wheels—Sarven, 1-inch or 1 1/4-inch thread; positively nothing but Selected and Seasoned Hickory is used for our Spokes and Rims. Rims riveted on each side of each Spoke. Axles—Double Collar, steel, 1 1/4-inch. Arched. Tires—Round edge steel, bolted between each Spoke. Springs—Open hearth; fully guaranteed steel. Trimming—Genuine Leather or Imitation Leather, Patent Leather Dash and two full Lazy Back Seats, or Solid Panel Spring Back, as desired. Painting—We take special pride in our finishing. Our work is filled in with lead and a solid foundation made for the varnish, so when finished, the varnish does not soak in and the gloss disappears. Body finished in Black. Gear, Brewster Green, Maroon, New York Red or Yellow.

PRICE LIST.

No. 380. Half Platform Spring Wagon, Imitation Leather Trimming, Full Panel Back, with Shafts. \$42 50

No. 370. Three Springs instead of Half Platform. 41 00

If Genuine Leather Trimmings are wanted on either add \$3.00 extra.

If Lazy Backs are wanted instead of Full Panel Backs, deduct \$1.00.

Pole in place of Shafts, \$2.25 extra. F. O. B. Alton.

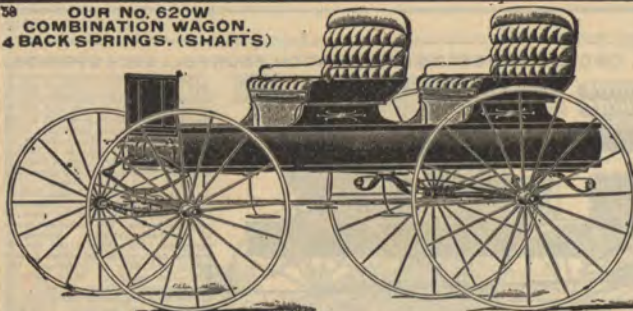
Set of 4, one inch Wheels, steel tires, without boxes, in the white. \$ 7 50

Set of 4, one inch Wheels, steel tires, without boxes, painted, striped and finished. 9 75

Set of 4, 1 1/4-inch Wheels, riveted rims, steel tires, in the white. 8 65

Set of 4, 1 1/4-inch Wheels, riveted rims, painted, striped and finished. 10 85

38 OUR No. 620W
COMBINATION WAGON.
4 BACK SPRINGS. (SHAFTS)



We guarantee there is not a Spring Wagon on the market to-day that can touch this with in ten dollars of this price. Note the description: Saven Patent Wheels, 42 and 44 inches high. 1x4-Inch Oval Edge Steel Tire. Axles, 1 1/2 inch double collar steel with front Axle capped.

BODY, 7 ft. long, 33 inches wide and 8 ins. deep. Notice the generous dimensions:

are also 1 1/4 inch, four leaf. Has Leather Dash, Double Reach, Full Platform Spring in the rear. Seats are re-
 black with either Carmine or Brewster Green Gears. Painting and finishing is strictly first-class. Full Rubber Trimmings
 generally called Imitation Leather.

No. 620W. Combination Wagon as above, with Full Panel Backs. Shipping weight, 500 lbs.....\$40.00

Six Post Canopy Top for No. 620W, complete with Side Curtains, Lined Top and Fringe \$14.00 Extra.

Outside Lever Brake for Light Wagons	4 00	"
Outside Lever Brake for Heavy Wagons	4 50	"
Foot Brakes for Light Spring Wagon	1 50	"

Outside Lever Brake for Heavy Wagons.....\$1.50 Extra | Foot Brakes for Light Spring Wagon \$.50 -
If 9-inch Open Backs are wanted, instead of the Full Backs, deduct \$1.00 per Wagon. If Genuine Full Leather Trimmings

are wanted, add \$2.50 per Wagon. If Pole in place of Shafts is wanted add \$2.50 per Wagon. If this same Wagon is wanted in 8-Spring like cut No. H-1340 below, order No. 600. Price the same in any style of trimmings.

Price on this Wagon is F. O. B. Alton, but to our customers east of Alton we will ship direct from the Factory, and allow you a rebate of \$2.50, saving you this amount, while the freight will be less than from here.

Described as follows:

BODY, 32 inches wide, 6 ft. 9 inches long. Full width tail gate. Body made of thoroughly seasoned timber, screwed, glued and plugged. Best hickory gears, bone dry.

AXLES. 1½ inch Double Collar Steel. Please note the extra large Axle used on this Wagon. Oil tempered Springs, easy riding.

WHEELS, Sarven Patent, either Inch or 1½-Inch Tire.

BODY is handsomely painted in black, with scroll ornament.

GEARS, Brewster Green or Carmine, handsomely finished.

Trimmed in Imitation
Leather.

Cloth or Genuine Leather, extra, \$2.00.

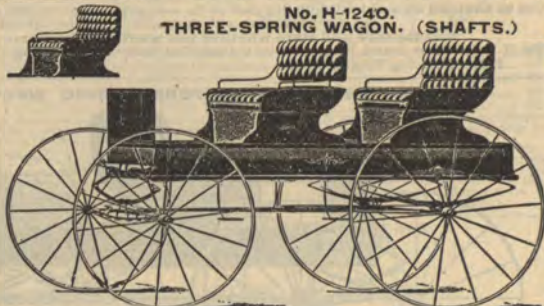
No. H-1240. 3-Spring Wagon, One-Half back on front Seat. Solid Panel on Back Seat; with Shafts. Shipping Weight, 550 lbs. \$39.50

If Two Solid Panel Seats are wanted, add \$1.00 Extra.

Above prices are in Rubber or Split Leather Trimming, which are generally used. If you want Genuine Leather Trimming, add \$2.00 extra, as there are two Seats.
2 per cent discount for all cash with order. No other discount.

No. H 1230

No. H-1240.
THREE-SPRING WAGON. (SHAFTS.)



No. H-1220.
CELEBRATED CROSS SPRING WAGON.



This is a Wagon that is very much admired for a low-priced Wagon. The Spring being very long is very easy riding, and hung in our patent Shackles is equal to any Spring made. The Wagon is more particularly described as follows:

BODY 32 inches wide, 8 ft. 9 inches long, with full width tall gate. Is made of the best selected lumber, bone dry, screwed, glued and plugged. Has 1-inch Double Collar Steel Axle. Sarven Patent Wheels, either $\frac{1}{2}$ or 1 inch Tires. BODY painted Black. GEARS Brewster Green or Carmine. Trimmed in either Imitation Leather, Cloth or Genuine Leather. Prices as follows:

No. H1230. As described above, Shipping Weight, Crated, 500 lbs. \$35.00
If Solid Panel Spring back seat is wanted on front seat, add 50c. If half back is wanted on rear seat.

If Genuine Leather or Cloth Trimmings are wanted, add \$2.00. 4-per cent discount for all cash with

order. No other discount.

WORDEN, Kas., April 21st, 1900.—Haggood Plow Co., Alton, Ill.—Gentlemen: I received my No. 420 buggy all O. K. and it is just what I want, and it is a buggy that takes the girls' eyes, and everybody that saw it says that it is a dandy and you will receive more orders from here.
C. C. SCHWARTZ.

No. 580W. DELIVERY OR MARKET WAGON, (SHAFTS.)



Strictly first-class Wagon, described as follows:

WHEELS, Sarven Patent, 42 and 46 inches high. 1½ inch Oval Edge Steel Tires, 1 1-16 inch Double Collar Steel Axle. SPRINGS, Front, 1½-inch Five Leaf; Side, 1½-inch Four Leaf; Cross Springs, 1½-inch Five Leaf. BODY, 7 feet long, 38 inches wide, 8 inches deep. Please note the generous dimensions. The extreme width is particularly desirable. This Wagon Bed is built with steel corners, falling end-gate. Canvas Duck Trimmings. BODY painted Black, with Gears either Carmine, Yellow or Coach Green. Note our low prices:

No. 580W. As described above Shipping Weight, 480 lbs. \$37 50
No. 581W. Same Wagon with 1½-inch Gears 520 lbs. 40 00

We can furnish this same wagon with three springs, in either size Gears.

2 Per Cent. Discount for all Cash with order. (No other discounts.)

Top Rubber Trimmings, Frame to slide in Bed. For above Wagon, \$23.00 extra.

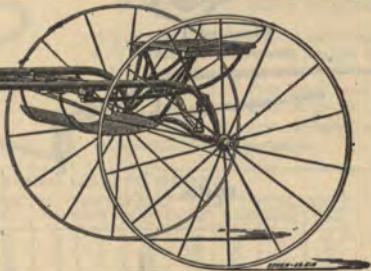
4A. ROAD CART WITH TIGHT FOOT RACK.

Steel seat support; long spring shackles; low bent seat arms; painted red, wine, green or natural wood finish; for two passengers; wheels, 4 feet; oil tempered springs; erimped tire: 1 inch double collar steel axle.

No. 4A. Tight Foot Rack, shipping weight, 150 lbs. \$12 50

No. 4B. Slat Foot Rack, shipping weight, 150 lbs. 11 00

No. 10X. Wood riser from spring to seat, arms not built quite as low as on No. 4A; ship. wt., 150 lbs, 10 00



No. 3X Phaeton Cart, as per cut and description. Has 1 inch Double Collar Steel Axle, Sarven Patent Wheels of selected northern hickory, oval edge Tire, Black Body, Carmine Gears, Rubber Trimmings, Four Leaf, oil tempered Spring, good hickory Shafts. Shipping weight, 150 lbs.

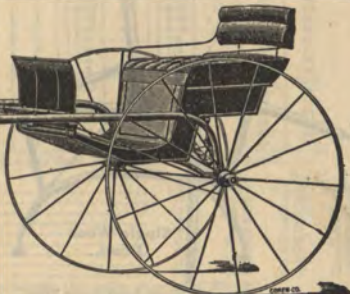
Price \$13 00

The best cart ever offered at this price.

Net Cash. No discount of any kind.

No. 12. Large roomy body, solid seat panels, patent curved front dash. Sarven patent wheels on all carts similar to cut. Shipping weight, 150 lbs. \$17 50

No. 17. Box under seat, wood dash. Shipping weight, 150 lbs., same style as above 15 50



.... BARGAINS IN

CARRIAGE POLES AND BUGGY SHAFTS.

We guarantee all of our work to be of the best selected hickory, well seasoned and well ironed, top and bottom, with Wrought Iron and Steel, and complete with our New Safety Tip. No extra charge. Our Motto: To make the Best, consequently we are also the cheapest, as

THE BEST IS ALWAYS THE CHEAPEST.

See Our Low Price.

	Regular Price.	White.	Painted.
No. 1. Buggy Pole, 1½x2, either style, see cuts.....	\$3 00	\$3 25	\$3 75
No. 2. Surrey or Carriage Pole, 1½x2½, either style, see cuts.....	6 50	8 50	4 00
No. 3. Spring Wagon Pole, 2x2½, either style, see cuts, heavy ironed	8 75	8 75	4 25
No. 4. Heavy Spring Wagon Express Pole, 2½x2½, either style, see cuts.....	4 00	4 00	4 50
No. 5. Light or Buggy Shafts, 1½x1½, either Ferrule or Sword End Single-tree, see cuts	4 00	2 15	2 50
No. 5½. Extra Buggy Shafts, 1½x1½, either Style.....	4 50	2 40	2 75
No. 6. Medium or Wagon Shafts, 1½x2, either style, see cuts	5 00	2 60	3 00
No. 7. Heavy Wagon Shafts, 1½x2½, either style, see cuts	3 00	3 00	3 50

Price of Pole includes Doubletrees, Singletrees, Neck Yoke and Reever Straps.

All Painted Poles have three coats of paint and varnished, and applied by the best workmen. Striping, any color, 15 cents extra.



Patented Tip.
This costs 35c net extra.



Shafts.



New Safety Tips used on all our Poles free.

STRAPLESS POLES.



Patented.

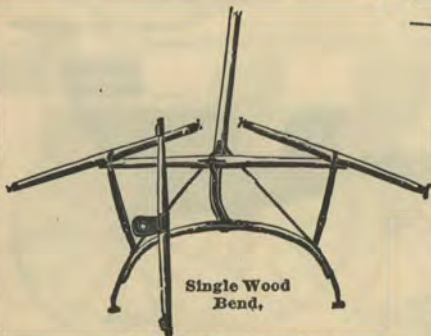
TALK ABOUT

Strapless Poles.

Over 50,000 now in use.

Do You See the Point?

Then you'll want no others. Your choice either ferrule or sword end Singletrees. Complete with Neck Yoke—no straps; don't use them. Same price as above.



Single Wood Bend,

Double Wood Bend Same Price.

THIRD PERSON BUGGY SEATS.



Pat. March 19, 1895.

This bracket is bolted to the buggy seat frame beneath the cushion.

We show here two styles of Third Person Buggy Seats—something that we believe will meet a long-felt want. The top of the round seat is made of hard wood, highly finished, 10 inches in diameter. The Standards and Brackets are made of the best steel and malleable iron, nicely finished, and will support a person weighing 300 lbs.

The left-hand cut shows the same brackets and standards, but with a square seat and lazy back, enabling a child to sit up comfortable and independent of any one else in the Buggy Seat. It will also be noted that the lazy back has loops to which two coil springs can be attached, so that it can be used as a Baby Swing or Baby Jumper. Our low prices put this within the reach of all, and it certainly will be considered an absolute necessity and a luxury where more than two are riding in a Buggy.



Pat. Mar. 19, 1895



Weight

3 1-2 lbs.

No. 1, Round Seat	\$1 00
No. 2, Square Seat with Lazy Back; Complete, as shown	1 65
No. 3, As shown, but without Standard, to use for Baby Swing	1 40
No. 4, as above, with two Coil Springs for Baby Jumper	1 75

Can be shipped with any of our Buggies, or with any of our goods, direct from Alton and save any expense for transportation. It will be observed that this third seat is in front of the regular seat, and in no way interferes with the comfort of the other two passengers.



NEW I. D. FOLDING SEAT.

The accompanying cut shows how it is used, and makes an ordinary vehicle comfortable for three people. Weighs only 3 lbs. Carries 500 lbs. Needs no fastening. Lasts a lifetime. Can be folded up and put away with the Curtains. Makes a handsome ottoman or foot rest for the house. Makes a nice seat for a child at the table placed on an ordinary chair. You want one. Two is company but three is never a crowd with this Seat. Price, Enamelled Frame, Upholstered in Tapestry Brussels 90c.

OUR PATENT SPRING.

Requires only FOUR BOLTS, while the old style Wagon Spring now used requires Eight Bolts, Four Pieces of Wood, Two Washer Plates, Four Hangers, Four Rivets, and Two Elliptic Springs. Price, 75 cts. per set.

Order shipped with your other goods and incurs nothing for transportation.

BUGGY WHEELS AND HOW TO ORDER.



Style No.	No. of Spoke	Size of Hub.	Length of Hub.	H.M.		H.HIGHT.	
				Depth	Tread	Front.	Rear.
10	0	1	6 1/4	1 1/4	3/4	38	43
11	0	1	6 1/4	1 1/4	3/4	36	40
12	0	1	6 1/4	1 1/4	3/4	34	38
13	0	1	6 1/4	1 1/4	3/4	32	36
20	1	1 1/4	6 1/4	1 3/8	3/4	40	44
21	1	1 1/4	6 1/4	1 3/8	3/4	38	42
22	1	1 1/4	6 1/4	1 3/8	3/4	36	40
23	1	1 1/4	6 1/4	1 3/8	3/4	34	38
24	1	1 1/4	6 1/4	1 3/8	3/4	32	36
25	1	1 1/4	6 1/4	1 3/8	3/4	30	34
26	1	1 1/4	6 1/4	1 3/8	3/4	28	32
27	1	1 1/4	6 1/4	1 3/8	3/4	26	30
28	1	1 1/4	6 1/4	1 3/8	3/4	24	28
29	1	1 1/4	6 1/4	1 3/8	3/4	22	26
30	1	1 1/4	6 1/4	1 3/8	3/4	20	24
31	1	1 1/4	6 1/4	1 3/8	3/4	18	22
32	1	1 1/4	6 1/4	1 3/8	3/4	16	20
33	1	1 1/4	6 1/4	1 3/8	3/4	14	18
34	1	1 1/4	6 1/4	1 3/8	3/4	12	16
35	1	1 1/4	6 1/4	1 3/8	3/4	10	14
36	1	1 1/4	6 1/4	1 3/8	3/4	8	12
37	1	1 1/4	6 1/4	1 3/8	3/4	6	10
38	1	1 1/4	6 1/4	1 3/8	3/4	4	8
39	1	1 1/4	6 1/4	1 3/8	3/4	2	6
40	1	1 1/4	6 1/4	1 3/8	3/4	0	4
41	1	1 1/4	6 1/4	1 3/8	3/4	0	2
42	1	1 1/4	6 1/4	1 3/8	3/4	0	0
43	1	1 1/4	6 1/4	1 3/8	3/4	0	0
44	1	1 1/4	6 1/4	1 3/8	3/4	0	0
45	1	1 1/4	6 1/4	1 3/8	3/4	0	0
46	1	1 1/4	6 1/4	1 3/8	3/4	0	0
47	1	1 1/4	6 1/4	1 3/8	3/4	0	0
48	1	1 1/4	6 1/4	1 3/8	3/4	0	0
49	1	1 1/4	6 1/4	1 3/8	3/4	0	0
50	1	1 1/4	6 1/4	1 3/8	3/4	0	0
51	1	1 1/4	6 1/4	1 3/8	3/4	0	0
52	1	1 1/4	6 1/4	1 3/8	3/4	0	0
53	1	1 1/4	6 1/4	1 3/8	3/4	0	0
54	1	1 1/4	6 1/4	1 3/8	3/4	0	0
55	1	1 1/4	6 1/4	1 3/8	3/4	0	0
56	1	1 1/4	6 1/4	1 3/8	3/4	0	0
57	1	1 1/4	6 1/4	1 3/8	3/4	0	0
58	1	1 1/4	6 1/4	1 3/8	3/4	0	0
59	1	1 1/4	6 1/4	1 3/8	3/4	0	0
60	1	1 1/4	6 1/4	1 3/8	3/4	0	0
61	1	1 1/4	6 1/4	1 3/8	3/4	0	0
62	1	1 1/4	6 1/4	1 3/8	3/4	0	0
63	1	1 1/4	6 1/4	1 3/8	3/4	0	0
64	1	1 1/4	6 1/4	1 3/8	3/4	0	0
65	1	1 1/4	6 1/4	1 3/8	3/4	0	0
66	1	1 1/4	6 1/4	1 3/8	3/4	0	0
67	1	1 1/4	6 1/4	1 3/8	3/4	0	0
68	1	1 1/4	6 1/4	1 3/8	3/4	0	0
69	1	1 1/4	6 1/4	1 3/8	3/4	0	0
70	1	1 1/4	6 1/4	1 3/8	3/4	0	0
71	1	1 1/4	6 1/4	1 3/8	3/4	0	0
72	1	1 1/4	6 1/4	1 3/8	3/4	0	0
73	1	1 1/4	6 1/4	1 3/8	3/4	0	0
74	1	1 1/4	6 1/4	1 3/8	3/4	0	0
75	1	1 1/4	6 1/4	1 3/8	3/4	0	0
76	1	1 1/4	6 1/4	1 3/8	3/4	0	0
77	1	1 1/4	6 1/4	1 3/8	3/4	0	0
78	1	1 1/4	6 1/4	1 3/8	3/4	0	0
79	1	1 1/4	6 1/4	1 3/8	3/4	0	0
80	1	1 1/4	6 1/4	1 3/8	3/4	0	0
81	1	1 1/4	6 1/4	1 3/8	3/4	0	0
82	1	1 1/4	6 1/4	1 3/8	3/4	0	0
83	1	1 1/4	6 1/4	1 3/8	3/4	0	0
84	1	1 1/4	6 1/4	1 3/8	3/4	0	0
85	1	1 1/4	6 1/4	1 3/8	3/4	0	0
86	1	1 1/4	6 1/4	1 3/8	3/4	0	0
87	1	1 1/4	6 1/4	1 3/8	3/4	0	0
88	1	1 1/4	6 1/4	1 3/8	3/4	0	0
89	1	1 1/4	6 1/4	1 3/8	3/4	0	0
90	1	1 1/4	6 1/4	1 3/8	3/4	0	0
91	1	1 1/4	6 1/4	1 3/8	3/4	0	0
92	1	1 1/4	6 1/4	1 3/8	3/4	0	0
93	1	1 1/4	6 1/4	1 3/8	3/4	0	0
94	1	1 1/4	6 1/4	1 3/8	3/4	0	0
95	1	1 1/4	6 1/4	1 3/8	3/4	0	0
96	1	1 1/4	6 1/4	1 3/8	3/4	0	0
97	1	1 1/4	6 1/4	1 3/8	3/4	0	0
98	1	1 1/4	6 1/4	1 3/8	3/4	0	0
99	1	1 1/4	6 1/4	1 3/8	3/4	0	0
100	1	1 1/4	6 1/4	1 3/8	3/4	0	0

PRICES ON WHEELS PER SET (4.) & Per Cent. Discount For Cash with Order.

GRADES.	A	B	C	D
W. H. in the white	\$ 9 25	\$ 8 50	\$ 8 00	\$ 7 50
In the white, tired	10 40	9 40	8 75	8 25
Painted and tired	14 00	13 75	11 50	10 75
1 1/4 inch, in the white	9 50	7 25	6 25	5 50
1 1/4 inch, in the white, tired	10 50	8 50	7 50	6 75
1 1/4 inch, painted and tired	15 25	13 65	12 25	11 50
1 1/4 inch, in the white, 5-16 Tire	10 25	9 75	8 75	8 00
1 1/4 inch, in the white, tired, 5-16 Tire	12 25	10 50	9 50	9 10
1 1/4 inch, painted and tired, 5-16 Tire	16 75	14 50	13 25	12 40

Tire is 1/4 inch thick, oval edge, bolted between each spoke, except on 1 1/4 inch wheels.

IT WILL BE HOT NEXT SUMMER, 61 AND WILL ALSO RAIN,

But you will not mind it if you will use one of our handsome umbrellas on your wagon seat. It is not a luxury. Why expose yourself to danger of being overheated when you can be comfortable at a little cost. It is strong and well made, keeps out the sun and rain. The frame is made of 8 tempered steel ribs, 1/4-inch and fixtures. The handle is 1 1/2-inch white ash, oiled and varnished; no cheap affair. The seat fixtures are strong and substantial. Coverings of heavy duck waterproof, five feet across.

Price with either Wagon or Implement Fixtures, either with rattan or 5 steel ribs, 3-16 inch, each.....\$1 65
2 in one order.....3 10
5 in one order.....4 60

For both sets of Fixtures, add 30c extra. See cut below.

The cut below at left shows Umbrella with attachment to be used on the seats of agricultural implements.

These attachments are extra, 30c.



Keep
Kool.



You Want
One of
These.

Keep
Kool.

This cut shows our large Advertising Umbrella. All have eight ribs, the space between being used for our advertisement. They are made in white, blue and brown 5-oz. duck, and are strong and well made, and in order to attract the attention of our farmer friends and show them that we are the only plow factory in the United States selling all the goods of our own manufacture direct to the consumer at

wholesale prices, as well as Buggies, Harness, Sewing Machines, and in fact every implement used on the farm, we will furnish these Umbrellas at less than cost to all parties who will agree to use them as conspicuously as possible, and who will call the attention of their neighbors and friends to our method of doing business.

The price of these would be \$1.25 each. Terms, cash with the order. Orders should be placed early. A discount of 10c each on all orders of 5 or more in one order

BARGAINS IN BUGGY AND SURREY TOPS.

All tops will be shipped Three-Bow, and with Green Cloth Linings unless otherwise ordered.

Have Steel Bow Sockets, Metal Buckle Loop, Concealed Joints between Back Bows, Thomas Props, Top nicely padded, Wrought Iron Joints and Japanned Adjustable Shifting Rail with Curtains.

No. 100. 15-oz. Rubber, 3 or 4-bowed top, blue or green cloth lining.....\$5 50
No. 200. Imitation Rubber, 3 or 4-bowed top, blue or green cloth lining.....7 95

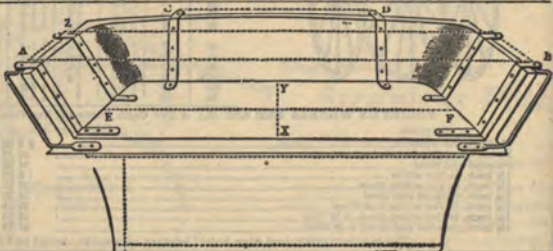
No. 250. 20-oz. Rubber, 3 or 4 bowed top, blue or green cloth lining, dust pockets.....9 10
No. 260. Split leather quarters and back stays, 20-oz. rubber roofing and cushions, blue or green cloth lining.....11 35
No. 300. Cushions; Imitation leather, plain, without fall, \$1.55; with fall.....1 70
No. 340. Cushions; Imitation leather, biscuit pattern, without fall, \$1.75; with fall.....2 10
Cushions 14 to 15 inches wide, 24 to 32 inches long. Larger sizes extra.

No. A. First Quality Drill Top, Leather Grained Finish.....\$7 25
No. B. Good Rubber Top.....5 25
No. C. Select Leather Quarter Top.....9 55
Complete with Shifting Rails and Side Curtains. We guarantee that these three tops cannot be duplicated any place for the money.

For tops, give measurements from center to center of holes in irons, as shown by dotted lines on top of seat.
For Lazy Backs with irons, give the same measurements.
For Cushions with balls, as shown by lines on bottom of seat and fall.

ORDER ALL GOODS
BY NUMBER.

Extension and
Canopy Tops
Quoted on
Application.



SILVER CITY, IA., April 29, 1897.—Gentlemen: Will send you a list of our Grange Secretaries in a few days. All of your goods sold to the Grange have given perfect satisfaction. The Wagon you sent me is the best running wagon in the county.

Signed,

A. B. JUDSON Master State Grange, Silver City, Ia.

WE HAVE THE BEST WAGON ON EARTH!



AND WE SELL IT DIRECT
TO THE FARMER AT
WHOLESALE PRICES.

We know from personal experience that this wagon is equal to any on the market, having sold large numbers in the last five years, and we have not had a single complaint or a single request for repairs. A most remarkable record. This wagon is made by men who have been reared in the business. Nothing but the best selected stock used, thoroughly seasoned for two years before used. The Axles are of the

TRY ONE. IT
TAKES THE CAKE
EVERYWHERE.

best selected tough hickory, no cheap maple, pecan or rock elm used as in cheaper wagons. Tough hickory single trees, double trees and neck-yokes. Guaranteed A-Grade selected white oak hubs, spokes, felloes, tongues, reaches and bolsters, absolutely bone dry.

The Wheels are made on the right principle, every felloe joined, sawed and accurately fitted before the tires are set.

The Wheels are made in the white and stand for months before being ironed, absolutely guaranteed, therefore, to be thoroughly seasoned. The Wheels are all bolted in hot linned oil before being painted. A good heavy tire is put on and shrunk in such a manner that we have absolutely never had a complaint of loose tires in five years.

In addition to our tough hickory axle we have an improved truss skin, consisting of a flat piece of steel fastened underneath and connected by cuff bands at the shoulder with the skeins, which greatly strengthens the axle.

It is completely ironed in every detail. The box is the best of seasoned timber, with tongued and grooved bottom, double thickness where it rests on the bolsters.

The Painting is very fine. We use nothing but the best quality of Paint. The Gears are painted Red and the Body Green, and handsomely striped. We absolutely guarantee our Paint in quality and finish, as well as striping and Varnish to be of the best material, and equal to any Wagon on the Market. We can furnish our Special Hagwood Wagon painted in imitation of natural oak grained wood, in natural finish, after a design of our own for \$1.50 Extra. This Wagon you would think was painted for a Display at a Fair, it is so handsome.

Its light running qualities and durability is guaranteed equal to any wagon on the market. Furnished with round or square bounds. Two box straps in the center of each side of the bed; iron on top of bolster, two braces and step on the outside, foot rest in front, spring seat with lary back, box brake, patent end gates, eveners, neck-yoke and stay chains, and we repeat again that it is the best wagon on earth to-day. Look at our prices:

Priced on Wagons Net Cash with order.

WIDE OR NARROW TRACK—BE SURE TO STATE.

Actual Weight.	Size of Skein.	Size of Tire.	Height of Wheels.		Dimension of Body—Outside Measure.						Estimated Capacity on Good Roads.	Price Complete, with Bed Brake and Spring Seat.	For Extra Wagon Boxes.
			Front.	Hind.	Length.	Width.		Lower Board.	Top Board.				
						Narrow Track.	Wide Track.						
825	2½ x 8	1½ x 2	8 ft. 8 in.	4 ft. 5 in.	10 ft.	3 ft. 2 in.	3 ft. 7 in.	12 in.	4 in.	1500	\$45 00	\$ 8 75	
950	2¾ x 8½	1½ x 2-15	8	4 6	10	6 in.	3	7	12	10	2000	45 00	9 00
1050	3 x 9	1½ x 2-8	8	4 6	10	8	3	7	14	10	3000	47 00	10 00
1150	3½ x 10	1½ x 2-8	8	4 6	10	8	3	7	12	12	4000	49 00	11 00
1275	3½ x 11	1½ x 2-8	8	4 6	10	8	3	7	12	12	4000	52 00	12 00

Owing to the very close margin on which we have to handle Wagons to off-set the difference between car and local freights, because of their weight, our prices will be strictly Cash with order, no discounts of any kind.

Notice that our price on Wagons includes Bed Brake and Spring Seat with Lary Back, Truss Skeins, Compound End Gate, Side Braces on the Bed, Round or Square Edge Tires, Slip or Band Couplings. We mention this because a great many parties quote prices without Brake or seat, and our friends are misled when they compare with our prices.

California Roller Brake in place of Bed Brake add \$5 50

For Hedgecock Patent Front Gear Brake add 3 50

Steel Skeins in place of Cast Skeins up to 3 in., extra 8 00

For Extra Wide Tires add \$4.00 an inch. Same wagon without Truss Skeins or Patent End Gate, \$1.00 less.

Gear Brake in place of Bed Brake.....extra, \$1 75

Steel Skeins in place of Cast Skeins, 3 1/2 in....." 8 75

Steel Skeins in place of Cast Skeins, 3 3/4 in....." 6 00

PRICE LIST.

Extra for Top Locks and Anti-Spreader Rods on

Wagon Beds.....\$ 50

Low or Regular Size Wheels with Wide Tires, 2 1/2 x

3/4 in., extra.....4 00

Low or Regular Size Wheels with Wide Tires, 2 1/2 x

3/4 in., extra.....\$ 60

Chain Feed Box.....\$ 1 00

Staples, per set.....45

Bows, per set (5).....00

In ordering Extra Beds give distance between standards.

Extra Wheels, per set, 2 1/2 inch, \$19.00; 3 1/4 inch, \$19.50; 4 inch, \$20.50; 5 1/4 inch, \$21.50; 6 1/4 inch, \$22.50.

The selling price of a Brake or Seat includes the cost, expense of selling and shipping, and when deducted from the price of a complete wagon the manufacturers will allow the cost, so if Seats and Brakes are liable to be wanted at any time, it is best to buy them with the wagon. For price of Wagon Sheets or Covers see page 65.

Extra Wagon Boxes (no Brake or Seat). Extra Boxes painted green only.....\$ 8 75
Price of Gears only, with Wiffle-trees, Neck-yoke and Stay Chain.....\$ 6 00

Weight of Gears, etc., 600 lbs. Weight of Box (no Brake or Seat), 200 lbs. Extra Spring Seats, with Lary Back \$2.00; no Lary Back, \$1.50. Extra Bed Brakes, \$2.00. Extra Gear Brakes, \$4.00. Deduct for Box Brake when not wanted, \$1.65; for Spring Seat, \$1.65. Price of extra Top Boards, 6 in., \$2.00; 8 in., \$2.25; 10 in., \$2.50; extra Seat Raisers, 50 cents. Price of Feed Box, \$1.00. Price of Bows, 65 cents. Price of Staples, 50 cents. Price of Sheet (give size), see page 65.

NOTE.—Remember that our Hagwood Wagon has been built to demonstrate how good a wagon can be made. It is complete in every detail, regardless of price, intended for customers who want the best and not the cheapest. We are making lower prices on Wagons than any concern on earth, and better goods. We have been selling this Wagon to the farmer direct for over six years, and in that time we can truthfully say that we have not had more than three complaints, and those were only minor matters. We have absolutely been surprised ourselves to find that it is possible to build a Wagon as near perfect as this and it shows that everything we claim for it, and for the material used, is fully up to our description. We could furnish hundreds of testimonials like those shown. We are headquarters for Wagons. Compare our prices with others.

ARLINGTON, TEX., Oct. 20, 1896.—Hagwood Plow Co. Alton, Ill.—Gentlemen: I received the Hagwood Wagon and am well pleased with it. Everything came all O. K. and the farmers are getting their eyes open over this wagon. It is the best one I ever saw in this part of the country. The sewing machinings are giving perfect satisfaction. Signed, A. A. LOVEN.

HAPGOOD FARM TRUCK.

All Steel except Tongue and Reach. 10 ft. Adjustable Reach.

Wide or Narrow Track.
Guaranteed
to Carry Two Tons.
Weight,
560 pounds. No Bolts
or Nuts Used.

The factory is making this Truck only, and do not make wagon boxes, brakes or eveners. We can furnish them, however, from our Wagon Factory.



The Truck for all Climates, 30 and 34-in. Metal Wheels, with 4-in. Tire and Removable Boxes

Its construction and design combines the greatest strength, durability, simplicity and lightness. It is the best thing on the market for the hauling of steel track, and we solicit comparison with anything else there is made. It is the truck for all climates. The front axle and bolster, and the rear combined axle and bolster, are made of two pieces of sheet steel, sheared and flanged to form. They are fastened together by rivets formed out of one of the plates forced into corresponding openings in the second plate and then riveted. The axles are hollow and less liable to break than when solid. We absolutely guarantee them not to break in cold weather. There is not a bolt, nut or clamp to work loose, while the bounds and all other parts of the truck are absolutely free from wear by the use of the removable steel skain shown in the cut. This can be easily taken off and another one put on by any one at half the cost of replacing cast skains, as the pitch and gather are never affected. The axles are practically everlasting. The 10-foot adjustable reach allows the truck to be lengthened to accommodate an ordinary hay rack. Our wheels are absolutely the best made, either staggered or straight. Unless particularly mentioned, we will send staggered spoke wheels 30 and 34 inches in diameter, 447-100 and 447-1000, and 36 inch spokes, and we guarantee our Metal Wheels made of steel to be superior to anything in the market. We guarantee this truck to please you in every respect, and hope to be favored with your order, especially at our very low price.

Farm Truck, Shipping Weight, 475 Lbs.

Farm Truck, Shipping Weight, 476 Lbs.		Reduced Price.
Two 20 and two 34-inch Staggered Spoke Wheels, no Neckyokes or Hveners		\$45 00 \$31 50
Two 22 and two 30-inch " " " " " "		\$7 50 \$3 00
Two 24 and two 28-inch " " " " " "		\$6 00 \$2 00

Straight Spoke Wheels the same price when ordered. 4 Per Cent. Discount for all Cash with Order.



The length and taper of axle varies in different makes of wagons, and even different wagons of same make, so you must give every measurement called for in diagram with each set of Wheels ordered. These measurements should be taken with



care. Take exact measurements. We will make all allowances.

WARRANTY. All wheels are warranted for one year against defective material or workmanship. Any wheel proving defective as above we will repair or furnish new wheels at our works free.

Why Our Metal Wheels Are Better Than Wood.

Will last a lifetime. Saves all the cost of resetting tires. Makes all the work of the farm lighter. Will last as long as other parts of the wagon. Will avoid all the annoyances of breaking down, as wooden wheels do, when most needed. Saves labor, time and money. Makes life last longer, and more enjoyable while it lasts. Narrow tires kill the road. Wide tires are more comfortable. Wagon equipped with low wheels and broad tires, can do as much hauling as two men, two teams, and two wagons with narrow tires, and do it easier. It costs less to lift a load of any kind two feet than to lift it one foot. It is not necessary to build a load with wide tires. Metal Wheels save one-third the labor, one-third the time, all the expense of resetting, and have so many advantages that must be apparent to the one fact of being so much nearer the ground than more than one-half the resistance that narrow tires must overcome. A four-inch tire under conditions that would let the two-inch tire down a four-inch hole, will pull a guinea and rate, while the two-inch tire will pull only a penny. Metal wheels will last a lifetime while it is quite likely the tone set of our metal wheels will increase the life of the wagon.

ALL THE ABOVE CONSIDERATIONS have no doubt operated to bring about the growing demand for Metal Wheels for farm wagons and trucks, but there are other reasons why our wheels are better than all others.

Our wheels have 14 spokes with a 4x7-16 tire; other wheels have only 1/2 tire. Other wheels have only 10 spokes on their 30-inch wheels, 12 spokes on their 34-inch wheels, and 14 spokes on their 38-inch wheels. We use 14 spokes on all wheels.

All our wheels are made according to specifications. Other manufacturers make wheels of standard size, so that if your axles are worn you do not get a good fit, while our wheels fit the axle, no matter how much they are worn.

We also furnish these wheels with boxes at \$1.00 extra a set. Other makes of wheels have no boxes at any price. Our Wheel is a Staggered Spoke Wheel, which is much better than any straight spoke wheel made, and stronger. Straight spoke wheels cost less, but our Staggered Spoke Wheels are worth three dollars more, and cost but a few cents more.

SEE OUR PRICES FOR THE BEST WHEEL MADE.

94	inch	Wheels,	Staggered	Spokes,	4x½"	Tire,	wt.	70	lbs.,	\$3.50
98	"	"	"	"	"	"	"	77	"	3.75
100	"	"	"	"	"	"	"	80	"	3.90
102	"	"	"	"	"	"	"	84	"	4.00
104	"	"	"	"	"	"	"	88	"	4.25
106	"	"	"	"	"	"	"	92	"	4.40
108	"	"	"	"	"	"	"	96	"	4.75

Add for boxes in Staggered Spoke Wheels, \$1.00
 a set extra. Not used in Straight Spoke Wheels.
 Lower prices quoted on application.

Add for boxes in Staggered Spoke Wheels, \$1.00
a set extra. Not used in Straight Spoke Wheels.
Larger sizes quoted on application.

THE FARMERS' LOW-DOWN "DANDY" WAGON.

65

A glance at the cut is all that is necessary to show any practical farmer the advantage of a low wheel wagon. A few of its advantages are as follows:

One man can load heavy objects on this wagon, where it would take two for an ordinary wagon. It has wide tires, consequently runs easy: steel wheels save repair bills. It makes good roads instead of cutting them up. It is strong and handy, and at our price, dirt cheap. It makes short turns and does not cut up the barn yard. Wet or dry, hot or cold, the wheels are always ready. No tires to set. Thousands of these wagons are in use and giving the most perfect satisfaction. We guarantee that if used once you will never wish to hitch to a high wheel wagon again.

OUR GUARANTEE. We guarantee both wagon and wheels for one year, and will repair or replace any part of either found defective within that time free of charge when returned to the factory. The timber used is well seasoned and is guaranteed to be over two years old.



PRICE LIST ON DANDY FARM WAGONS.

4 per cent discount for all cash with order. (We will number them for convenience in ordering.)

No.	1.	2.	3.	4.	5.	6.	24-inch Front Wheels,	30-inch Hind Wheels,	4x3-8 Tires,	Shipping Weight,	500 lbs.		
							32	32	4x3-8	530			\$23 65
							34	34	4x3-8	560			24 75
							36	36	4x3-8	600			25 65
							38	38	4x3-8	625			26 75
							40	40	4x3-8	650			27 65
									4x3-8				28 75

For 5-inch tires add \$1.00 extra per wagon. 6-inch tires add \$2.00 per wagon. Brake on gear, extra, \$4.00 Doubletrees, singletrees, stay chains and neck yoke, add \$2.25 extra. If shafts are wanted in place of tongue, add \$1.75. If both shafts and tongue are wanted, add \$4.00.

The above cut shows the wagon with Rear Hounds, which are \$1.00 extra on any of the wagons. Prices above are without Hounds.

The regular coupling pole is 9 feet 4 inches long, but can furnish up to 12 feet without extra cost. The size of the skains is 3 1/2 x 10. Will hold all two horses can pull. The distance between Bolster stakes is 3 feet 2 inches on narrow track, 3 feet 6 inches on wide track wagons. Stakes are movable and can be adjusted to any width. Give width of your wagon box so we will know how wide to make the Bolsters. Always state whether you want Wide or Narrow Track Wagon.

Prices quoted are without brake, doubletrees, neck yoke or stay chains.

These wagons take third class freight, which makes the freight very low.

Axles made of the best hickory, thoroughly seasoned. Bolsters, coupling pole and tongue are made of the best oak.

The stakes are oak and well ironed.

As a great many farmers desire to use these as regular wagons, with the regular wagon boxes, we can furnish the same as follows: Complete wagon box, without brake or Seat, 10 1/2 feet long, 24 inches deep; lower box, 14 in. deep, top box, 10 in., \$11.00. Without the 10-inch top boards, \$9.00. Ratchet Brake, extra, \$1.75. Spring Seat, extra, \$2.25. Guaranteed to be well finished, well painted, varnished and striped.

Complete descriptive Catalogue sent on application.

COMPARATIVE TESTS OF WIDE TIRES AND NARROW TIRES.

First, on clay roads with mud deep, 3200 lbs. on wide tires pulled as easy as 2,000 lbs. on narrow tires.

Second, gravel roads, 2482 lbs. same draft as 2,000 lbs. on narrow tires. The advantage is from 17 to 100 per cent. by actual dynamometer test in all conditions. All of the advantages we claim for the metal wheels on page 63 also apply to our Low-Down Dandy Wagon.

Prices of the Dandy Metal Wheels. The price is for each wheel, not a set. Hind Wheels are generally ordered 4 inches higher than front wheels.

Weights given are for 3 inch tires. Other sizes will be from 6 to 12 lbs. per inch in width of tire heavier, depending on the size, which will be near enough for all practical purposes.

WHEELS.

Size, Inches.	Weight, lbs.	Height, in., each.	3-inch Tire.	4-inch Tire.	5-inch Tire.
20	51	20	\$2 60	\$2 75	\$3 25
24	57	24	2 75	2 95	3 45
28	65	28	2 95	3 20	3 65
30	68	30	3 10	3 25	3 75
32	71	32	3 25	3 50	3 95
34	77	34	3 50	3 75	4 25
36	81	36	3 75	3 95	4 40
38	84	38	3 80	4 00	4 45
40	101	40	4 00	4 25	4 75
42	105	42	4 25	4 50	5 00
44	109	44			

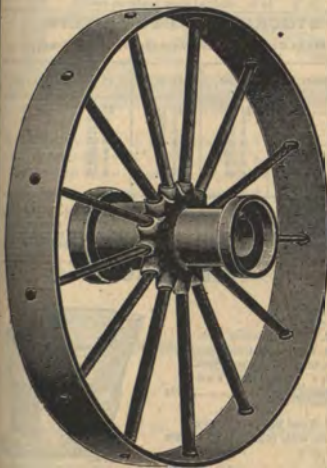
4 per cent discount for cash with order.

Larger sizes not generally recommended. Straight or Staggered Spoke Wheels at the same price.

Wagon Skains from 2 1/4 to 3 inch, 50 cts. each. \$1.75 a set of 4.

Wagon Skains from 3 1/2 to 3 3/4 inch, 65 cts. each. \$2.40 a set of 4.

GUARANTEE.—These Metal Wheels are strictly first-class, built of best material; guaranteed to stand up under all ordinary work about a farm for which Metal Wheels are used. All wheels guaranteed for one year against defective material or workmanship, and if defective will be repaired or replaced with new wheels when returned to us.



Complete with Poles, Pins, etc. 65
List Prices.



Present Price 45 per cent discount from above on all lists below \$20. 45 and 5 per cent discount on all above. We do not quote Net Prices in catalogue, as prices will probably be lower soon and it is easier to change the discount. Special price made on large sizes. Can furnish any size. Prices subject to change, but guaranteed to be less than any other house at all times.

We are prepared to supply you every want in this class of goods. This page will give you prices on the articles usually wanted, but if you do not find what you want here, we will be pleased on receipt of your request to send complete descriptive catalogue, from which you can make your selection.

LIST PRICE ON WAGON COVERS. 40 Per Cent Discount or More.
Machine Sewed. Full Weight Goods.

SIZE—FEET.	Drill.	7-ounce.	8-ounce.	10-ounce.	12-ounce.
10x10	\$1 92	\$2 25	\$2 48	\$3 06	\$ 4 60
10x12	2 80	2 78	2 92	3 66	5 55
12x18	2 81	3 95	3 35	3 65	6 01
12x14	2 71	3 19	3 40	4 27	6 49
10x15	2 89	3 44	3 66	4 57	6 96
12x16	3 80	3 67	3 90	4 89	7 43
10x17	3 78	3 90	4 16	5 18	7 95
10x18	3 49	4 14	4 31	5 38	8 38
12x20	3 86	4 62	4 92	6 10	8 85
11x18	3 92	3 84	3 55	4 45	6 78
12x14	3 04	3 59	3 82	4 72	7 29
7x15	3 25	3 53	3 15	3 85	7 04
11x16	3 46	3 88	3 98	5 03	8 08
11x17	3 67	4 34	4 67	5 96	8 89
11x18	3 88	4 60	4 96	6 22	9 45
11x20	4 80	5 11	5 53	6 74	10 52
12x14			4 23	5 35	8 11
12x16			4 56	5 78	8 76
12x18			4 99	6 11	9 27
12x17			5 21	6 50	9 86
12x20			6 52	8 99	10 44
12x22			6 15	7 85	11 62
12x27			6 78	8 43	12 78



Present discount 40 per cent from above list prices, subject to change, but prices guaranteed to always be as low if not lower than any other house.

Present discount 40 per cent from above list prices, subject to change, but prices guaranteed to always be as low if not lower than any other house. We furnish all sizes up to 24 ft. by 60 ft. Special sizes made on orders.

PLAIN WHITE CANVAS FACINGS.
For Covering Harvesters, Binders, Threshing Machines,
Stacks, Hay Cars and All Kinds of Merchandise.

SIZE.	8-OZ.		10-OZ.		12-OZ.	
	Single Filling.	Single Filling.	Single Filling.	Single Filling.	Single Filling.	Single Filling.
5x12						
7x12						
7x15	\$ 2	82	\$ 2	85	\$	78
10x12		82		85		60
10x15		90		80		45
10x17		4 15		5 10		7 10
10x18		4 40		5 40		7 54
12x14		4 35		5 25		7 34
12x16		5 00		6 00		8 36
12x18		5 50		6 75		9 44
12x20		6 15		7 50		10 49
14x18		6 50		7 95		10 09
14x19		7 80		8 50		11 32
14x20		8 05		9 95		12 60
14x22		9 95		10 95		13 86

Made From the Very Best Heavy White Duck.

Size.	18 oz.	15 oz.	12 oz.	10 oz.
6x12	\$4 50	\$5 45	\$5 85	\$6 80
6x14	5 20	6 30	6 90	7 45
6x15	5 60	6 75	7 25	8 35
6x18	6 05	8 05	8 65	10 19
7x12	5 25	6 25	6 90	7 75
7x14	6 00	7 20	7 95	9 00
7x15	6 45	7 75	8 55	9 50

Above prices include Snaps and Rings, or Eyelets, as may be preferred. Any Size not found above, figure in proportion.

Present discount 40 per cent from above list prices, subject to change, but prices guaranteed to always be as low, if not lower, than any other house.

8-ounce West Point Duck	each,	\$1.65
10 " " " " "	"	1.85

SIZE—FEET	8-ounce West Point Duck.	10-ounce West Point Duck.	12-ounce Continental Duck.
7 x 15	\$2 10	\$2 85	\$2 50
10 x 16	2 85	3 90	3 95
10 x 18	3 15	4 10	4 85

These Covers are finished with extra Stay Pieces and Ropes. Can be used for covering either Stacks or Machinery, and are well made in every respect.

No. 2, Heavy Leather Bot-
tom, reinforced from bot-
tom to middle of bag, two
wire ventilators and
ropes.



No. 4. Wood Bottom, heavy
duck, with rope..... 40c

OSKALOOSA, IA., May 6, 1897.—Hapgood Plow Co.—Gentlemen, I am in receipt of the Gang Plow which you shipped me and have tried it, and it does very good work. You will please find enclosed draft for same. Please acknowledge receipt and oblige,
Yours with respect,
JOHN ABER.

It is the best on the market, therefore the cheapest. It is constructed of choice material throughout, and built upon a principle which insures its perfect work, and practically converts your lumber wagon into a spring wagon, and once used, cannot but give the best satisfaction. This spring stands without a rival, and while being the most lasting, is also the handsomest, adding both life and beauty to the wagon upon which it is used. These springs are tested before leaving the factory, and we can warrant them perfect in every way. Should any of the parts prove defective in material or workmanship, we make them good free of charge. They are so constructed that when loaded beyond their carrying capacity they do not break nor do they lose any of their elasticity; they always adjust themselves in good shape when relieved of the load. The springs require no bolting to the box, leaving them free to be removed at any time.

THE SPALDING SPRING.



Spring 38 inches in length, unless otherwise ordered. Odd sizes of Springs furnished on short notice. Give distance between Bolster Stakes.

Carrying Cap.	Ship. Wt.	Cut Price.
1½-in. leaf, 3 leaves, 1000 pounds	70 lbs.	\$8 00
1½ in. leaf, 4 leaves, 1500 pounds	85 lbs.	8 75
1½-in. leaf, 4 leaves, 2000 pounds	95 lbs.	9 50
1½-in. leaf, 5 leaves, 2500 pounds	115 lbs.	10 25
2 -in. leaf, 5 leaves, 3000 pounds	125 lbs	10 75

Carrying Cap.	Ship. Wt.	Cut Price.
2-in. leaf, 6 leaves, 4000 pounds	150 lbs.	\$11 25
2-in. leaf, 7 leaves, 5000 pounds	165 lbs.	12 50

Price is for set of 36-in. or 38-in. size. For 42-in., add 65c extra. For 44-in. add \$1.25 extra.

COMMON SENSE BOLSTER SPRING.

For transforming Common Wagons into First-class Spring Vehicles.



To Carry.	Per Set.	To Carry.	Per Set.	To Carry.	Per Set.	To Carry.	Per Set.
1000 lbs	\$3 50	2000 lbs	\$4.25	3000 lbs	\$6.00	5000 lbs.	\$7.00
1500 lbs	3.85	2500 lbs	4.65	4000 lbs.	6.50	6000 lbs	8.00

The only truly graduated bolster spring in the market. They always afford a spring for light and heavy work. Every set of springs guaranteed to give entire satisfaction. Where one set is sold they invariably sell others; 4 per cent. discount for cash with order.

THE CELEBRATED LOW-DOWN EASY BOLSTER WAGON.

Always give length between the Stakes. Every set guaranteed.

A GREAT BARGAIN AT THESE PRICES.



Shows application to Wagon Bolster. Raises the box or bed less than any other spring in the market.

They convert a common farmer wagon into a spring vehicle that rides as easy as a buggy, with or without a load. Order a sample set and get them introduced in your territory. Where one set is sold others will follow.

Capacity to carry up to 1200 pounds for 36, 38, 42 and 44-inch Bolsters	per set, \$5.50
Capacity to carry up to 2000 pounds for 36, 38, 42 and 44-inch Bolsters	" 6.25
Capacity to carry up to 3000 pounds for 36, 38, 42 and 44-inch Bolsters	" 7.50
Capacity to carry up to 4000 pounds for 36, 38, 42 and 44-inch Bolsters	" 8.50
Capacity to carry up to 5000 pounds for 36, 38, 42 and 44-inch Bolsters	" 9.00

Odd Sizes of Springs Furnished on Short Notice. Prices on Bolster Springs are all F. O. B., Chicago.

THE COMMON-SENSE TONGUE SUPPORT.

The most efficient tongue support made. Can be put on or taken off in less than one minute.



Shipping Wt., 15 lbs. Can be adjusted to any height required. Price \$1 50 each.

Net cash with order.

HARNESSES.

We are headquarters on this line of goods and it will only be necessary to examine our prices to see that we can save you money. You will notice a few testimonials from parties who have sent us their orders. There are hundreds of others which we cannot find room to publish. If we please these parties why not you? Give us a trial. We have tried to describe the goods accurately, and you can place your order for any price Harness you want and feel absolutely sure of getting a stylish, well made Harness, full value, and being well pleased and at one-third to one-half less than retail prices at home. Every Harness guaranteed satisfactory or you can return at our expense. You can pay on receipt of goods, or send cash with order less 4 per cent.

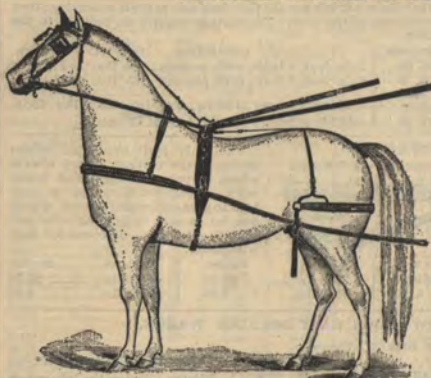
Leather is still very high, but we are still selling at Old Prices, and we believe that a comparison of our goods and prices will convince you we are the lowest priced Harness House in the market to-day. We have shown in this Catalogue the most popular styles. There is an endless variety and if you do not find here what you want, let us know your requirements, and we will guarantee to please you. Will also send you on receipt of your inquiry our complete Special Harness Catalogue free of charge, showing not only the styles represented here, but a large number of others.

4 per cent Discount for all cash with the order on all Harness.

HOW TO ORDER.

In ordering HARNESSES mention the style of mounting desired, if with overcheck or side check bridles. Overcheck will be sent unless otherwise ordered. When Hame and Collar Harness is ordered, always give size of collar wanted. Breast collar, single buggy harness will be sent unless otherwise ordered.

No. 6100S. SINGLE BUGGY HARNESSES.



X. C. Trimmings, Price.....\$5 60

Extra for Collar and Hames 1 15

SADDLE—2½-inch, Iron Jockeys, ½-inch Double and Stitched Bearing Straps.

SHAFT TUGS—½-inch, Double and Stitched, Flat Griffith Belly Band.

BREAST COLLAR—With Layer Double & Stitched

TRACES—1-inch, Straight Stitched, Sewed on to Breast Collar.

BRECHING—With Layer Double and Stitched, ½-inch Side Strap.

TURNBACK—½-inch, Straight, Folded Crupper Dock, ½-inch Hip Strap.

BRIDLE—½-inch Cheeks, ½-inch Flat Over Draw Check, Fancy Front, Patent Leather Blinds.

LINES—Black, Flat, ¾-inch to Loop in Bit.

The illustration gives you a correct idea of this harness. But we do not recommend light harness, although it is worth 100 cents on the dollar at that price. Anything cheaper than this we do not care to sell. This we guarantee for the price. So, in comparing prices, quality must be taken into consideration. This harness looks as well on paper as one at \$12.00. Our prices, quality considered, cannot be duplicated.

No. 6102S. SINGLE BUGGY HARNESSES.

X. C. Trimmings, Price.....\$7 25

Extra for Collar and Hames 1 00

Extra for Nickel Trimmings..... 25

SADDLE—2½-inch Japanned Seat and Jockeys, Back Bands, ½-inch, Double and Stitched.

SHAFT TUGS—½-inch, Double and Stitched, with 1½-inch Flat Griffith Belly Band.

HAMES AND TUGS—¾-inch, Iron Hames; Hame Tugs Double and Stitched.

TRACES—1-inch, Straight, Double and Stitched.

BRECHING—Folded with Layer and Double Tug, ½-inch Side Straps.

BRIDLE—½-inch Cheeks, Flat Over-Check Reins, and Winker Stay, Fancy Front, and Patent Leather Blinds.

TURNBACK—¾-inch, Flat, Folded Dock, two ½-inch Hip Straps.

LINES—Black, ¾-inch, to Loop in Bit.

COLLAR—All Black, Sheep.

Sewed on the famous Campbell Machine, better than hand sewed.

Order your Harness along with one of our Buggies. They can be shipped together and save any expense on the Harness.



SYRACUSE, N.Y., Aug. 1, 1899.—Hapgood Plow Co., Alton, Ill.—Gentlemen: The Harness I ordered from you came duly to hand, and I am very much pleased with it, and I saved at least \$4.00 by dealing with you. Signed, ADDIE V. SMOYER.

WOODSON, ILL., Aug. 21st, 1899.—Hapgood Plow Co., Alton, Ill.—Gentlemen: The No. 609 Buggy and No. 1055 Harness was received in good order. It is a beauty. I consider I saved \$35 on this deal. The same would cost \$70 from the dealers here. I think it will be the means of more orders from your company. W. E. HENRY.

No. 107-S. Single Buggy Harness. Breast Collar.

Takes the place of old No. 108-S. A better harness for about same price; one of our best sellers.

CAMPBELL LOCK STITCHED.

X. C. Trimmings.....Cut Price, \$8.40

No. 0107. Above also with Collar and Hames instead of Breast Collar.

Collar and Hames extra. Cut Price.....\$1.25

BREAST COLLAR—Folded with Layer, Folded Neck Strap with Layer.

SADDLE—3-inch, Japanned Seat and Jockeys, Back Bands, 1-inch, Double and Stitched.

SHAFT TUGS—1 inch, Double and Stitched Belly Bands 1½-inch Flat Grifts.

HAMES—3½-lb. Iron; Hame Tugs Double and Stitched.

TRACES—1½-inch, Straight Stitched.

BREECHING—Folded with Layer and Double Tug, ½-inch Side Straps.

TURNBACK—Flat, with Round Dock and two ½-inch Flat Hip Straps.

BRIDLE—½-inch, Box Loop Cheeks, Round Winker Stays, Flat Over-Check, Leather Front, Patent Leather Blinds.

LINES—Black, ½-inch throughout with Billets.

Extra heavy and finely made throughout. A strictly first-class harness. Nothing to compare with it ever offered at our price. This is the best popular priced harness on the market to-day. We guarantee it to give absolute satisfaction in every particular and will replace any part that does not prove to be strictly first-class. Can be returned at our expense if not satisfactory.



No. 113-S. Single Buggy Harness. Breast Collar.

CAMPBELL LOCK STITCHED.

X. C. or Japanned Trimmings.....\$9.65

Above with Collar and Hames instead of Breast Collar, add.....\$1.25

For Nickel or Imitation Rubber Trimming, add 35 cents extra.

4 per cent discount for cash with order.

SADDLE—3-inch, Japanned Seat and Jockeys, Patent Leather Skirts, Back Bands, 1-inch Double and Stitched.

SHAFT TUGS—1-inch, Double and Stitched, with Billets, two Folded Belly Bands.

HAMES—3½-lb. Iron, Hame Tugs with Small Loop.

TRACES—1½-inch, Double and Stitched

BREECHING—Folded with Layer, Double Tugs, ½-inch Side Straps.

TURNBACK—Flat, with Round Dock, and two ½-inch Flat Hip Straps.

BRIDLE—½-inch Box Loop Cheeks, Round Winker Slays, Flat Over-Check Rein, Patent Leather Blinds.

LINES—Black ½-inch, with Billets.

COLLAR—All Black.



No. 5115-S. Single Buggy Harness. Breast Collar.

CAMPBELL LOCK STITCHED.

X. C. or Japanned Trimmings.....\$10.35

Above with Collar and Hames instead of Breast Collar, add.....1.00

Add for Nickel or Imitation Rubber Trimming, 35 cents extra.

SADDLE—3½-in. Japanned Seats and Straight Jockeys, Back Bands, 1-in. Double and Stitched.

SHAFT TUGS—1-in. Double and Stitched, with Billets, two Belly Bands, Folded.

TRACES—1½-inch, Double and Stitched.

BREECHING—Folded with Layer, Double Tugs with Small Loops, 1-inch Side Straps.

TURNBACK—Flat with Round Dock and two Round Hip Straps.

BRIDLE—½-inch Box Loop Cheeks, Round Winker Stays, Flat Over-Check Rein, Patent Leather Blinds.

LINES—1-inch Russet Hand Parts, ½-inch Black Fronts, with Billets.

COLLAR—All Black.

HAMES—3½-lb. Iron, Hame Tugs with Box Loops.



No. 122-S. Single Buggy Harness —Breast Collar.

CAMPBELL LOCK-STITCHED

X. C., Japanned, Fancy Nickel, or
Imitation Rubber Trimmed\$12 35
As above, with Collar and Hames, instead
of Breast Collar, add \$1.25.

SADDLE— $\frac{3}{4}$ -inch, Japanned Seat and Swell
Jockeys and Skirt, Back Bands, 1-inch Double and
Stitched.

SHAFT TUGS—1-inch, Double and Stitched, with
Billets, two Folded Belly Bands.

TRACES— $1\frac{1}{4}$ -inch, Double and Stitched.

BREECHING—Folded with Layer, Double Tags
with Box Loops, $\frac{1}{2}$ -inch Side Straps.

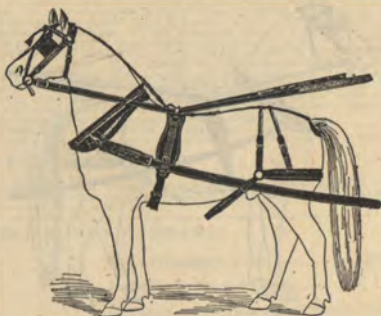
TURNBACK— $\frac{1}{2}$ -inch, Flat, with Straight Layer
and Round Dock, two Round Hip Straps.

BRIDLE— $\frac{1}{2}$ -inch, Box Loop Cheeks, Round
Winker Stays, Flat Over-Check Reins, Chain Fronts,
Patent Leather Blinds, Layer on Crown.

LINES—1-inch Russet Hand-parts, $\frac{1}{2}$ -inch Black
Fronts with Billets.

COLLAR—Full Kip Russet Belly, No. 42.

HAMES— $\frac{3}{4}$ -pound Iron, Hame Tugs with Box
Loop.



No. 153. Single Strap Track Harness.

CAMPBELL LOCK-STITCHED, CREASED.

X C Plate or Japanned Trimmed\$7 65
Net Cash with Order, \$7 35

SADDLE— $2\frac{1}{4}$ -inch, Iron Seat and Jockeys, Single
Strap Skirt, $\frac{1}{2}$ -inch Double and Stitched Bearing
Straps, Leather-Lined Pad.

SHAFT TUGS— $\frac{1}{2}$ -inch, Double and Stitched.
Flat Griffith Belly Band, $1\frac{1}{4}$ -inch.

BREAST COLLAR— $1\frac{1}{2}$ -inch, Solid Single Strap,
Edge Creased.

TRACES— $1\frac{1}{4}$ -inch, Single Strap attached to
Breast Collar, Double and Stitched Ends, Scalloped
Points.

BREECHING— $1\frac{1}{4}$ -inch, Solid Strap, Scalloped
Layer, $\frac{1}{2}$ -inch Side Straps.

TURNBACK— $\frac{1}{2}$ -inch, Flat, Round Dock, $\frac{1}{2}$ -inch
Flat Hip Strap.

BRIDLE— $\frac{1}{2}$ -inch Cheeks, Box Loops, Flat Over-
check, Round Winker Stays, Patent Leather Blinds,
Fancy Front.

LINES— $\frac{1}{2}$ -inch, all Black, to Loop in Bit.



No. 154-S. Single Strap Track Harness.

CAMPBELL LOCK-STITCHED.

Saddle is Nickel or Imitation Rubber
Trimmed, balance X-C Plate\$8 65
Above with Collar and Hames instead
of Breast Collar, add 1 25
4 Per Cent. Discount for all Cash with
order.

SADDLE— $2\frac{1}{4}$ -inch, Iron Seat and Jockeys, Back
Bands, $\frac{1}{2}$ -inch, double and Stitched, Leather Lined
Pad, Single Strap Skirts.

SHAFT TUGS— $\frac{1}{2}$ -inch, Double and Stitched, $1\frac{1}{4}$ -
inch Flat Griffith Belly Band.

BREAST COLLAR— $1\frac{1}{2}$ -inch, Solid Single Strap,
Creased.

TRACES— $1\frac{1}{4}$ -inch, Solid Single Strap, Scalloped
Points attached to Breast Collar, Ends Double and
Stitched.

BREECHING— $1\frac{1}{4}$ -inch, Solid Single Strap, Scal-
loped Layer, $\frac{1}{2}$ -inch Side Straps.

TURNBACK— $\frac{1}{2}$ -inch, Flat, Round Dock, $\frac{1}{2}$ -inch
Flat Hip Strap.

BRIDLE— $\frac{1}{2}$ -inch Box Loop Cheeks, Round
Winker Stays, Flat Over-Check, Patent Leather
Blinds, Chain Fronts.

LINES— $\frac{1}{2}$ -inch throughout.

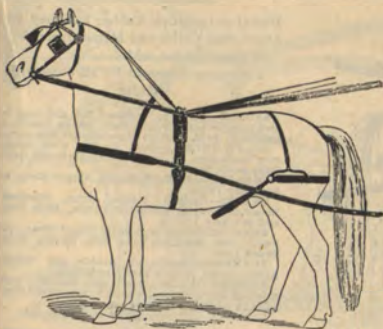


No. 158-S. Single Track Harness.

CAMPBELL LOCK-STITCHED, FANCY CREASED.
Fancy Nickel or Imitation Rubber Trimmed.

Price \$9 95

Cut Price \$9 55 Net Cash.



SADDLE—2½-inch, Patent Leather Jockeys, Single Strap Skirts, Enameled Leather Pad, ½-inch Double and Stitched Bearers.

SHAFT TUGS—¾-inch, Double and Stitched, Flat Griffith Belly Band, 1½-inch.

TRACES—1½-inch, Single Strap, attached to Breast Collar, Double and Stitched Ends, Scalloped Points.

BREAST COLLAR—1¼-inch, Solid Single Strap. BREECING—1½-inch, Solid Single Strap, Scalloped Points, ¾-inch Side Straps.

TURNBACK—¾-inch Solid, Scalloped Layer on Top, Round Dock, ¾-inch Flat Hip Straps.

BRIDLE—¾-inch Cheeks, Box Loops, Flat Over-Check, Patent Leather Blinds, Round Winker Brace, Chain Front, Layer on Crown.

LINES—1-inch, Russet hand-parts, 1-inch Black Body to Loop in Bit.

No. 160-S. Single Track Harness.

BREAST COLLAR, CAMPBELL LOCK STITCHED.

Fancy Nickel or Imitation Rubber Trimmed \$10 65
As above with Collar and Hames, instead of Breast Collar 11 90

SADDLE—3-inch, Japanned Seat, Patent Leather Jockeys, Single Strap Skirts, Back Bands, ¾-inch Double and Stitched, Enamel Leather Pad.

SHAFT TUGS—¾-inch, Double and Stitched, 1½-inch Solid Griffith Belly Bands.

BREAST COLLAR—V-shaped Solid Single Strap. TRACES—1½-inch, Solid Single Strap, Scalloped Points, attached to Breast Collar, Ends Double and Stitched.

BREECING—1½-inch, Solid Single Strap, Scalloped Layer, ¾-inch Side Straps.

TURNBACK—¾-inch, with Scalloped Layer, Round Dock, ¾-inch Flat Hip Strap.

BRIDLE—¾-inch, Box Loop Cheeks, Round Winker Stays, Flat Over-Check, Chain Front, Patent Leather Blinds, Layer on Crown.

LINES—Russet hand-parts, 1-inch throughout, to Loop in Bit.



No. 167-S. Single Track Harness.

CAMPBELL LOCK-STITCHED.

Plain. No Creasing.

Nickel or Imitation Rubber Trimmed

Price, \$11.60 Net Cash, \$11.15

SADDLE—3-inch, Patent Leather Jockeys, very swell Housing, Metal Jockey Loops for Bearers, Single Strap Skirts, Enameled Leather Pad, ¾-inch Bearers, Double and Stitched.

SHAFT TUGS—¾-inch, Double and Stitched, Flat Griffith Belly Band, 1½-inch.

BREAST COLLAR—V-shaped, Solid Single Strap. Plain, no creasing.

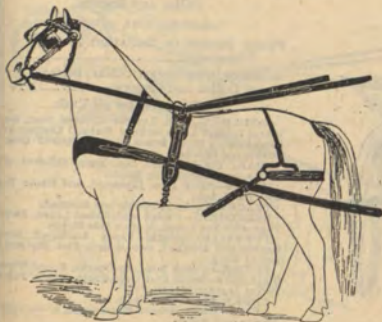
TRACES—1½-inch, Single Strap, Scalloped and Raised Points, attached to Breast Collar, Box Loops on Tugs.

BREECING—1½-inch, Solid Single Strap, Plain, no creasing, Scalloped and Raised Layer, Box Loops on Tugs, ¾-inch Side Straps.

TURNBACK—¾-inch, Scalloped Layer on Top, Round Dock, ¾-inch Flat Hip Straps.

BRIDLE—¾-inch Cheeks, Box Loops, Flat Over-Check, Patent Leather Blinds, Round Winker Brace, Chain Front, Layer on Crown.

LINES—1-inch Russet hand-parts, 1-inch Black Body, to Loop in Bit.



No. 154½-S. Single Strap Track Harness.

CAMPBELL LOCK STITCHED.

Nickel or Imitation Rubber Trimmed..\$8 85
Above with Collar and Hames instead
of Breast Collar, add 1 25
4 Per Cent Discount for all Cash with
Order.



SADDLE—2¼-inch, Japanned Seat and long beveled Iron Jockeys, ¾-inch Back Bands, Double and Stitched. Pads, Leather Lined, Single Strap Skirts.
SHAFT TUGS—¾-inch, Double and Stitched, with Box Loops, 1¼-inch Solid Single Strap, Griffith Belly Band, Sewed.

BREAST COLLAR—V-shaped, Single Strap with Box Loop Tugs.

TRACES—1¼-inch, Single Strap, attached to Breast Collar with Scalloped Points, Ends Double and Stitched.

BRECHING—1¼-inch Solid Single Strap, Scalloped Layer, Box Loop Tugs, Side Straps, ¾-inch, Sewed Loop.

TURNBACK—Scalloped, Double and Stitched, Round Docks, ¾-inch Flat Hip Straps.

BRIDLES—¾-inch, Box Loop Checks, Round Stitched Winker Stays, Chain Fronts, Over-Checks solid throughout, Patent Leather Blinds.

• LINES—¾-inch throughout to Loop in Bit.

No. 204-S. Single Surrey Harness.

Collar and Hames.

CAMPBELL LOCK STITCHED.

Full X.C. Plate or Japanned Trimmed, \$12 95
As above, with Breast Collar instead
of Collar and Hames..... 11 55
Also made with 1¾-inch Traces at \$1 extra.

SADDLE—4 inch, Japanned Seat and Jockeys, Swell Patent Leather Skirts, Back Band 1¼-inch Straight Stitched.

SHAFT TUGS—1¼-inch, Double and Stitched, with Billets, two Folded Belly Bands.

HAMES—Iron, Japanned, Hame Tugs, Box Loops, Patent Leather Ends.

TRACES—1¼-inch, Double and Stitched.

BRECHING—Folded with Layer, two Tugs with Box Loops, Side Straps 1-inch.

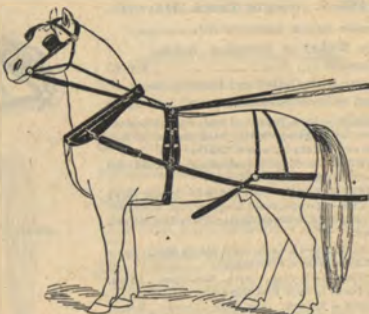
TURNBACK—¾-inch, Flat with Scalloped Layer, Round Crupper Dock, two ¾-inch Flat Hip Straps.

BRIDLE—¾-inch Box Loop Checks, Round Winker Stays, Flat Side Reins, Patent Leather Blinds, Metal Front and Rosettes.

LINES—1-inch, Russet hand-parts, ¾-inch Black Fronts to Buckle.

CHOKE STRAP—¾-inch.

COLLAR—Full Kip Stage, No. 9½.



No. 205-S. Single Surrey Harness.

Collar and Hames.

CAMPBELL LOCK STITCHED.

Fancy Nickel or Imitation Rubber
Trimmed.....\$15 40
As above, with Breast Collar, instead
of Collar and Hames..... 14 10
4% Discount for all Cash.

SADDLE—3½-inch, Leather Covered Seat, Swell Patent Leather Long Jockeys, Enamel Leather Pad, hand-laced, Back Bands, 1-inch Raised Center, Double and Stitched.

SHAFT TUGS—1-inch, Double and stitched with Billets, two Folded Belly Bands.

HAMES—¾-lb. Iron, Japanned, and Hame Tugs with Box Loops.

TRACES—1¼-inch, Double and Stitched.

BRECHING—Folded with Raised Layer, Double Tugs with Box Loops, ¾-inch Side Straps.

TURNBACK—¾-inch, Fancy Scalloped, Lined, Double and Stitched, two ¾-inch Flat Hip Straps, Round Dock.

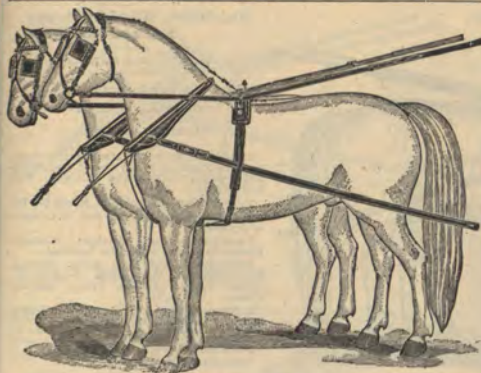
BRIDLE—¾-inch Box Loop Checks, Round Winker Stays and Reins, or Flat Over-Check, Chain Fronts, Patent Leather Blinds.

CHOKE STRAPS—¾-inch.

LINES—1-inch, Russett-hand-parts, ¾-inch Black Fronts with Billets.

COLLAR—All Kip, Russett Belly, No. 42.





No. 5315S.

Double Buggy Harness.

CAMPBELL LOCK-STITCHED.

Fancy Nickel or Imitation
Rubber Trimmed \$22 95

Also made with Hip Straps and Breeching if desired Extra. Can furnish Breast Collar instead of Collar and Hames.

4 Per Cent Discount for Cash with order.

COACH PADS—Fancy Stitched, Patent Leather Tops, Enameled Leather Bottoms, Pad Skirts and Bearers, Double and Stitched, Folded Belly Bands. TURNBACKS— $\frac{3}{4}$ -inch, Scalloped, Round Dock, HAMES— $\frac{5}{8}$ -pound Iron, Full Japanned. HAME TUGS—Box Loop, Patent Leather Ends. TRACES— $\frac{1}{4}$ -inch, Raised, Straight Stitched. BRIDLES— $\frac{5}{8}$ -inch Box Loop Checks, Round Winker Stays, Over-Check Reins, Layer on Crown, Chain Fronts, Patent Leather Blinds. LINES—Flat, 1-inch Russet hand-parts, 1-inch Black Fronts with Billets. CHOKE STRAPS— $\frac{5}{8}$ -inch, Flat. POLE STRAPS— $\frac{1}{4}$ -inch. COLLARS—Full Kip, Russet Belly.

No. 178S. Single Strap Harness.

CAMPBELL LOCK-STITCHED,
Plain, No Creasing.

Fancy Nickel or Imitation Rubber
Trimmed \$12 50

\$11.65 Net Cash.

As above, with Collar and Hames, instead of Breast Collar..... 14 15

SADDLE—3-inch, Japanned Seat, Patent Leather, Jockeys, Fancy Shaped Housing, Metal Bearer Loop, Single Strap Skirts, Swinging Back Bands, 1-inch, Double and Stitched.

SHAFT TUGS—1-inch, Raised, Double and Stitched with Box Loops, $\frac{1}{4}$ -inch Single Strap Belly Band.

BREAST COLLAR—V-shaped, extra wide, Single Strap, Box Loops on Tugs.

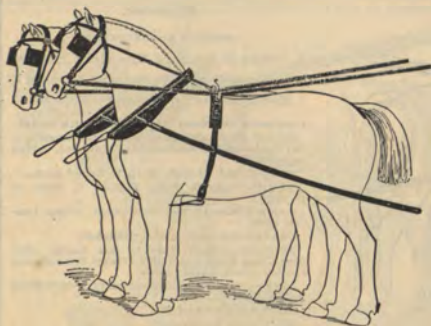
TRACES— $\frac{1}{4}$ -inch, Single Strap, Long Scalloped Points, attached to Breast Collar, Ends Double and Stitched.

BREECHING— $\frac{1}{4}$ -inch, Single Strap, Long Scalloped Layer, Box Loop Tugs, $\frac{1}{4}$ -inch Side Straps.

TURNBACK— $\frac{3}{4}$ -inch, Fancy Scalloped, Raised, Double and Stitched, Round Dock, $\frac{1}{4}$ -inch Hip Strap.

BRIDLE— $\frac{5}{8}$ -inch, Box Loop Checks, Round Winker Stay, Over-Check with Nose Band, Patent Leather Blinds, Fancy Chain or Leather Front, Layer on Crown.

LINES— $\frac{1}{4}$ -inch hand-parts, 1-inch Fronts with Spring Billets, either Russet or Black.



No. 5300S. Light Double Buggy Harness, with Collars.

X. C. Plate or Japanned Trimmed.

Campbell Lock-Stitched Traces.

X-C Plate or Japanned Trimmed \$14 75

4 Per Cent. Discount for all Cash with Order.

Above also made with Hip Straps, if desired, Extra.

COACH PADS—Swell, with Inserted Housings, Moleskin Bottoms, Skirts, Double and Stitched, Flat Belly Bands.

TURNBACKS— $\frac{1}{4}$ -inch, Straight Round Docks. HAMES—7-pound Iron, Full X. C. Plated or Japanned.

TRACES—1-inch, Straight Stitched, Riveted to Hames.

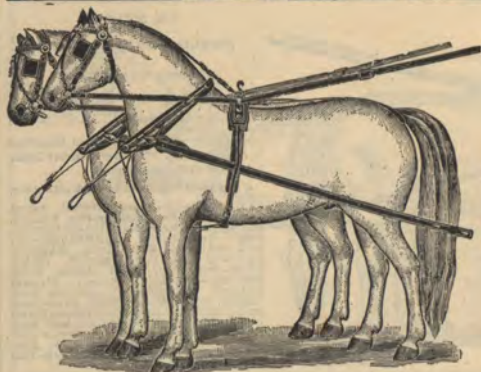
BRIDLES— $\frac{5}{8}$ -inch Checks, Box Loop, $\frac{1}{4}$ -inch Flat Gag Reins or Over-Checks, Round Winker Brace, Patent Leather Blinds, Fancy Fronts.

LINES— $\frac{1}{4}$ -inch, Black, Flat.

MARTINGALES— $\frac{3}{4}$ -inch.

POLE STRAPS— $\frac{1}{4}$ -inch.

COLLARS—All Black Sheep.



No. 303S. Double Buggy Harness.

CAMPBELL LOCK-STITCHED.

X C Plate or Japanned
Trimmed.....\$16 00

Or \$15.35 Net Cash.

COACH PADS—Swell Patent Leather Tops, Inserted Housings Fancy Bound, Pad Skirts and Bearers Double and Stitched, Flat Belly Bands.

TURNBACKS— $\frac{1}{4}$ -inch Flat, Round Docks.
HAMES— $\frac{3}{4}$ -pound Iron, Full X C Plate or Japanned.

TRACES— $1\frac{1}{2}$ -inch, Straight Stitched, Riveted to Hames with Safes Inserted.

BRIDLES— $\frac{1}{4}$ -inch Box Loop Cheeks, Round Winker Stays, Flat Over-Check, Patent Leather Blinds, Fancy Leather Fronts.

LINES— $\frac{1}{4}$ -inch Hand-parts, $\frac{1}{4}$ -inch Fronts with Billets, all Black.

CHOKE STRAPS— $\frac{1}{4}$ -inch.

POLE STRAPS— $1\frac{1}{4}$ -inch.

COLLARS—All Black, Sheep.

No. 304S. Double Buggy Harness.

CAMPBELL LOCK-STITCHED.

X-C Plate or Japanned.....\$16 25
Or \$15 00 Net Cash.

Also furnished with Hip Straps if desired.
Extra, 40c.

COACH PADS—Swell Patent Leather Tops, Patent Leather Housings Fancy Bound Inserted, Leather Bottoms, Pad Skirts and Bearers Double and Stitched, Flat Belly Bands.

TURNBACKS— $\frac{1}{4}$ -inch, Flat, Round Dock.
HAMES—7-pound Iron, Hame Tugs, Harness Leather, Small Loops.

TRACES— $1\frac{1}{4}$ -inch, Double and Stitched.

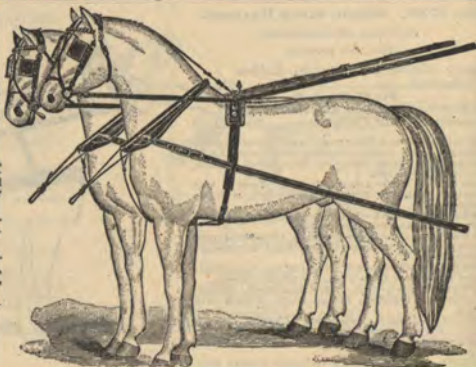
BRIDLES— $\frac{1}{4}$ -inch Cheeks, Box Loop, Round Winker Stays, Flat Over-Checks, Patent Leather Blinds, Fancy Fronts.

LINES—Black, $\frac{1}{4}$ -inch hand-parts, $\frac{1}{4}$ -inch Fronts, with Billets.

CHOKE STRAPS— $\frac{1}{4}$ -inch.

POLE STRAPS— $1\frac{1}{4}$ -inch.

COLLARS—All Black Sheep.



No. 309-S. Double Buggy Harness.

CAMPBELL LOCK-STITCHED.

X-C Plate or Japanned Trimmed.....\$18 95

Above also made with Hip Straps or Breaching if desired Extra.

Made with Breast Collar instead of Collar and Hames.

4 per cent. Discount for All Cash with Order.

COACH PADS—Swell, with Inserted Housings, Pad Skirts and Bearers, Double and Stitched, Folded Belly Bands.

TURNBACKS— $\frac{1}{4}$ -inch, Straight, Round Docks.

HAMES—7-pound Iron, Full X. C. Plate or Japanned.

HAME TUGS— $1\frac{1}{4}$ -inch, Box Loops, Patent Leather Ends.

TRACES— $1\frac{1}{2}$ -inch, Straight Stitched.

BRIDLES— $\frac{1}{4}$ -inch Cheeks, Box Loops, Flat Over-Check Reins and Round Winker Brace, Patent Leather Blinds, Chain Fronts.

LINES— $\frac{1}{4}$ -inch, Russet hand-parts, $\frac{1}{4}$ -inch Black Body and Billets.

CHOKE STRAPS— $\frac{1}{4}$ -inch.

POLE STRAPS— $1\frac{1}{4}$ -inch.

COLLARS—All Black.



**No. 50168. Double Spring
Wagon Harness with Hipstraps.**

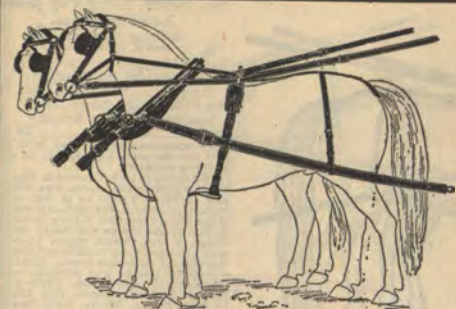
Campbell Lockstitched.
Full Japanned Trimmed.

No. 50168. Double Spring Wagon
Harness, full Japanned, less
Collars.....\$23 00

No. 50165S. Double Spring Wag-
on Harness, full Japanned, with
Breeching, less Collars..... 25 75

Brass Mounted Harness \$2.50 Extra. 4%
Discount for All Cash with the Order on
All Our Harness.

We recommend Collar No. 90 with this
Harness, see Page 90 for description and price.
BRIDLES—Box Loop Cheeks $\frac{1}{2}$ -inch, Sensible
Patent Leather Blinds with Flat Brace, Metal
Fronts and Rosettes, Metal Swivels and Ring
Bits. LINES—All Black $\frac{3}{4}$ x16, with Buckles and
Covert Snaps. HAMES—Oval Iron Trimmed
Wood Coach, with Tugs 1 $\frac{1}{4}$, Box Loops and
Champion Loop Buckles, Breast Straps
1 $\frac{1}{4}$ -inch sewed, with Snaps and Slides, Choke
Strap 1-inch with Billets. PADS—Racket,
Leather Bottoms, Inserted Fancy Round Patent
Billets 1-inch Sewed, Folded Belly Bands with 1-inch
Flat TRACES—1 $\frac{1}{4}$ -inch. Flat. TRACES—
1 $\frac{1}{4}$ -inch sewed, with Snaps and Slides, Layer $\frac{3}{4}$ -inch,
BREECHING—Folded 1 $\frac{1}{4}$ -inch, Side Straps $\frac{1}{2}$ -inch with Snaps for Ring in Choke Strap.



Leather Housing, Skirts Double and Stitched, Bearers Solid Single Strap, Billets 1-inch Sewed, Folded Belly Bands with 1-inch
Roller Buckles. TURNBACKS— $\frac{1}{2}$ -in. with $\frac{1}{4}$ -inch Crupper Body, Round Docks with Buckles, Hipstraps $\frac{1}{2}$ -in. Flat. TRACES—
1 $\frac{1}{4}$ -inch, Double and Stitched, with Clip Cockeyes, unless otherwise ordered. BREECHING—Folded 1 $\frac{1}{4}$ -inch, Layer $\frac{3}{4}$ -inch,
Double Hipstraps $\frac{1}{2}$ -inch, Turnback $\frac{1}{2}$ -inch, with Round Docks to buckle, Side Straps $\frac{1}{2}$ -inch with Snaps for Ring in Choke Strap.

**No. 65038. Double
Spring Wagon
Harness**

with Hipstraps.

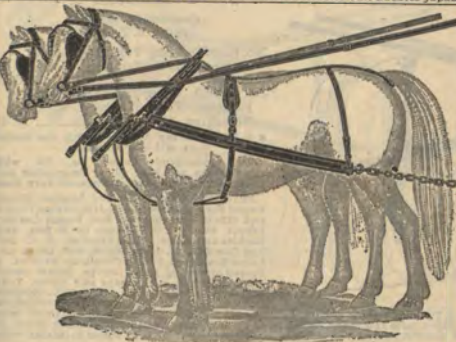
Campbell Lockstitched.
Full Japanned Trimmed.

No. 65038. Spring
Wagon Harness,
full Japanned,
less Collars.....\$24 35

No. 65035S. Spring
Wagon Harness,
with Breeching,
full Japanned,
less Collars..... 26 65

We recommend Collar No.
90 with this Harness, see
Page 90 for description and
price.

BRIDLES— $\frac{1}{2}$ -inch Box Loop
Cheeks, Round Gag Reins and
Winker Braces, Patent Leather
Sensible Blinds, Brass
Band Fronts and Rosettes,
Japanned Snaffle Bits. LINES
—1-inch Black Front, Russel
Handparts 1 $\frac{1}{4}$ -inch. HAMES
—Red Steel Clad Low Top,
 $\frac{1}{2}$ -inch Spread Straps with
Rings, $\frac{1}{2}$ -inch Hame Straps,
Hame Tugs, Harness Leather Box Loop 1 $\frac{1}{4}$ -inch with Inserted Scalloped Safe, Champion Trace Buckles. TRACES—Double and
Stitched 1 $\frac{1}{4}$ -inch, hand raised with Clip Cockeyes unless otherwise ordered. PADS—Victor, Leather Bottoms, Fancy Shaped and
Round Inserted Housings, Skirts Double and stitched with Leather Trace Supports and 1-inch Billets, Folded Belly Bands with
Roller Buckles. TURNBACKS—1-inch with 1 $\frac{1}{4}$ -inch Body, Round Docks to Buckle, Return Buckles on Hipstraps at Trace
Buckles. BREECHING—Folded, with 1-inch Scalloped Layer, Turnback 1-inch with 1 $\frac{1}{4}$ -inch Crupper Body, Round Docks to
Buckles, two Hipstraps $\frac{1}{2}$ -inch, Side Straps $\frac{1}{2}$ -inch sewed in Breeching Rings and to Snap in Chokestrap Rings. Both of above
made with Brass Hames, Hooks, Terrets, Fronts and Rosettes, all Buckles Japanned, or Full Brass Trimmed, \$2.00 extra.



**No. 65078. Short Tug Team
Lead Harness.**

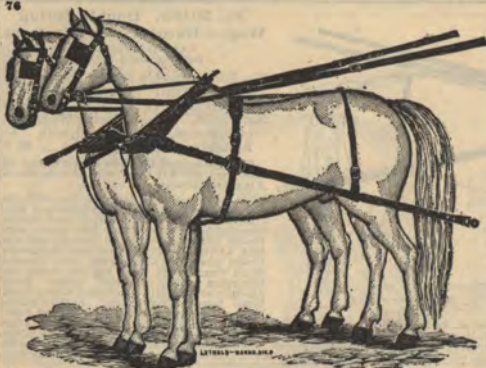
Campbell Lockstitched. X. C. Trimmed.

No. 65078. X-C Trimmed, less
Collars.....\$16 95

No. 65075S. X-C Trimmed,
Less Collars with Breeching. 18 75

We recommend Collar No. 90 with
this Harness. See Page 90 for description
and price.

BRIDLES— $\frac{1}{2}$ -inch, Flat Reins, Pigeon
Wing or Sensible Blinds, Round Braces.
LINES— $\frac{1}{2}$ -inch by 18 feet, with Buckles
and Snaps. HAMES—Iron Overtop, all
Black, Spread Straps $\frac{1}{2}$ -inch, with Rings,
Hamstraps $\frac{1}{2}$ -inch. Breast Straps 1 $\frac{1}{4}$ -inch
with Snaps and Slides, Yoke Straps 1 $\frac{1}{4}$ -inch.
TRACES—Folded with 1 $\frac{1}{4}$ -inch Layer,
Hooks at Rear End with Butt Chains.
PADS—Plain Harness Leather, Shaped and
Felt Lined, 1-inch Layer, Double and
Stitched Return Billets to go around Trace.
BACK STRAP—Solid 1 $\frac{1}{4}$ -inch running to
Hames, 1-inch Hipstraps, Folded Dock to
Buckle. BREECHING—Folded with 1-inch
Layer, $\frac{1}{2}$ -inch Hipstraps, $\frac{1}{2}$ -inch Side
Straps, Back Straps 1-inch. Made also
with Folded Pads if desired.

Side Strap $\frac{1}{2}$ -inch, Trace Supports $\frac{1}{2}$ -inch.

No. 65138. Long Tug Team Lead Harness.

Campbell Lockstitched,
Full X. C. Trimmed.

No. 65138. Long Tug Team Lead
Harness, X-C Trimmed, less
Collars.....\$25 60

No. 65138S. Long Tug Team Lead
Harness, X. C. Trimmed, with
Breaching, less Collars..... 28 40

4 Per Cent. Discount for all Cash with the
Order on All Our Harness.

We recommend Collar 'No. 180 with
this Harness. See Page 80 for description and
price.

BRIDLES— $\frac{1}{2}$ -inch, Round Gag Reins, Sen-
sible Blinds, Round Forked Braces, Harness or
Red Patent, Leather Fronts, Double and
Stitched, Cheeks Lock Stitched, X. C. Ring Bits.
LINES— $\frac{1}{2}$ -inch by 18 feet, with Buckles and
Snaps. HAMES—All Black, Combination Loops,
Hame Tugs $1\frac{1}{2}$ -inch, Champion Buckles, Spread
Straps $\frac{1}{2}$ -inch, Hame Straps $\frac{1}{2}$ -inch, Breast
Straps, $\frac{1}{2}$ -inch, with Snaps and Slides, Yoke
Straps, $1\frac{1}{2}$ -inch, Sewed. TRACES— $1\frac{1}{2}$ -inch,
Straight, Double and Stitched, with Clip Cock-
eyes. PADS—Perfection or Moline, Patent or
Harness Leather Housings, Skirts Folded, with
Belly Bands Folded. TURNBACKS— $1\frac{1}{2}$ -inch, Hip Straps 1-inch, Scalloped Sides and Spots on Top, Cooper's Trace Carriers, Folded
Docks to Buckle. BREECING—2-inch Fold, 1-inch Layer, $\frac{1}{2}$ -inch Back Straps, $\frac{1}{2}$ -inch Double Hipstraps, $\frac{1}{2}$ -inch Side
Straps with Snaps, Tugs with Safes. Both of above furnished with X. C. Ball Top or X. C. Combination Loop Hames, Flexible
Hook and Terret Pads, Stuffed Bottoms, Shaped Harness Leather Housing, $1\frac{1}{2}$ -inch Return Billets.



No. 65158. Long Tug Team Lead Harness.

Campbell Lockstitched,
Full X. C. Trimmed.

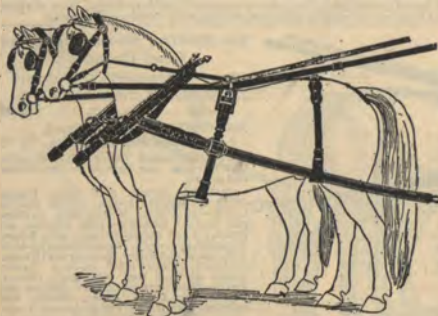
No. 65158. Long Tug Team Lead
Harness, X. C. Trimmed, Less
Collars.....\$26 90

No. 65158S. Long Tug Team Lead
Harness, X. C. Trimmed, with
Breaching, Less Collars..... 29 45

4 % Discount for All Cash with the Order
on All Our Harness.

We recommend Collar 'No. 180 with
this Harness, see Page 80 for description and
price. Our Team Harness are all very fine.

BRIDLES— $\frac{1}{2}$ -inch, Concord or Pigeon
Wing Blinds, Round Braces, Flat Reins,
Bits. LINES— $\frac{1}{2}$ -inch by 18 feet, with
Buckles and Snaps. HAMES—All Black,
Hame Tugs, Champion 8-Loop Buckles,
 $\frac{1}{2}$ -inch Spread Straps with Rings, Hame
Straps $\frac{1}{2}$ -inch, Breast Straps $1\frac{1}{2}$ -inch
with Lone Star Snap Buckles and Slides,
Yoke Straps $1\frac{1}{2}$ -inch, Sewed. TRACES
— $1\frac{1}{2}$ -inch, Double and Stitched, with
Clip Cockeyes riveted on. PADS—Flat
Harness Leather, Shaped, Felt Lined,
 $1\frac{1}{2}$ -inch Return Billets, Belly Bands,
Flat $1\frac{1}{2}$ -inch, TURNBACKS—Solid $1\frac{1}{2}$ -
inch to Hames, 1-inch Hipstraps with
Spots, Cooper's Trace Carriers, with
Safes, Folded Dock to Buckle. BREEC-
ING—Folded with 1-inch Layer, Double
Hipstraps $\frac{1}{2}$ -inch, Backstraps 1-inch,



PADS—Perfection or Moline, Skirts Folded, with $1\frac{1}{2}$ -inch Return Billets, Belly Bands Folded, with
Cooper's Trace Carriers, 1-inch Hipstraps, Scalloped Sides and Spots, Folded Dock to Buckle. BREECING—2-inch Fold, 1-
inch Layers, $\frac{1}{2}$ -inch Double Hipstraps, $\frac{1}{2}$ -inch Sidestraps with Snaps, Safes under Hipstraps. Both of above furnished with
Turtle Pads, Stuffed Bottom, if so ordered.

No. 65198. Long Tug Team 72

Lead Harness.

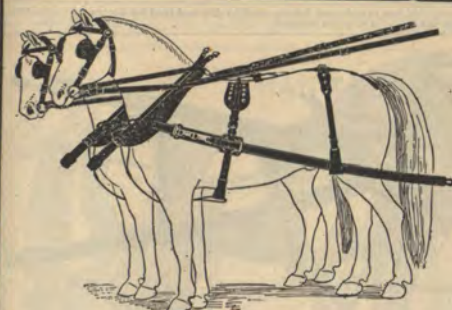
Campbell Lockstitched.
Full X. C. Trimmed.

- No. 65198. Long Tug Team Lead
Harness, X-C Trimmed, less
Collars.....\$25 65
No. 65198S. Long Tug, Team Lead
Harness, X-C Trimmed, with
Breeching, less Collars..... 27 85

This is a Beauty. 4 % Discount for All
Cash with the Order on All Our Harness.

We recommend Collar No. 140 with this
Harness, see Page 80 for description and price.

BRIDLES— $\frac{3}{4}$ -inch, Harness Leather Sensible
Blinds, Round Fork Braces, Short Flat
Reins, Fronts Black or Red, Double and Stitched,
Ring Bits. LINES—1x18, with Buckles and
Snaps, HAMES—Red, X. C. Ball Top Clip,
Tugs Moeller's Patent, $\frac{1}{4}$ -inch Breast Straps,
 $\frac{1}{4}$ -inch Sewed, with Snaps and Slides, Yoke
Straps $\frac{1}{4}$ -inch Sewed, Spread Straps $\frac{1}{4}$ -inch,
with Rings, Hame Straps $\frac{1}{4}$ -inch. TRACES—
1x14, Double and Stitched with Clip Cock-
eyes. PADS—Folded with Layer and Patent
Leather, Inserted Housings, with Ornaments
Cooper's Trace Carriers with Safes, Hipstraps,
Folds 2-inch, Layer 1-inch, Double Hip-
if so ordered.



all around, Return Billets $\frac{1}{4}$ -inch. TURNBACKS—1x14-inch solid to Hames, BREECING—Backstrap 1x14-inch to Hames, Folds 2-inch, Layer 1-inch, Double Hip-
if so ordered.

No. 65235S. Long Tug Team Wheel Harness.

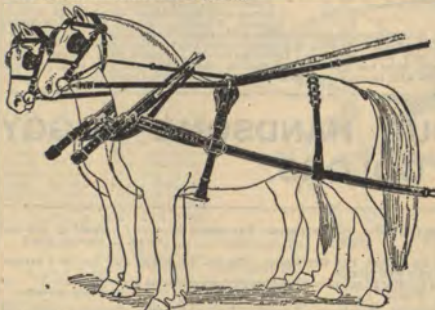
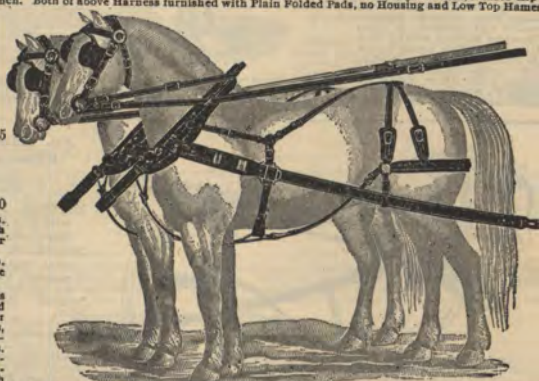
Campbell Lockstitched.
Full X. C. Trimmed.

- No. 65235S. Long Tug
Team Wheel Har-
ness, X.C. Trimmed,
less Collars.....\$23 85
No. 65235S. Long Tug
Team Wheel Har-
ness, X.C. Trimmed,
with Breeching, less
Collars..... 27 50

This is a Splendid Harness.
4% Discount for All Cash
with the Order on All Our
Harness.

We recommend Collar No.
140 with this Harness. See Page
80 for description and price.

BRIDLES— $\frac{3}{4}$ -inch, Harness
Leather Sensible Blinds, Round
Braces, Flat Reins, Red Patent or
Plain Harness Leather Fronts,
Double and Stitched. LINES—
1x18, with Buckles and Snaps.
HAMES—Black, X. C. Iron Over-
top, with Concord Bolt Com-
bination Loops, Tugs, 1x14-inch
Flat, Double and Stitched, with Market Tugs sewed in with Safes, Jointed Concord Clips, Breast Straps $\frac{1}{4}$ -inch Sewed, with
Snaps and Slides, Yoke Straps $\frac{1}{4}$ -inch Sewed, with Ring in end for Side Straps. TRACES—1x14-inch, Double and Stitched, with
Clip Cockeyes. BREECING—Folds 2-inch, 1-inch Layer, $\frac{1}{4}$ -inch Hipstraps, $\frac{1}{4}$ -inch Side Straps, Safes under Tugs, Back Straps
Double, $\frac{1}{4}$ -inch to run to Ring in Market Tugs and to Hames, Trace Supports $\frac{1}{4}$ -inch. Both of above Harness made with X. C.
Ball Top Concord Bolt Hames if so ordered.



No. 65258. Long Tug Team Lead Harness.

Campbell Lockstitched—X. C. Trimmed.

- No. 65258: Long Tug Team Lead
Harness, X. C. Trimmed, less
Collars.....\$27 75
No. 65258S. Long Tug Team Lead
Harness, X. C. Trimmed, with
Breeching, less Collars..... 30 95

A Handsome Harness and a Splendid Bar-
gain. 1x14-inch Traces on Above only
\$1.25 Extra. 4% Discount for All Cash
with the Order on All Our Harness.

We recommend Collar No. 140 with this
Harness, see Page 80 for description and price.

BRIDLES— $\frac{3}{4}$ -inch, Laced Box Loop Cheeka,
with Rings and Nose Bands, Harness Leather
Sensible Blinds, Round Forked Braces, Fronts
Double and Stitched, Round Gag Reins. LINES—
1x18, with Buckles and Snaps. HAMES—X. C.
Over-end Combination Loops, Tugs Folded,
with Laced Box Loops, 1x14-inch Belly Band Bil-
lets attached, Breast Straps $\frac{1}{4}$ -inch sewed,
with Snaps and Slides, Yoke Straps $\frac{1}{4}$ -inch
sewed, $\frac{1}{4}$ -inch Spread Straps with Rings, $\frac{1}{4}$ -inch
Hame Straps. TRACES—1x14-inch Double and

Stitched, Clip Cockeyes riveted on. PADS—Turtle, Harness Leather Tops, Stuffed Bottoms, Hooks and Terrets, Skirts folded,
with 1x14-inch Return Billets. TURNBACKS—1x14-inch with Cooper's Trace Carriers with Scalloped Safes and Spots, 1-inch Hip-
straps. BREECING—Folds 2-inch, Layers 1-inch, Hipstraps Double $\frac{1}{4}$ -inch, Backstraps 1x14-inch, $\frac{1}{4}$ -inch Sidestraps to snap
in Ring on Yoke Straps. Both of above furnished with Concord Bolt or Bolt Hames, Bolt Hames and Jointed Concord Clips if so
ordered. In all above 1x14-inch Traces furnished at extra cost of \$1.25.

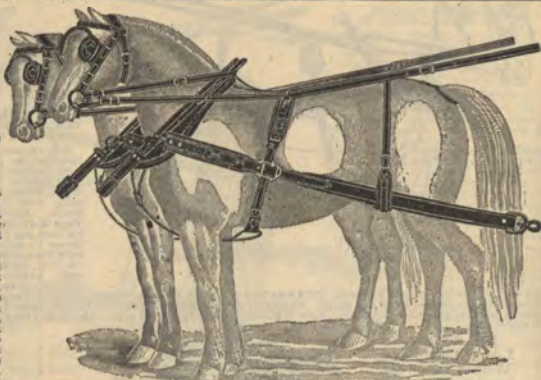
No. 6533S.
Long Tug Concord
Lead Harness.

Campbell Lockstitched.
Full X. C. Trimmed.

- No. 6533S. X. C.
Trimming, less
Collars.....\$24 75
No. 6533S. X. C.
Trimming, less
Collars, with
Breeching..... 27 75

We recommend Collar No. 140 with this Harness. See Page 80 for description and price.

BRIDLES— $\frac{1}{2}$ -inch, Harness Leather Sensible Blinds, Round Fork Braces, Black or Red Patent Leather Fronts, Short Flat Reins. LINES— $\frac{1}{2}$ x 19 feet, with Buckles and Snaps. HAMES—Black Iron Overtop, Combination Loops, Hame Tugs $\frac{1}{4}$ -inch Straight Double and Stitched, 8 Loop Champion Buckles, with $\frac{1}{4}$ -inch Belly Band Billets, Breast Straps $\frac{1}{4}$ -inch, with Snaps and Slides, Yoke Straps $\frac{1}{4}$ -inch, Spread Straps, $\frac{1}{2}$ with Rings, $\frac{1}{2}$ -inch Hame Straps. PADS—Folded, with Layer and $\frac{1}{4}$ -inch Return Billets, Patent Leather Inserted Housings, with Spots all around. TURNBACKS— $\frac{1}{4}$ -inch Running to Hames, Hipstraps $\frac{1}{4}$ -inch with Spots. TRACES—Concord 2-inch bodies, Single Strap, Points $\frac{1}{4}$ -inch Double and Stitched, with Triangular Cockeyes.



No. 6538S. Double Truck
Harness, with Breeching.

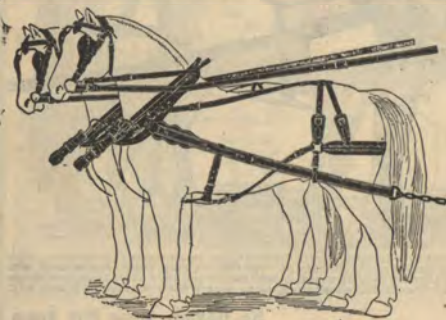
Campbell Lockstitched.
Full Japanned Trimmed.

- No. 6538S. Double Truck Harness
with Hip Straps, Full Japanned,
less Collars.....\$26 50
No. 6538S. Double Truck Har-
ness, with Breeching, Full Ja-
panned, Less Collars..... 32 00

We recommend Collar No. 170 with this Harness. See Page 80 for description and price.

These are Fine Goods. 4% discount for all cash with the order on all our Harness.

BRIDLES— $\frac{1}{2}$ -inch Checks, with Roller Buckles and Short Loops, Figeon Wing Blinds, Cupped with Steel Plates, Round Fork Brace, Double and Stitched Harness Leather Fronts, Leather Rosettes, Short Flat Reins. LINES—Hand Sewed, 12 ft, with Billets and Snaps. HAMES—Oiled Concord Bolt, with Combination Loops, Breast Straps $\frac{1}{4}$ -inch hand Sewed, with Snaps and Slides, Choke Straps $\frac{1}{4}$ -inch with Collar Strap, Ring at Rear End, $\frac{1}{2}$ -inch Spread Straps with Wood Rings, Hame Straps $\frac{1}{4}$ -inch, Sewed. TRACES— $\frac{1}{4}$ -inch, attached to Hames with Jointed Concord Clip, Scalloped-Inserted Sides, 12-inch Coppered Heel Chains, Belly Band Billets $\frac{1}{4}$ -inch. BREECING—Fold 2-inch, Layer $\frac{1}{4}$ -inch, 1-inch Double Back Straps Running to Ring in Hames, $\frac{1}{2}$ -inch Double Hip Straps with Tug Sides, 1-inch Side Straps to Snap in Yoke Strap Rings, $\frac{1}{2}$ -inch Trace Supports. HIPSTRAPS— $\frac{1}{4}$ -inch Turnback with Cooper's Trace Carriers, Hipstraps 1-inch Sewed in Trace Carriers with Sides and Spots as Ornaments. Both above Harness equipped with Brass Hames, Fronts and Rosettes, and with $\frac{1}{2}$ -inch Traces with $\frac{1}{4}$ -inch Belly Band Billets, if so ordered, at extra cost.



with Jointed Concord Clip, Scalloped-Inserted Sides, 12-inch Coppered Heel Chains, Belly Band Billets $\frac{1}{4}$ -inch. BREECING—Fold 2-inch, Layer $\frac{1}{4}$ -inch, 1-inch Double Back Straps Running to Ring in Hames, $\frac{1}{2}$ -inch Double Hip Straps with Tug Sides, 1-inch Side Straps to Snap in Yoke Strap Rings, $\frac{1}{2}$ -inch Trace Supports. HIPSTRAPS— $\frac{1}{4}$ -inch Turnback with Cooper's Trace Carriers, Hipstraps 1-inch Sewed in Trace Carriers with Sides and Spots as Ornaments. Both above Harness equipped with Brass Hames, Fronts and Rosettes, and with $\frac{1}{2}$ -inch Traces with $\frac{1}{4}$ -inch Belly Band Billets, if so ordered, at extra cost.

SEND FOR OUR HANDSOME BUGGY CATALOGUE IN COLORS.

ANNELLY, KANSAS, July 25, 1901.—Haggood Plow Co., Alton, Ill.—Gentlemen: The double harness I ordered of you last August proved very satisfactory.
(Signed) CHAS. E. HAWES, Box 7.

SEMINER, MO., June 25, 1901.—Haggood Plow Co., Alton, Ill.—Gentlemen: The No. 620 buggy and No. 804-S harness have arrived all right and according to order. I am very well pleased.
A great many who have seen my buggy say it is a better buggy than can be bought here and from \$10 to \$15 less.

SALEM, ILL., May 1, 1901.—Haggood Plow Co., Alton, Ill.—Gentlemen: I received harness No. 4440. Harness all right, and am more than satisfied with it. A bargain for the money. The \$1.06 due me just let stand, as I expect to send for some hayting tools in a month or so. Please send me a catalogue of hayting tools and oblige. Yours truly,
I. T. GATEWOOD.
JOHN SWAYNE

DARLOW KANS., Oct. 11, 1901.—Haggood Plow Co., Alton, Ill.—Gentlemen: I bought one of your triple disc gang plows and used five small horses on it. Plowed 150 acres in 26 days, besides doing all the other work. It is certainly a great invention and will sweep the mould-broad plow off the market.
G. B. DANE.

HAND-MADE HARNESS.



No. H-30. Hand-Made Single Strap Harness, per cut.....\$ 7 50

BRIDLE— $\frac{1}{2}$ -inch, Patent Leather, Square Blinds, Flat Side or Overcheck. LINES— $\frac{1}{2}$ -inch, with $\frac{1}{2}$ -inch Hand Parts. TRACES— $\frac{1}{2}$ -inch, sewed on to Breast Collar. BREECHING— $\frac{1}{2}$ -inch. BEECHING STRAPS— $\frac{1}{2}$ -inch. HIP STRAPS— $\frac{1}{2}$ -inch. TRIMMINGS—X. C. or Japanned. No TIE STRAP.

No. H-70. Single Harness.....\$11 25

BRIDLE—Stitched, Winker Brace, Box Loop. LINES—1-inch. BREAST COLLAR—SINGLE STRAP— $\frac{1}{2}$ -inch. TRACES— $\frac{1}{2}$ -inch, Single Strap. SADDLE—3 inch, Strapped. SIDE STRAP— $\frac{1}{2}$ -inch. BELLY BAND—Single Strap. TRIMMINGS—Japan with Nickel or Davis Rubber, Large Buckles, Hooks and Terrets, no Martingales. TIE STRAP.

No. H-150. Single Harness.....\$12 50

For either Full Davis Rubber Trimmed or Full Nickel Trimmed.

BRIDLE— $\frac{1}{2}$ -inch, Box Loops, Check round side or over. LINES— $\frac{1}{2}$ -inch, with $\frac{1}{2}$ -inch Hand Parts. BREAST COLLAR—Crooked or Shaped. TRACES— $\frac{1}{2}$ -inch, sewed or buckled on. SADDLE—Good

Leather Lined, 3-inch Fancy Trimmed. SIDE STRAPS— $\frac{1}{2}$ -inch. BELLY BAND—Wide, Smooth or Wave Creased. TRIMMINGS—Good Oak Stock as above.

Light Express Harness.

No. H-222. Light Express Harness.....\$15 75

BRIDLE— $\frac{1}{2}$ -inch, Round Winker Brace and Checks, Patent or Plain Leather Blinds. TRACES— $\frac{1}{2}$ -inch or $\frac{1}{4}$ -inch, with Cockeyes or Bolts. SADDLE—3-inch Strap, Kersey or Leather Lined. HAMES—Wooden or Iron. COLLAR—Good Kip or Patent Leather. LINES— $\frac{1}{2}$ -inch, with 1-inch Hand Parts. SHAFT TUGS—1-inch. BELLY BANDS—Good Heavy Flat, $\frac{1}{2}$ -inch TRIMMINGS—X. C. or Japanned. We make a heavier Express Harness, our No. H-230.....\$18 00

Dray Harness.

No. H-270. Dray Harness.....\$22 00

BRIDLE— $\frac{1}{2}$ -inch, Heavy, Sensible Blinds. Round Checks. TRACES— $\frac{1}{2}$ -inch. HAMES—Heavy, Strong Wood, Ball Top. BREECHING—Heavy Folded. HIP STRAPS—Heavy, Double, $\frac{1}{2}$ -inch each. SIDE STRAPS— $\frac{1}{2}$ -inch. COLLAR—Pop Stitched LINES— $\frac{1}{2}$ -inch. SADDLE—5-inch, Heavy Hand-made, Kersey Lined. TRIMMINGS—X. C. or Japanned.

Double Driving Harness.

No. H-500. Double Driving Harness.....\$25 00

BRIDLES— $\frac{1}{2}$ -inch, Box Loops, Round Winker Brace. CHECKS—Side or Over. TRACES— $\frac{1}{2}$ -inch, Single Strap, or Double and Stitched. LINES— $\frac{1}{2}$ -inch, with 1-inch and $\frac{1}{2}$ -inch Handparts. COLLARS—Patent Leather. HAMES—Davis Rubber Trimmed. CRUPPERS—Flaxseed, Stuffed. HAME TUGS—With Box Loops. No Hip Straps TRIMMINGS—Full Nickel or Davis Rubber. Made with Breast Collar at same price.

Our H-400.....\$22.00 Less. The same as H-500, only with Straight Heavy Single Leather Traces and without Hame Tugs.

TRACES— $\frac{1}{2}$ inch, 6 ft. long. HAME TUGS—With three Loops. HAMES—High Top. BRIDLES— $\frac{1}{2}$ with $\frac{1}{2}$ Checks, Square or Sensible Blinds, Round Checks and Winker Bows. PADS—Harness Leather, Drop Hooks and Terrets, Felt Housing or Tree Pads with Ring on Side with Market Straps or Straight Double and Stitched Skirt. Breast Strap and Martingales, $\frac{1}{2}$ -inch. BELLY BANDS— $\frac{1}{2}$ -inch, Folded with $\frac{1}{2}$ Billets on Trace Buckle. COLLARS—Heavy Kip, Pop Stitched, Wool Faced. LINES—1-inch. BACK-STRAP— $\frac{1}{2}$ -inch. HIP STRAPS— $\frac{1}{2}$ -inch. TRACE BUCKLES—Champion or Double Grip, two $\frac{1}{2}$ Tie Straps, 3 Spread Rings and Straps. Snaps all around. TRIMMINGS—X. C. or Japanned. Made also with Bolt Hames for \$1.00 Extra. For Tree Pads add \$1.00.

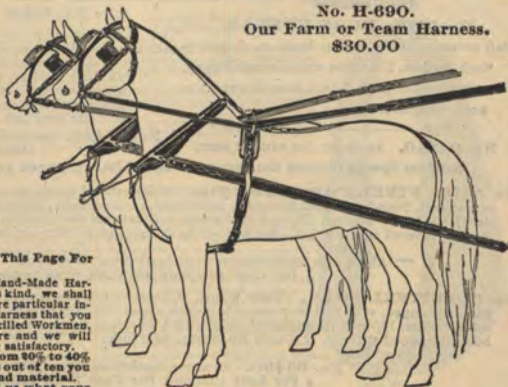
4 % Discount From all Prices on This Page For Cash With Order.

Our space is limited to illustrate Hand-Made Harness. To parties desiring a line of this kind, we shall be pleased to send special cuts and more particular information, or if you have any special Harness that you want made of first-class material by skilled Workmen, advise us what your requirements are and we will name you prices which are bound to be satisfactory.

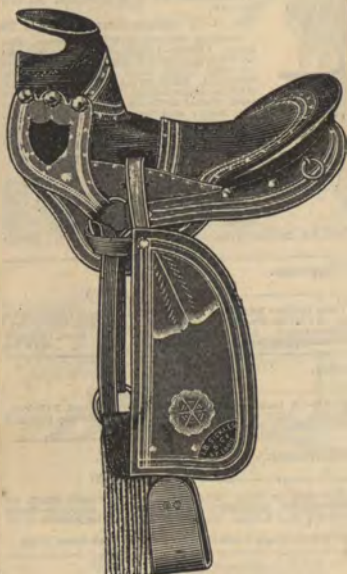
Our prices on these goods are from 30% to 40% under other houses, and nine times out of ten you do not get as good workmanship and material.

We can suit you if you will tell us what your requirements are. Cuts do not represent Harness.

No. H-690.
Our Farm or Team Harness.
\$30.00



SADDLES.



No. 4840. HORN MORGAN.

Half covered, 1-inch stirrup leathers, $7\frac{1}{2} \times 15\frac{1}{4}$ -inch fenders, 1-inch tie straps, single rigged, cotton corded girth, 3-inch bent stirrups, kip horn, Morgan tree.

Price\$5.00

No. 04840. As above, but without horn.

Send for Special Harness Catalogue for Cuts of Nos. 5470 and 5490, and Other Styles.

No. 5470. STEEL FORK. Very Fine. Full seat and jockey in one piece, stirrup leathers run under seat, bound and stitched cantle, solid front, covered rings, $2\frac{1}{2}$ -inch double stirrup leathers (to lace), 9×17 -inch fenders, $1\frac{1}{2}$ -inch tie straps, $1\frac{1}{2}$ -inch billets, $25 \times 13\frac{1}{2}$ -inch wool-lined skirts, plain leather-covered iron stirrups, 18-strand soft gray hair girths, $15\frac{1}{2}$ -inch No. 8 tree, steel fork.

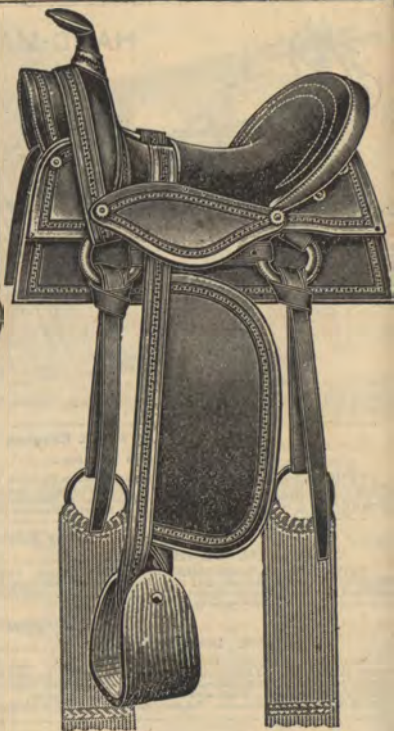
Price\$21.00

— Above also made without wool-lined skirts, 50c extra. Dirt Cheap.
4 Per Cent Discount For Cash With Order.

No. 5490. STEEL FORK. Very Fine. Cheyenne roll cantle with bead, covered rings, solid front basket stamped, solid full loop seat, 25×18 -inch skirts, $2\frac{1}{2}$ -inch doubled stirrup leathers (to lace), 9×17 -inch fenders, $1\frac{1}{2}$ -inch tie straps, $1\frac{1}{2}$ -inch billets, 18-strand California Angora hair girths with safes, ox bow plain wood stirrups, $15\frac{1}{2}$ -inch No. 8 tree, steel fork.

Price\$20.00

No. 05490. As above, wool-lined skirts, 50c extra.
4 Per Cent Discount For Cash With Order.



No. 5140. STEEL FORK.

Price\$10.65

Cheyenne roll cantle, leather jockey, covered rings, 21-inch skirts, double rigged, $1\frac{1}{2}$ -inch stirrup leathers, 8×16 -inch fenders, $1\frac{1}{2}$ -inch tie straps, $1\frac{1}{2} \times 11$ -inch rigging straps, 4-inch Texas wood stirrups, 20-strand cotton string girths, $14\frac{1}{2}$ -inch improved La Platte steel fork tree.

No. 05140. As above, but with bound and stitched cantle.



No. 30.



No. 130.



No. 140.



No. 6.



No. 90.

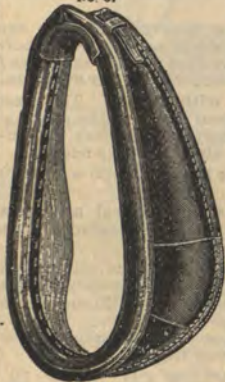
Order No. 30 with Harness
\$750, \$250, \$400.

Order No. 130 or 140 with Har-
ness \$420, \$430, \$440, \$510.

Order No. 90 with Harness
\$750, \$420, \$510.



No. 42.



No. 17.

No. 30. Black split leather back and rim, sheepskin belly. Price, each, \$0.85.

No. 130. Imitation Scotch solid split leather rim, bark tanned back and belly, wool and straw stuffed. Price, each, \$1.35.

No. 140. Imitation Scotch, full bark tanned stock, solid rim, fair belly, sole leather pads, wool and straw stuffed. Price, \$1.50.

No. 90. Black split leather back and solid rim, fair kip belly. Price, \$1.25.

No. 6. Team Collar, black split leather back and solid rim, ticking belly and peak top, generally used with cheap grades of harness.

No. 170. Imitation Scotch, all bark tanned stock, solid rim, fair belly, wool and straw stuffed, sole leather pads. This is a good collar, usually ordered with good grade team harness.

No. 500. Buggy Collar, full back sheepskin, one buckle. Generally ordered for medium grade single harness under \$7.00.

No. 420. Full kip, bark-tanned stock, one buckle, black or fair belly. Generally used on Single Harness over \$7.00, also Double Buggy Harness.

OUR SPECIAL HARNESS AND SADDLE

CATALOGUE is now ready to mail, and if you do not find in this Catalogue anything that will answer your requirements, we would be glad to send you our Special Catalogue showing not only these styles, but a larger variety of other styles.

We wish you to remember that we place at your command the product of an entire Factory, and if there is anything that you want that we do not illustrate, all we ask is the privilege of having you send us cut and description, and let us make you prices. We absolutely guarantee to save you money in every case. We probably sell more Harness than any Mail Order House in the United States, and our facilities are unexcelled by anyone. It will cost you nothing to get this complete Catalogue, except the expense of sending us card asking for it, and we hope to hear from you and your neighbors often.



No. 50.

NOTICE.

{ Do you know that it costs three times as much to sell a Sewing Machine under the old expensive way than the Machine originally cost at the factory? This tells you why we can sell you equally as good a machine for one-half the money.

NOTHING SO CLEARLY ILLUSTRATES THE ENORMOUS WASTE

In getting goods to the consumer, as Sewing Machines peddled over the country at great expense. It is all added to the price of the goods, and many a lady is without one to-day because not able to pay \$40 or \$50 for a machine that should be sold for \$18 to \$20.

We exhibited our machines at the Jersey County Fair, October 5, and found over 100 ladies in just the above situation, 10 of whom bought of us in first four weeks after the fair and others since.

We will send our machines on trial along side of any \$40 or \$50 machine on the market, and if not as good in every respect, they can be returned at our expense—you to be the judge—and do not pay us a cent until you are satisfied. Our machines cost as much at the factory to make as any \$40 or \$50 machine on the market, hence should be just as good, and we propose to let you prove it to your own satisfaction.

We do not manufacture these machines, but they are made for us by several of the largest sewing machine factories in the country, and buying them in enormous quantities, and selling them direct with but little expense, we are able to furnish them at one-half of dealers' prices. 5th. We regret to note that some of our "Would-be Competitors" not content in giving you a machine at half dealers' prices, have gone so far as to **offer cheap machines under a description so extravagant** that you have every reason to suppose you are getting a first class machine just as they tell you, but the best of evidence that you are not, is the simple fact that these same parties in their own catalogues **offer you other machines at much higher prices, and with even less glowing description than the cheap inferior machines.** We say we regret this, because it reflects upon the honor and integrity of all catalogue houses, and they know that the machines are not first class, and they are not high arm as is understood by us when we say high arm, and such advertisements are only calculated to deceive. It is not necessary for us to analyze their purpose, as their own catalogues discredit their statements and their cheap machines, so highly illustrated and extravagantly described, are either not what they represent, or else they are charging you twice as much as they should for the other machines which they illustrate.

The following pages show the different styles of sewing machines on the market, and we know that the same machine, quality being equal, that there are no lower prices being quoted by any concern on earth, and we **offer to duplicate prices quoted by any other sewing machine house on the same class of goods**, so if you wish to trade with us, you can do so under an absolute guarantee to get as good, if not a better bargain from us than you can from any other house, as we not only guarantee to meet their prices on the same goods, but **will endeavor to make you a reduction besides.**

NOTE—As an illustration of what we have stated in above paragraph 5, we refer you to page 83.

OUR TERMS. (Read pages 1 and 2.) *We will send our Sewing Machine to any responsible party subject to trial. No money to be sent us until Goods arrive and are found to be perfectly satisfactory. If not satisfactory (and you are the judge) you will notify us and reship the Machine back according to our instructions, at our expense.*

Four per cent. discount allowed if cash is sent with order. The same guarantee, however, applies to the Goods, and if not satisfactory your money will be promptly refunded. Orders not accompanied with the cash should be certified to by some Bank; Responsible Business Man, Railroad or Express Agent or accompanied with satisfactory references.

The freight on a Machine to any point in Illinois, Missouri or Iowa is from 35 cents to 70 cents, rarely exceeding \$1.00 to most extreme points.

You take no risk in trading with us, as our terms are liberal and you do not pay us a cent if you wish, until you find the goods satisfactory in every way.

A few years ago it was necessary to explain why it was possible for us to sell a high grade Sewing Machine at less than one-half dealers' prices; but it is not necessary at this time to argue the question, or to elaborate on this matter, because every intelligent person who reads, knows these facts as well as we do.

Trusting we may receive your order, and that you will give us an opportunity to show what we can do for you, we are,

Yours very truly,

HAPGOOD PLOW CO., Altou, Ill.



Box of Self-Adjusting Attachments, Heavily Nickel-Plated, in Handsome Velvet Lined Box, Furnished Free with every Favorite Machine.

The Strongest, Most Substantial Head of Any Machine.

A Registered Ten Years' Certificate of Warranty From the Manufacturer with each Machine.

Has the Celebrated Ball Bearing Stand. See Page 86.

The cuts show the Drop Head Machine when open ready for use. You will notice that there is no box on the top, and it is all closed up underneath, protecting the Machine from the dirt and dust.

The New Improved High Arm Favorite Machine is a high grade machine with the modern improvements, first-class mechanism, graceful design and handsome finish, light running and noiseless. It has all the desirable features contained in the well-known machine sold at twice the price. We are willing to have you try this machine in competition with any of the leading machines on the market, and do not ask you to keep it unless you are perfectly satisfied. Read the description of the machine which follows:

How is it, you may ask, that these machines can be sold so low? Because they are manufactured with greatly improved facilities, and are marketed by correspondence. Do not be misled by unscrupulous agents handling other machines, and conclude that because our Prices are Low the machines are of inferior quality, as a Registered Certificate of Warranty is furnished, agreeing to furnish any parts that may prove defective within ten years free of charge (except bobbins, needles and shuttles.)

EXCELLENCE OF THE FAVORITE. All wearing parts are of case-hardened steel, possessing great durability, and by the turning of a screw all lost motion caused by wear can be taken up. All parts are fitted so accurately that these machines are absolutely noiseless and as easy running as is able to produce. No expense or time is spared to make them Perfect in every respect, as every machine passes a rigid inspection by competent men before leaving the factory.

NICKEL PLATED. The balance wheel and many of the fine parts are finely enameled and ornamented, giving it a rich appearance. Improved Automatic Bobbin Winders—So simple that a child can easily operate it—winding the thread automatically on the bobbin as evenly and regularly as a thread on a spool. This valuable attachment renders possible a perfect control of the shuttle tension, and all annoyances resulting from shuttle thread breaking while the machine is in motion, which is common to many machines, is entirely obviated. A Self-Setting Needle and Self-Threading Cylinder Shuttle are used in the High-Arm Sewing Machine. They are so simple that any one can easily operate them in a few minutes' time, as our instruction book is fully illustrated showing how to do all kinds of fancy work with the attachments. The Self-Threading Shuttle is so simple that, with two motions of the hand and backward and forward, the shuttle is threaded. The Woodwork in Oak or Walnut is the best that can be procured. It is finely finished and of modern design, making it handsomer than the ordinary style of woodwork, and is at the same time of equal durability. Extra Attachments in velvet lined case sent free with each machine: 1 tucker, 1 roller with shirring plate, 1 hemmer set (4 widths) and blinder, 1 braider (foot and slide), 1 thread cutter. See list of additional accessories on page 84, which also go with this machine. See liberal terms, pages 1 and 2.



Price List of Favorite.

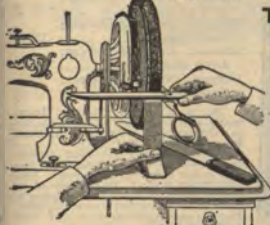
	CUT PRICE.
Extra Standard Finish, Three Drawer Machine.....	\$14 00
Five-Drawer Machine.....	15 00
Seven-Drawer Machine.....	16 00
Extra Finish, Bent Woodwork, Highly Polished 3-Drawer Machine.....	15 00
Five-Drawer Machine.....	16 00
Seven-Drawer Machine.....	17 00
Extra Finish, Drop Head, 3 Drawer.....	16 50
Extra Finish, Drop Head, 5 Drawer.....	17 50
Extra Finish, Drop Head, 7 Drawer.....	18 50
Cabinet.....	22 50

CERTIFICATE OF WARRANTY.

We warrant this.....Sewing Machine No.....sold by us, to endure the natural wear incident to family use, for ten years, and agree to furnish, without charge, any part or parts that wear out or prove defective—breakage of needles, bobbins and shuttles excepted. **Hagood Plow Co.**

HOW OFTEN

Have you purchased a new pair of scissors, when if you had had a Sharpener you could have made the old ones as good as new in two minutes. Who does not know the trial of a dull Carving Knife?



How to use it.

THE SIMPLICITY SHARPENER

is a practical, substantial article—no toy. It can be attached to any Sewing Machine, and attaching it is as simple as placing a spool of thread on the spindle. It is made of cold-rolled steel, nicked and polished. The grinding surface is $\frac{3}{4}$ inch wide and of the finest carundum, $\frac{7}{8}$ ins. diameter, molded and baked on each wheel, and is as durable and practical as those in use in any large shop or factory. It will stand years of service, and is guaranteed perfect in every particular.

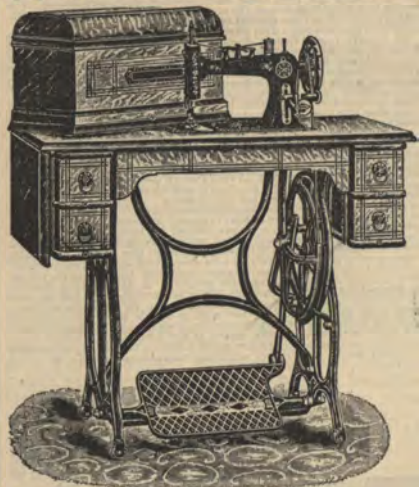
NOTE.—W. & W. No. 9, Davis V. F. and Singer Mfg. Co. machines having belts on the outside need a special clamp. Give us name of machine and we will send clamps to fit.

Simplicity combined with durability and practical usefulness are its recommending features.

WARRANTY.—It makes a happy home. Can you afford to be without it. It will pay for itself 52 times a year. Price.....75c

OUR NEW WILMOT MACHINE

is what is called a High Arm Machine by some of our friends, but it is not quite as high as our "Princess," "Beauty," "Favorite" or "Queen" Machines, but it is strong, well made and of ample size to do the heaviest work. The Machine makes what is known as the double lockstitch, the same as most other Machines, except the Automatic. It is a modern and desirable Machine, up-to-date, and for a medium priced Machine, it is hard to beat, and probably if you are not an expert you would never know but what you had one of our high priced Machines, so near does this Machine answer every practical requirement.



STYLE No. 4.

Bent Woodwork, Oak or Walnut. Complete with Attachments.

REGULAR PRICE, \$37.50. OUR PRICE, \$14.25.

The Head is handsome in design and pleasing in appearance, and all the bright parts are polished and nickel plated. The bed plate is let into the wooden table so that the surfaces of both are flush, thus facilitating the handling of all kinds of work.

The Needle is straight with a large shank and it is impossible to set it wrong or for it to become fast in the bar so that it cannot be readily removed, as it is held with the latest style patent needle clamp.

The Needle Bar is round, made of hardened steel and finely finished.

The Take Up is absolutely automatic in its action at all times and on all kinds of work.

The Automatic Bobbin Winder attached to this machine is a great improvement, and with it the bobbin can be wound almost as evenly as a spool of thread and with no care on the part of operator except to keep the treadle moving.

The Tension Liberator is of a new design and enables the operator to remove work from the machine without danger of bending or breaking the needle.

The Principal Bearings are all hardened, carefully ground and fitted and when kept clean and properly oiled will last a lifetime.

The Feed is double, extending on both sides of the needle, is positive in its action and handles the heaviest work easily. The term "positive feed" is often used in describing other machines, but in nearly all of them it will be found that a spring is required to hold the feed bar to its bearings. The Wilmot feed motion is free from this defect.

The Stitch Regulator is on the upright portion of the arm, directly in front of the operator. The length of the stitch can be quickly regulated by a thumb screw.

The Shuttle is positively self threading, of large size, cylindrical in shape and made of the finest steel, carefully hardened and beautifully polished.

The Woodwork is of the latest design, with bent cover and skeleton drawer cases. It is of fine quality and made of oak or walnut as desired. The long center sliding drawer is lined with velvet, and in it are packed the attachments.

The Stand is light and graceful, yet so proportioned as to give it great strength. It is easily kept clean and free from dust, and is furnished with oil cups to prevent soiling the floor on which it rests. The treadle and drive wheel are hung on adjustable steel centers.

The Attachments, supplied without extra charge, are of the latest design and constructed throughout of the best steel, polished and nickel-plated, and include the following: Ruffler, Tucker, Binder, Braider, four Hemmers of assorted widths, Quilter, Thread Cutter, Foot Hemmer and Feller.

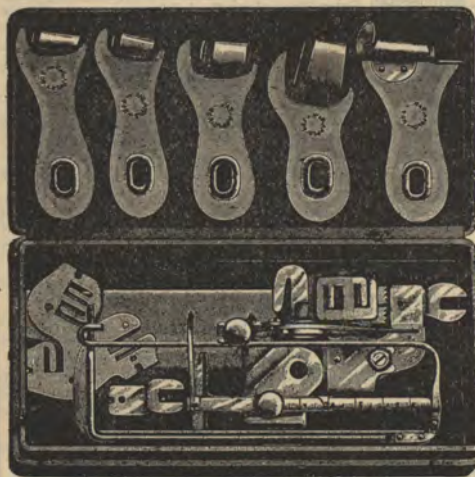
The Accessories include twelve needles, six bobbins, oil can fitted with oil, large and small screw drivers, sewing guide, guidescrew, certificate of warranty good for five years, and an elaborately illustrated instruction book.

PRICE LIST.

Wilmot, No. 3, 3-Drawer,	
Best Finish.....	\$13 50
Wilmot, No. 4, 5-Drawer,	
Best Finish.....	14 25
Wilmot, No. 5, 7-Drawer,	
Best Finish.....	15 25
Wilmot, No. 3, 3-Drawer,	
Drop Head.....	15 00
Wilmot, No. 4, 5-Drawer,	
Drop Head.....	16 00
Wilmot, No. 5, 7-Drawer,	
Drop Head.....	17 00

Not made in cheap Gothic Woodwork, as it is too good a Machine to put in a cheap stand. 4 per cent discount for cash with order.

This cut shows our Steel Attachments used on all our Machines. You will notice they are all pressed from solid sheets of steel. No solder used on any of them. The right-hand piece is made in two parts, but riveted together. There is nothing better made than these Attachments.





BALL BEARING STAND USED ON OUR PRINCESS, BEAUTY AND FAVORITE SEWING MACHINES.

The advantage of using Ball Bearings has been so thoroughly demonstrated on other machinery that no argument is necessary to convince you of its adaptability to a sewing machine, and it is surprising what a difference it makes in the amount of power required to run a sewing machine. It has been demonstrated by actual test that a ball bearing stand will run 80 per cent. lighter than a regular sewing machine stand. We have also tested the matter by setting in motion a machine of each kind at the same time and with the same amount of power, when it was found that the ball bearing stand will run from seven to ten times as long as the old style.

In each stand there are three separate and distinct ball bearings, containing forty accurately ground and carefully hardened steel balls three-sixteenths of an inch in diameter. The balance wheel is supported on two bearings, one at each end of the spindle containing fifteen balls. The pitman that transmits the power from the treadle is fitted at its upper end with a bar containing ten balls. Actual tests of these balls under power for months do not show the slightest wear. It is only necessary to send us your order for one of our machines with these ball-bearing stands to appreciate the fact that this is a most valuable improvement, and the wonder is that it has not been applied long ago.

When you note the low prices on our Princess and Beauty Machines, and bear in mind that we give you an absolutely written Guarantee that they are equal in every respect to the Singer, Standard, Domestic or any of those well known Machines that are sold at twice our prices, you will agree with us that no matter how cheap we or any one else offers you inferior Machines, that good judgment will lead you to **BUY THE BEST**, and feel safe in the assurance that no matter what work you may subject the Machine to, it will never disappoint you.

OUR NEW PRINCESS AND BEAUTY AUTOMATIC LIFT DROP-HEAD STAND.



This Cabinet is an entirely new departure in a Sewing Machine Stand, and is so far ahead of anything on the market, so much better in many ways, and so much more handsome that it stands by itself without a rival.

This Cabinet is absolutely positive and easy action, yet is very simple. When the table is lifted the head of the Machine automatically comes to its place and is securely locked. When lowered it drops into a dust proof receptacle. It is made of the best of material throughout, and is furnished in Oak, Walnut, Sycamore or Mahogany. It is so far ahead of anything else in this line that there is no comparison. It is made in but this one style, with 5 Drawers and with either our Princess or Beauty Head.

This is handsome enough for anybody's parlor. Ball-Bearing and sold under the absolute guarantee that if it is not up to your expectations in every respect, you can return it and get your money back.

PRICE LIST.

Princess, Style 440	\$24 00
Beauty, Style 440	25 00

ORRICK, Mo., Oct. 14, 1901.—Everybody is going wild over your Disc Plow. It is the only plow for this place, and everybody is astonished.
W. O. FIGG.

LEXINGTON, Mo., Sept. 23, 1901.—I send several orders from my neighbors. I plowed ground so hard that no other plow will touch it, and it is a wonder how easy it runs.
W. E. BEAR.

MANOR, TEXAS, July 30, 1906.—Hagood Sewing Co., Alton, Ill., Gentlemen: The Princess Sewing Machine which I bought of you almost three years ago has given perfect satisfaction. Running just as easy as at first and makes but little noise. I am well pleased with my machine.

Signed,

MRS. CHRISTIAN KWANS.

87

THE NEW HIGH ARM PRINCESS SEWING MACHINE.

With Ball-Bearing Stand.

On the previous pages we have shown you the medium grade Machines (although some of our competitors who are selling the same Machine at higher prices than we do, have the nerve to advertise them as strictly high grade), but in this Machine we absolutely guarantee that there is nothing better. WE GUARANTEE IT EQUAL TO THE SINGER, STANDARD, DOMESTIC, OR ANY OF THE HIGH PRICED WELL KNOWN MACHINES SOLD BY AGENTS AT TWICE OUR PRICE.



Style No. 3, Bent Woodwork. Regular Finish. Price \$30.00.
Finished in Oak or Walnut.

PRINCESS.

It possesses all modern improvements, and its mechanical construction is such that in its combined simplicity with great strength, thus insuring ease of running, durability, and making it almost impossible for the machine to be gotten out of order.

It makes what is known as the double lock stitch and uses two threads, which are locked together in the center of the goods, forming a stitch which appears the same on both sides. The upper thread is drawn into position directly from the spool without passing through any holes until the eye of the needle is reached. A detailed description of the machine is as follows:

THE HEAD is handsome and pleasing in appearance, being beautifully decorated in an elaborate design worked out in gold and bright colors. All of the working parts (screws, plates, etc.) are highly polished and nickel plated. The bed plate is let into the wooden table, so that the surfaces of both are flush, thus greatly improving the looks of the machine as well as facilitating the handling of the work when sewing.

THE ARM is large, very strong and well proportioned, and the clear space underneath it is 5 1/2 by 9 inches, thus allowing the bulkiest work to be stitched and handled with ease. Has Cog Gear and will handle the heaviest work with ease.

THE NEEDLE is straight, has a large shank, and it is impossible to set it wrongly or for it to become fast locked-bar so that it cannot be readily removed, as it is held with the latest style patent needle clamp.

THE NEEDLE BAR is round, made of hardened steel and finely finished. It runs in hardened steel bushings, packed above and below in felt, which absorbs oil enough to lubricate the part without any danger of its running down and soiling the work.

THE TAKE UP is absolutely automatic in its action at all times and on all kinds of work.

THE AUTOMATIC BOBBIN WINDER attached to this machine is of the latest pattern and is also adjustable, so that it can be made tight or loose at will, thus enabling the operator to wind the bobbin without running the machine.

THE TENSION LIBERATOR is of a new design and enables the operator to remove the work from the machine without danger of breaking or bending the needle.

THE BEARINGS AND WORKING PARTS are all hardened, carefully ground and fitted and when kept clean and properly oiled will last a lifetime.

THE HAND WHEEL is of the latest pattern and is also adjustable, so that it can be made tight or loose at will, thus enabling the operator to wind the bobbin without running the machine.

THE FEED is double, extending on both sides of the needle, is positive in its action and handles the heaviest work easily. The term "positive feed" is often used in describing other machines, but in nearly all of them it will be found that a spring is required to hold the feed bar to its bearing. The PRINCESS feed motion is free from this defect. It is so constructed that it can be raised or lowered by a simple adjustment without interfering with the feed dog. This advantage will be appreciated by all, as the old way of adjusting by set screws holding the feed dog on the feed bar has always made trouble, because, unless it was accurately done, the feed dog would either strike the front or back of the needle plate, or the feed would be out of level. By the improved construction as made by us, there is no danger of meeting with any of these difficulties. By loosening the set screw which connects the feed push rod with the cam, and sliding it to the right or left, the feed can be adjusted as to height without displacing any of the other parts, and the feed itself will always be perfectly level.

THE SHUTTLE is positively self-threading, of large size, cylindrical in shape, and made of the finest steel carefully hardened and beautifully polished.

THE SHUTTLE CARRIER is of a new design and is fitted with a spring lining which balances the shuttle and does away with the noisy clicking so noticeable in other machines.

THE CABINET WORK is of the highest grade and best workmanship throughout, and can be supplied with the "Regular" or "Extra" finish as preferred. Our "Regular" finish furniture is as good as the best woodwork ordinarily furnished by other concerns. Our "Extra" finish is as fine as can be made, is hand rubbed and what is termed "piano finish" and cannot be improved upon. Customers desiring something very nice will appreciate our "Extra" finish, as it is more than worth the difference in price.

THE STAND is light and graceful, yet so proportioned as to give it great strength. It is easily kept clean and free from dust, and is furnished with oil cups to prevent soiling the floor on which it rests. The treadle and drive wheel are hung on adjustable steel centers.

THE ATTACHMENTS supplied without extra charge are of the latest design, interchangeable, and constructed to slip on the presser bar. They are made throughout of the best steel, polished and nickel plated, and there is not a particle of brass or other soft metal or a single soldered joint about them. They consist of Ruffer, Tucker, Blader, Braider Foot, Under Braider Slide Plate, Shifting Slide Plate, four Hemmers of assorted widths, Quilter, Thread Cutter, Foot Hemmer and Feller.

THE ACCESSORIES include twelve Needles, six Bobbins, Oil Can filled with oil, large and small Screw Drivers, Sewing Guide, Certificate of Warranty good for five years, and elaborately illustrated Instruction Book.

PRICES OF "PRINCESS" HIGH-ARM.

NOTHING BETTER.

No. 4, 3-Drawer, Standard finish.....	\$20 00.	Extra finish.....	\$22 00.
No. 4, 3-Drawer, Standard finish.....	21 00.	Extra finish.....	23 00.
No. 7, 7-Drawer, Standard finish.....	22 00.	Extra finish.....	25 00.
Drop Head (see cut), 3-Drawer.....			23 00.
Drop Head, 3-Drawer.....			24 00.
Drop Head, 7-Drawer.....			25 00.
Cabinet Sewing Machine.....			

All Machines are complete, with best attachments.

We absolutely guarantee that these prices cannot be duplicated on this Machine any place on Earth, and will refund the difference any time inside of 30 days if you prove this statement is not so.

BALL BEARING STAND USED ON ALL THESE MACHINES. SEE CUT AND DESCRIPTION OF SAME ON PAGE 88.

Our "Special" finish is polished wood like a piano, and will please anyone. You can afford to buy the handsomest thing made at these prices, when you have been paying twice as much for ordinary goods.



OUR BEAUTY. WITH BALL BEARING STAND.

AND IT IS A BEAUTY IN WORK AND FINISH.
EASY RUNNING AND NOISELESS.

3-Drawer.....	\$21.00	Drop Head, 3d.....	\$23.00
5-Drawer.....	22.50	Drop Head, 5d.....	25.00
7-Drawer.....	24.00	Drop Head, 7d.....	27.00
		Cabinet.....	32.00

We can furnish this same high grade Machine, but with Gothic Furniture instead of the Bent Wood work without the ball-bearing stand at \$1.00 less.

This Machine is a companion to our Princess, but has an eccentric motion, while the Princess has a cog gear. These two Machines represent the highest perfection in their different classes. We absolutely guarantee that this Machine has no equal. All we ask is the privilege of sending it to you on trial under our terms. Detailed description as follows:

First. The description of the Tension, Take-Up, Shuttle, Needle Bar, Bobbin Winder, Wearing Parts, Cabinet Work, Stand, Attachments and Accessories are all the same, and will apply to this Machine, so that duplicate description is not necessary.

This BEAUTY High Arm Sewing Machine, which is fully illustrated on these pages, is one possessing great merit. The combination embodied in its construction is the result of years of experience in manufacturing and selling Sewing Machines. Nothing that is at all experimental has been allowed to creep in, thus insuring to the buyer that the features of this Machine are reliable and durable. The greatest care has been exercised in making the construction extremely simple, and yet the proportion of parts to give strength and easy running qualities has not been overlooked. We can justly claim that the new BEAUTY in its mechanical principles, finish and appearance is the Acme of Perfection.

It has an Eccentric Movement, causing the shuttle to travel in a circular course, a noiseless double four motion drop feed, operated positively in a very simple yet unique manner, and it is the only feed motion ever invented where the movement of any of the parts does not exceed the length of the stitch. The advantage in this is striking, as wearing of the parts is almost entirely done away with.

The length of the stitch is regulated by a thumb screw on the upright portion of the arm, and directly in front of the operator. It will make a very long or a short stitch. We can also furnish this same Machine with the stitch regulator on the bed plate, regulated by a thumb-screw. We mention this as some parties prefer it in one place, and some in the other. You can have your choice.

Our "Beauty" Drop Head Machine.

WITH BALL BEARINGS.



Style No. 4. Bent Woodwork. Regular Price, \$60. Our Price, \$52.50. Furnished in Oak, Walnut or Sycamore.

The Needle is self-setting with short blade and large shank, which gives it strength. The shank is flattened on one side, and the amount of flattening varies so that whether a fine or coarse needle is used, the blade of the needle always occupies the same position with relation to the needle hole and shuttle.

The Head of the machine is firmly hinged to the table, and the bed plate is inlaid or countersunk into the wooden table. It rests on rubber cushions, which absorb all the jar and noise, allowing the machine to run very smooth and quietly.

The Beauty is fitted with a patent tight and loose hand wheel which enables the operator to wind the bobbin without running the working parts of the machine, consequently the work need not be removed from underneath the presser foot, nor is it even necessary to unthread the machine, as, by simply removing the spool from the spool pin and replacing it with an extra spool, the bobbin can be again filled with thread; it uses a double thread and makes a lock stitch. The upper thread is drawn into position directly from the spool without passing through any holes until the eye of the needle is reached.

The General Design of the Machine is very pleasing, and great care has been taken to have the japanning and ornamentation of the highest character. The fly wheel and all the bright parts, together with the under parts, are polished and nickel plated, giving the machine a finished appearance.

has been taken to have the japanning and ornamentation of the highest character. The fly wheel and all the bright parts, together with the under parts, are polished and nickel plated, giving the machine a finished appearance.

STEEL RANGE DEPARTMENT.

Why is it that we sell hundreds of Steel Ranges every month? Thousands every year? Let us tell you. It is because we have covered the subject thoroughly from one end to the other, and present to our readers every desirable **Style** of Steel Range on the market, so that we suit all purchasers, and because of the further fact that selling thousands enables us to buy them in large quantities, and to **furnish them to you delivered at your station from \$15 to \$30 less than stove dealers.** Every Steel Range we sell carries with it a **5 year guarantee**, sent you along with your invoice, signed by this Company with their seal attached, and if you are not perfectly satisfied with your bargain on receipt of your range, you ship it back and get your money back. We never have a dissatisfied customer if we know it.

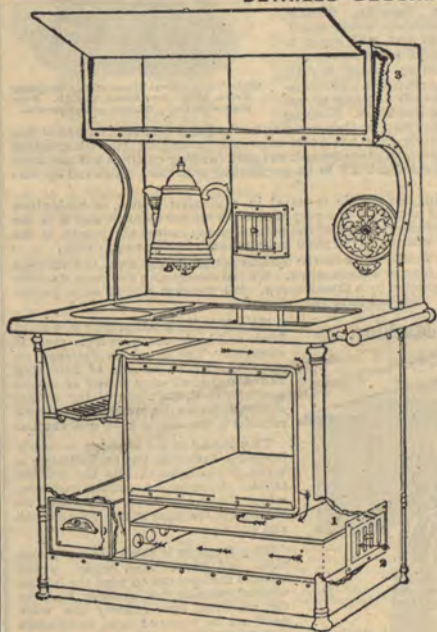
SEND FOR SPECIAL STOVE CATALOGUE FREE.

Hapgood "Hot-Blast," "Double Flue," Anti-Trust Steel Ranges.

HAPGOOD AND PERFECTION Stand for one and the same thing, so when we call your attention to our celebrated "**DOUBLE FLUE**," "**HOT BLAST**," **ANTI-TRUST STEEL RANGES**, we know we offer you something you want—something you can get nowhere else on earth—and a careful perusal of the following pages will convince you that you will want to send us your order at once for

THE BEST STEEL RANGE ON EARTH.

DETAILED DESCRIPTION.



OUTLINE

accumulate in the top of your closet and there is no way of getting rid of it. Our closet does away with all this odor and disease breeding germs.

We use a very heavy steel in our Ranges. Do not imagine that all Steel Ranges are built of the same material. There are many Ranges on the market built of No. 20 and 24 steel plate, while we use No. 14 and heavier, in the different sizes. **We absolutely guarantee that there is not a Steel Range in the market made of heavier steel than ours of the same size.** Do not forget this feature, because it is the weight and thickness of the steel that settles the question of the life and durability of your stove.

These are only a few of the special advantages we offer. You will find some other features such as our Patent Reservoir, explained under other cuts, showing the Reservoir. The general construction of our Range is equal to any on the market, and we mention the following points:

FIRST.—We use nothing but the best cold-rolled patent leveled No. 14 Steel Plates, perfectly fitted and riveted together, extra heavy and all material carefully tested. We line the stoves thoroughly with a **very heavy quality of asbestos**, confining all the heat to the stove, and makes our oven a delight to use.

PLEASE notice this cut, and at Figure 2 you will notice an extra damper. When this is open the air is drawn through the flue to the ash pit, through the ash pit into the fire box; while it is going through it becomes heated, and it is a scientific fact that any stove fed with hot air saves one-third the fuel; or, in other words, one-third of your fuel is wasted in heating the cold air. This fact alone makes our Range, everything else being equal, the best and most economical range on earth.

At Fig. 1 you will notice the outside case consists of two thicknesses of heavy cold-rolled patent leveled steel, lined with asbestos and thoroughly riveted together.

Have you ever used a Range and found that your floor was either burnt or charred from the heat? That is something that will happen with every steel range in the market except ours. Some manufacturers use cement, others asbestos, increasing the weight of the stove, also the freight, and is a very poor device. By noticing the cut you will see that between the hot air around our oven we have the lower flue taking in cold air, so that no heat can possibly reach the bottom of our stove and burn and warp your floor. Ladies using hard-wood floors will greatly appreciate this feature.

We want to call your attention to Fig. 3, showing the spring in our warming closet. This opens and closes the door automatically, and a mere touch will move it either up or down.

Another feature of our Closet is the fact that the door raises up. Have you ever noticed a disagreeable odor, and a moldy smell around the Warming Closet, without knowing what caused it? We will tell you. It is because your closet door swings up into the top of the closet, and there is no way on earth that you can wipe it out. Steam and the various odors ac-

The castings are made of a special composition under our own patent. We absolutely guarantee them not to warp or crack under any heat, and will replace free of charge any that do.

Our Fire-Box has the celebrated duplex grate, see cut page —. We line them with 2-inch patent fire brick, also line them with iron if preferred. Our Fire Box is large, and we can extend them 6 inches by using extension fire-box, if you wish to burn wood.

Our Oven is one of our principal features. It is so well braced that we guarantee it cannot warp. All parts of the oven are heated uniformly. Notice the cut and see how the heat passes entirely around it. We absolutely guarantee it to be as perfect a baker and roaster as was ever constructed, while its size is of generous proportions. See price list for different sizes.

The Oven Door is heavy steel plate, so equally balanced that it can be opened or closed with the greatest ease, and when open forms a shelf of great strength.

Our High Closet we have already called your attention to, but there is another feature that will please you. It is 17½ inches above the Range, so that a large boiler can be placed under it without removing the cover. It has two handy handsome swing shelves.

There is not a single feature in any Steel Range on earth, to-day, that is superior to ours in construction or any particular, and in addition we give you the three grand features stated on page —. **DOUBLE FLUE, HOT AIR BLAST.** This is in addition to the front draft, which is all you find on other stoves, and which we also have. Our double flue also does away with heavy, cumbersome sand boxes or cement bottoms which you find on other stoves, and which add 100 pounds to its weight, and which a great many dealers fail to tell you about when they boast about the weight of their Range. They would have you believe it is all steel. They do not tell you about the sand or cement in the bottom.

One-third of the fuel saved. Is this not a feature worth considering? We invite a careful comparison with any other Steel Range on earth, feeling perfectly confident your decision will be in our favor, and that we shall be favored with your order, as having the most perfect and complete Steel Range on earth to-day.

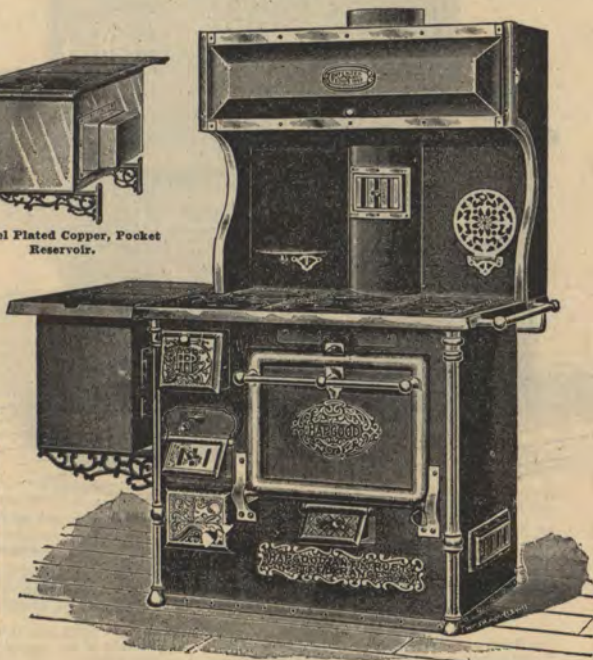
Style "G." 6-Hole, Double Flue, Hot Blast Anti-Trust Steel Range.

Latest Style Copper Reservoir (see cut.) We recommend this Reservoir in preference to all others. We furnish this Hot Blast Range with Enamelled Encased Reservoir on either right or left-hand side, like cut, Page —. We can furnish this Range, 4-Hole Sizes as follows:

7-16" With Reservoir, @ \$31 00
8-16" @ 31 50
9-16" @ 32 50



Nickel Plated Copper, Pocket Reservoir.



PRICE LIST WITH RESERVOIR AND HIGH CLOSET

Order by No.	Cooking Holes.	Size of Oven.	Top Cooking Surface.	Shipping Weight.	Price of Range with High Closet.
7-18	6 7-inch	16½x20½x13½	33x27	400 pounds.	\$36 50.
8-18	6 8-inch	16½x20½x13½	33x27	400 pounds.	36 50
8-20	6 8-inch	18½x20½x13½	35x27	425 pounds.	39 00
9-20	6 9-inch	18½x20½x13½	35x27	425 pounds.	40 00
9-22	6 9-inch	20 x22 x14	37x28	450 pounds.	43 00

We wish to repeat again, that our Double Flue, Hot Blast Range would be cheap if it cost twice as much as an ordinary Range, for the simple reason that it would soon save the difference in fuel.

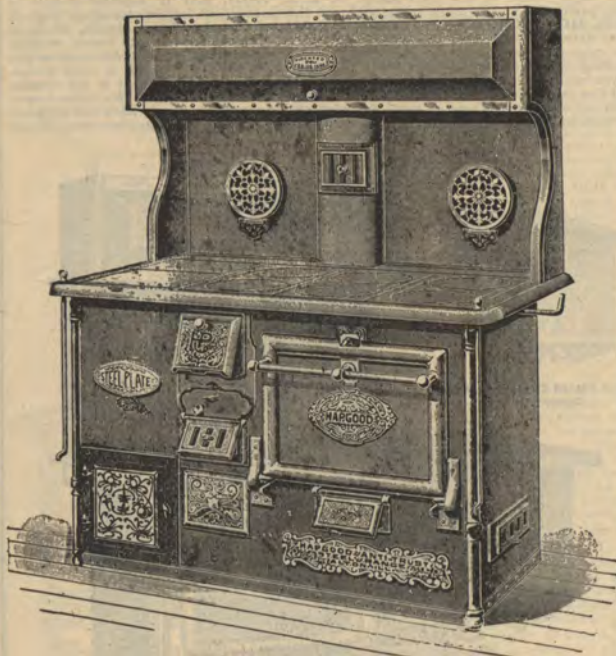
STYLE E, 6-HOLE, DOUBLE-FLUE, HOT BLAST, ANTI-TRUST STEEL RANGE. WITH

HIGH CLOSET, INCASED RESERVOIR. WITH LOW WARMING CLOSET UNDER RESERVOIR.

THIS style of Range is greatly admired. The Reservoir has a wide flange. The cover fits inside of the same instead of over it, so that no steam or condensed water can run down along the side and rust them out as in other Ranges. The Reservoir is very large, and has a capacity of about 8 Gallons. They are made of enameled cast iron only. The Range is made from the same quality of steel and asbestos as the other styles of Ranges heretofore described.

Please note also that this High Closet, as well as the Shelf, extends clear across the Stove and Reservoir, and is much larger than the ordinary closet used on other styles of Ranges.

Style F Range is the same as above in every particular except it **does not** have the nicked corner posts and the Warming Closet under the Reservoir as is shown in Style E below, and if **Style F** is wanted, deduct \$2.00. Both of these styles are very popular.



No.	Cooking Heating	Size of Oven	Shipping Weight	Top Cooking Surface	Price
8-20	6 8-inch 4 9-inch	18" x 20" x 13"	450 lbs.	47 x 27	\$40 00
9-20	2 8-inch	18" x 20" x 13"	450 lbs.	47 x 27	40 00

Deduct for High Shelf in place of High Closet, \$2.50. 4 Per Cent Discount for all Cash with Order.

Look Out For

The fellow who sends you a catalogue with a list price, and then sends you a confidential price list.

The concern who sells goods at prices which you realize are absurdly low; they have to STEAL from YOU or the MANUFACTURER.

The slick tongued Gentleman traveling through the Country selling Ranges from Wagons at \$65 and \$70 apiece. Do not allow yourself to be humbugged. Our Range will only cost you about half as much, and we absolutely guarantee it to be the equal of any Range on Earth.

Buy only of established and reliable concerns.

Our Prices are always as low as consistent with first-class material and workmanship.

It costs money in expense to sell goods—some systems more than others.

Notice the Diagram—draw your own conclusions. Let us illustrate the different systems.

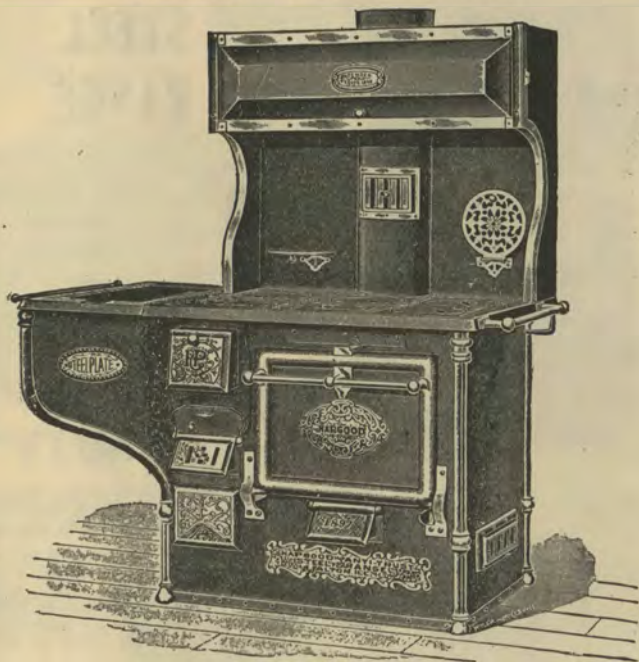


Need we say more to convince you that you consult your own best interest when you send your orders to

HARGOOD MANUFACTURING CO., Alton, Ill.

HAPGOOD 6-HOLE, DOUBLE-FLUE, HOT BLAST, ANTI-TRUST STEEL RANGE,

With HIGH CLOSET and FLUSH RESERVOIR.



STYLE C.

THIS cut shows the Reservoir and fire box both on the left-hand side, and this is the style of Flush Reservoir that we recommend in every case, particularly for the reasons that this style gives the largest quantity of Hot Water with the least fuel, and further there are no open flues to collect soot and dust. Reservoir is easily removed for cleansing, making it the most Perfect and Satisfactory Reservoir ever attached to a Range.

The Reservoirs are either copper, or enameled cast iron as you please. This Range we can furnish with both Reservoir and Fire Box on either the right side or left side, as preferred. Will always be sent for the left side unless otherwise mentioned. It is the most perfect and attractive Flush Reservoir Range ever offered.

PRICE-LIST, Complete with Reservoir and High Closet.

No.	Cooking Holes.	Size of Oven.	Shipping Weight.	Top Cooking Surface.	Price.
7-18	6 7-inch	16½ x 20½ x 13½	400-lbs.	47 x 27	\$37 50
8-18	6 8-inch	16½ x 20½ x 13½	400-lbs.	47 x 27	37 50
8-20	6 8-inch	18½ x 20½ x 13½	425 lbs.	49 x 27	40 00
9-20	6 9-inch	18½ x 20½ x 13½	425-lbs.	49 x 27	41 00
9-32	6 9-inch	20 x 22 x 14	450-lbs.	51 x 28	44 00

We can also furnish this same Range with Fire-box on the left like the above cut, and the Reservoir on the right, but we prefer the above style, unless the space in the kitchen makes the other style necessary.

4 Per Cent Discount for all Cash with Order.

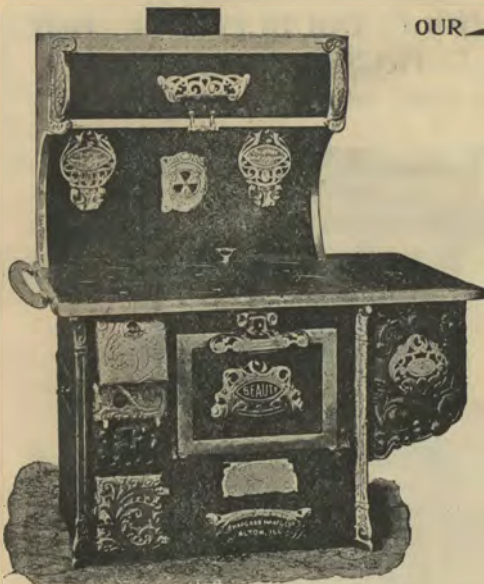
BURNS ANY KIND OF FUEL.

OUR

BEAUTY STEEL RANGE.

6-Hole, High Closet,
Nicked
Trimmed
with
Enameled
Reservoir.

AND IT IS A
"BEAUTY"



in every respect, and we absolutely guarantee that they will please the most fastidious. Their general appearance and finish is second to no Steel Range on the market, but a few remarks in reference to their detailed construction may not be out of order.

They are made of Extra Cold Rolled Heavy Steel, flanged and closely riveted. The fire-box is strong and perfect. The grates can be removed through the opening below the door without putting your hands into the fire-box at all. The linings are very heavy. We use the Celebrated Duplex Grate, operated through the little door below the fire-box with a crank.

The draft is controlled by the register on the side of the Range, and also by the register through the ash pit door. All the ashes fall into the ash pan without fail. Will burn any kind of fuel.

The flues are lined with cast iron plates and heavy asbestos. The top oven plate is also lined with asbestos, and all asbestos linings are securely fastened so that they will not become loose or fall down in the flues.

The oven doors are strong, and are balanced so nicely that they cannot get out of order, and are a delight to handle. The oven ventilation is provided for by register in the nicked oven door panel. The damper is operated on top of the Range near the pipe collar, is very simple and durable.

The main top is made in four pieces, and is arranged so that the Range can be easily changed from a 6-hole to a 4-hole by using a blind plate. The covers, centers and top plates are all extra heavy. The nickel work on this Range is of a very high order. The flue clean-out is so arranged that the ash pan can be placed under it and all the soot falls into the pan. The high closet is a very handsome affair, as the cut will show, and is provided with nickel adjustable stand.

Our Beauty Range is sold under the absolute guarantee to please you, or can be returned at our expense and your money refunded. You are Judge and Jury.

PRICE LIST.

BEAUTY STEEL RANGE WITH HIGH CLOSET, DUPLEX GRATE, NICKEL TRIMMINGS AND ENAMELED RESERVOIR, Per Cut.

No.	Holes	Oven,	Top Surface,	Price,
No. 1592	4 8-inch	14x22x13	30x33	\$35 00
" 1593	4 9-inch	" 15x22x13	" 30x33	" 36 50
" 1573	6 7-inch	" 18x22x13	" 30x33	" 36 75
" 1563	6 8-inch	" 18x22x13	" 30x33	" 37 00
" 1792	6 8-inch	" 17x22x13	" 30x35 1/4	" 40 75
" 1793	4 9-inch	" 17x22x13	" 30x35 1/4	" 40 50
" 1792	6 8-inch	" 19x22x13	" 30x37 1/4	" 44 00
" 1992	4 9-inch	" 19x22x13	" 30x37 1/4	" 44 00
" 2292	2 8-inch	" 22x22x14	" 30x39 1/4	" 46 50
" 2293	6 8-inch	" 22x22x14	" 30x39 1/4	" 46 50

We have a Range not so finely Nicked, construction the same, \$2.50 less.

PRICE LIST OF OUR PEARL RANGE. With Enameled Reservoir, similar to Above, only Smaller Sizes:

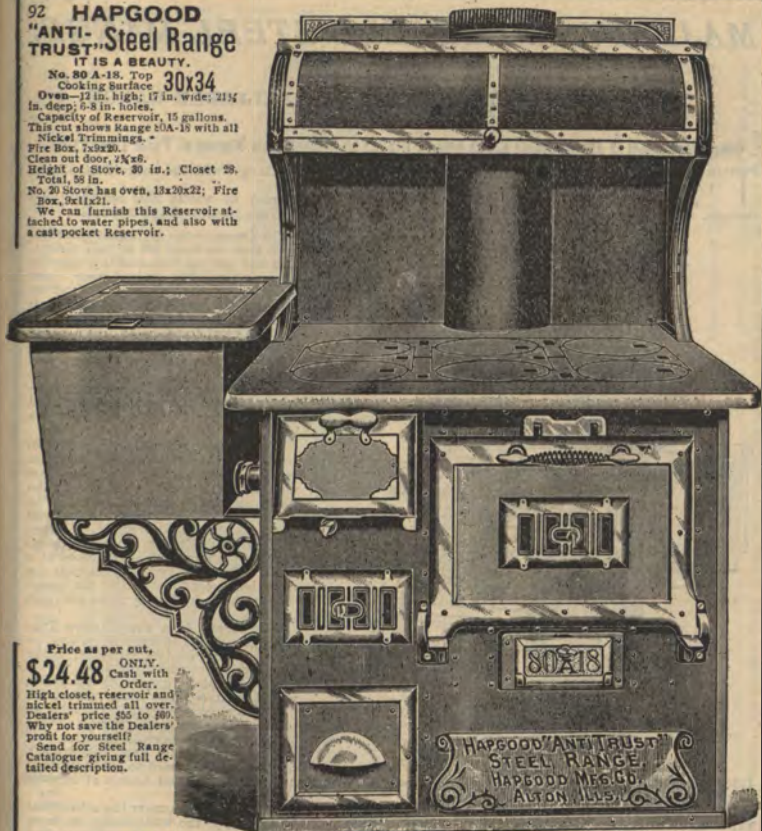
No.	Holes	Oven,	Top Surface,	Price,
No. 8414	4 8-inch	14x20x13	31x30	\$25 00
" 8414	4 9-inch	" 14x20x13	" 31x30	" 26 00
" 7814	6 7-inch	" 14x20x13	" 31x30	" 26 00
" 8414	6 8-inch	" 14x20x13	" 31x30	" 26 00
" 8416	4 8-inch	" 16x20x13	" 32x30	" 27 00
" 8416	4 9-inch	" 16x20x13	" 32x30	" 27 00
" 8618	6 8-inch	" 18x20x13	" 32x30	" 28 00
" 8618	6 8-inch	" 18x20x13	" 32x30	" 28 00
" 9018	6 9-inch	" 18x20x13	" 32x30	" 28 00

Any of the above Stoves with High Shelf, instead of Warming Closet deduct \$2.50 from above prices. Any of the above stoves with low back in place of high closet, deduct \$5.00 from above price. We will be glad to send special cut of the Range in any style you may want it, so you can see just how it will look. For cast Water Front for Pressure Boiler, add \$1.50. If in doubt in any matter in reference to our Steel Range, drop us a line. Let us know what you want and we will be glad to quote you price delivered at your railroad station.

92 **HAPGOOD**
"ANTI-Steel Range
TRUST" IS A BEAUTY.

No. 80 A-18. Top Cooking Surface **30x34**
 Oven—17 in. high; 17 in. wide; 21½ in. deep; 6-8 in. holes.
 Capacity of Reservoir, 15 gallons.
 This cut shows Range 80A-18 with all Nickel Trimmings.
 Fire Box, 18x20.
 Clean out door, 1½x8.
 Height of Stove, 30 in.; Closet 29.
 Total, 59 in.
 No. 20 Stove has oven, 13x20x22; Fire Box, 24½x21.

We can furnish this Reservoir attached to water pipes, and also with a cast pocket Reservoir.



Price as per cut,
\$24.48 ONLY.
 Cash with
 Order.
 High closet, reservoir and
 nickel trimmed all over.
 Dealers' price \$35 to \$40.
 Why not save the Dealers'
 profit for yourself?
 Send for Steel Range
 Catalogue giving full de-
 tailed description.

NOTE OUR EXTREMELY LOW PRICES.

And remember our Guarantee that there is absolutely nothing better on earth at twice the price, and we guaran-
 tee the same to please you or refund your money.

No. 1, Size 80A-18, (see cut) top cooking surface 30x34 inches; Oven 12 inches high, 17 inches wide, 21½ inches deep, inside measurements; complete with Warming Closet; six 8-inch holes. Japanned finish.....	\$26 50
No. 2, 80A-18. Same as above, Nickleled finished body.....	21 00
No. 3, 80A-18. Same as above, Nickleled finished body and closet.....	23 70
No. 4, 80A-18R. Same as No. 1, with 15-gallon reservoir.....	23 70
No. 5, Same as No. 2, with 15-gallon reservoir.....	24 00
No. 6, Same as No. 3, with 15-gallon reservoir.....	24 00
No. 7, Size 80A-20; top cooking surface 30x40 inches; Oven 13 inches high, 20 inches wide, 22 inches deep; all inside measurements; complete with Warming Closet; Japanned finish.....	25 50
No. 8, Same as above but Nickleled finished body.....	25 50
No. 9, Same as above, Nickleled finished body and Warming Closet.....	26 50
No. 10, Size 80A-20; same as No. 7, but with 15 gallon reservoir.....	27 00
No. 11, Same as No. 8, but with 15-gallon reservoir.....	27 00
No. 12, 80A-20. Same as No. 9, with 15-gallon reservoir.....	28 00

Nos. 7, 8, 9, 10, 11, 12 can be furnished with 9-inch holes at \$1.00 extra.

Copper Reservoir instead of aluminum, add \$3.50 extra.

We recommend you to order your Range in Nickleled Trimming. It costs but little more, yet it adds at least \$10 to the looks of the range. Above prices are C. O. D. or subject to examination. We give you 4 per cent discount from these prices for cash with the order, and we guarantee to refund your money promptly if you are not perfectly satisfied.

No trimmings or ware included. Shipping weight about 400 lbs. Always shipped crated, absolutely insuring that you receive them in perfect order. We will furnish free anything broken about this stove when received, if you follow our instructions in reference to receiving goods. We can also furnish this stove to parties living in cities where they have pressure boilers, at \$1.50 more than the 8-20. You will notice that this range is of large generous proportions. We absolutely guarantee that it is all we claim for it and more, too. We can furnish hundreds of such testimonials.

MAJESTY MALLEABLE STEEL RANGE.

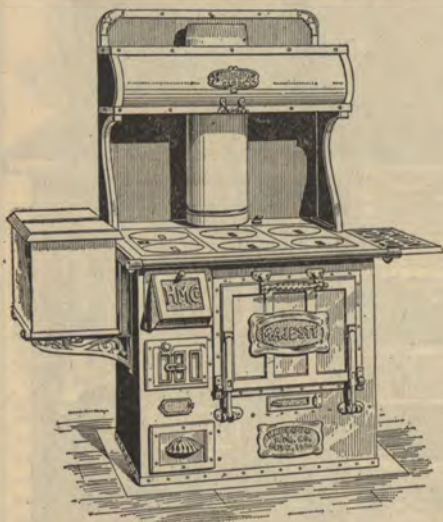


THE NEWEST, LATEST AND BEST MALLEABLE RANGE ON THE MARKET.

Guaranteed Equal to Any Malleable Range Sold by Dealers or Peddled From Wagons at Twice These Prices.

THEY are made of Malleable Iron and Steel, that is, they are Steel Ranges with the entire Top, Doors, Frames, Brackets and Trimmings of Malleable Iron.

The Top of a Range is a very essential feature, and will not crack no matter how hot they may become. They heat quickly and evenly, and being thinner than Cast Tops require a little less fuel.



The Oven is one of the particular features that we boast of in this Range. You may mix up your cooking material to perfection, but unless your Oven bakes right there is trouble, and we absolutely guarantee that you can cook anything from a potato to an angel food cake from start to finish without turning.

The Body is made of the very best quality of Wrought Range Body Steel.

The Linings are Heavy Asbestos, riveted to steel sheets, and the steel sheets riveted solid to the body.

Our Reservoir is Galvanized Iron, coated with Aluminum Paint, oft-times called Aluminum Reservoir. It is set next to the fire-box, a pocket on the Reservoir resting against a cast front in the fire-box. It will heat water in 30 minutes. Having no pipes or other connections it never rusts or leaks. Full Copper Reservoir is furnished at a slight additional price. Should the water boil more than desired the Reservoir can be moved away from the cast front.

The Grate is a very heavy Duplex Grate. Can burn either Coal or Wood. The Fire-box is large, made with heavy sectional linings.

We absolutely guarantee to please you, because three times a day, 365 days in a year, you would be abusing us to your neighbors and friends if our Range did not please you, and for that reason we would not have you to keep our Range if you were not perfectly satisfied, because if it is bad, it would be a nuisance, but being satisfactory it is a constant source of comfort to you, and a profitable advertisement for us.

Dealers and Peddlers selling Steel Ranges must talk from \$15 to \$25 out of you to cover the additional expense. That money is not invested in the Range that you get, but is simply the unnecessary expense attached to doing business the old way, and it will give us the greatest pleasure to have you put one of our Steel Ranges right along side of these other ranges, and if your decision is not in our favor we will pay the freight back ourself, and also refund you the freight that you have paid.

Six 8 inch lids, Top Surface, 33x27; Extension Shelf, 7½x20. Body, 28 inches high; Oven, 21x17x13; 17 inches of space between the Range and the High Closet.

No. 1240. Majesty Steel Range, High Closet, no Reservoir.....\$32 50

No. 1250. Majesty Steel Range, High Closet and 15-Gallon Reservoir, per cut.... 36 00

For Copper Reservoir in place of the Aluminum, add \$2.50.

For Copper Reservoir, Silver Plated in place of Aluminum, add \$3.00.

This Silver Plated Reservoir is very handsome. Please do not forget that there is 4 PER CENT DISCOUNT off of these prices for cash with the order.

We also make this Range with Four 8-inch Holes, and Malleable blank plate to fill out space. Oven, Top Surface, etc., same as above. The difference in price is \$1.00 less.

We also make this Range in Four 8-inch Lids for small families. Top Surface, 31x27; Extension shelf, 7½x20. Body, 28 inches high; Oven, 21x15x13. Space between Range and High Closet, 17 inches.

If High Shelf is wanted instead of High Closet, deduct \$2.50.

If Water Front is wanted for Pressure Boiler, add \$1.50.

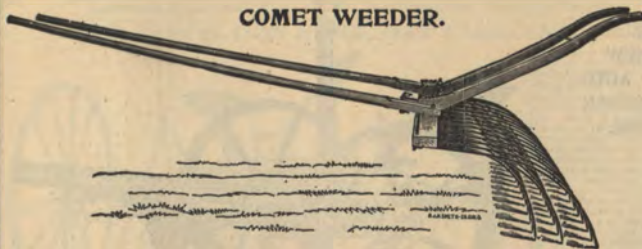
No. 240. 4-Hole Range with High Closet, without Reservoir.....\$29 75

No. 250. 4-Hole Range with High Closet and 15-Gallon Reservoir..... 33 25

Deduct for High Shelf in place of Closet, \$2.00.

Add for Cast Water Front for Pressure Boiler, \$1.50.

COMET WEEDER.



WHAT IT IS

THE head is eight feet long. The Weeder, therefore, covers eight ft. wide. It has 47 oil-tempered steel teeth arranged in three rows which cover the surface of the ground thoroughly. The teeth are so arranged that any number may be removed to straddle rows in such crops as cauliflower and the like.

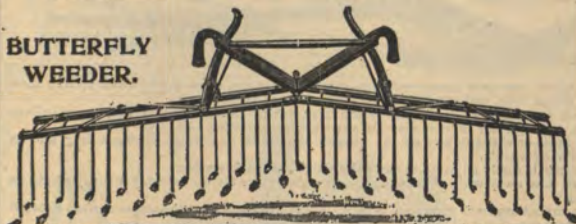
HOW THE WEEDER IS USED. The best results in cultivating a crop can only be obtained, when the soil is in thorough condition before the crop is planted. The conditions vary according to the crop, but progressive farmers have generally adopted level cultivation, and the ground should always be left as level and mellow as possible. The use of the Weeder is recommended to thoroughly smooth and pulverize the soil before the crop is planted, and as soon as the crop begins to make its appearance the ground should be thoroughly gone over with the weeder to destroy the weeds which have already germinated on the surface.

WHAT THE WEEDER DOES. It should always be borne in mind that frequent stirring of the soil is very beneficial to the crop, and that the expense of cultivating the crop ten times with the weeder is no greater than the expense of one hand hoeing.

The Weeder will thoroughly cover one acre in from 30 to 40 minutes. It will easily perform work of from 10 to 20 men.

Net-Price \$7.65 F. O. B. Factory.

BUTTERFLY WEEDER.



This Weeder is made on the A or butterfly shape, which is new and novel in the Weeder line. All farmers know from experience that the most successful harrows are the A-shaped ones. The same principle applies to weeders. The teeth of the Butterfly Weeder are made of the best round open-hearth steel, securely fastened to the head, having a spring tension on the fastening bolts to prevent the nuts jarring loose. Any tooth can be removed by taking off a nut. These are very valuable features. The Weeder is light, strong and well made.

Price \$7.50

4 Per Cent Discount.

POTATO DIGGERS



Standard \$7.50

The **STANDARD** is steadily coming to the front and bearing down all opposition, until it has come to be acknowledged everywhere the best, low-priced potato digger on the market.

IMPROVED.

(Notice some of the improvements.)
1st. The rearwardly curved and elevated wings of the shovel, working in conjunction with the greatly improved screen, completely revolutionizes the working capacity of our Digger.

2d. The screen is now constructed to give better results, and is held adjustably to the standard by two bolts instead of one.

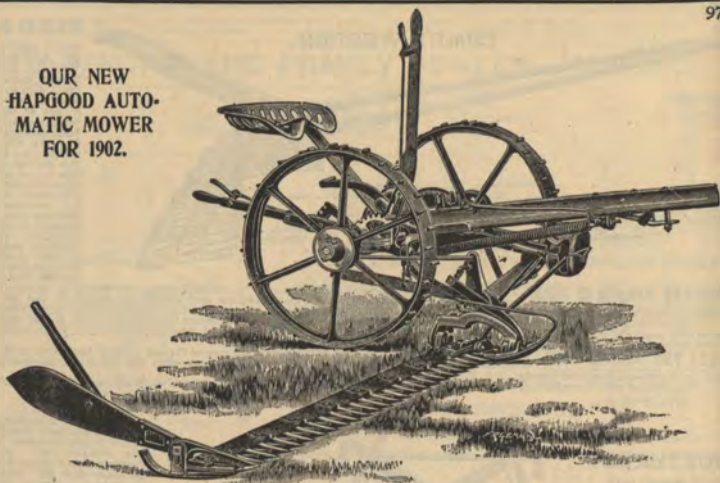
3d. The point (which you know wears out sooner than the rest of the shovel), is separated from the main shovel and requires but three lbs of steel to renew the point.

Price, \$8.50 4 Per Ct. Discount.



IMPROVED

OUR NEW HAPGOOD AUTO- MATIC MOWER FOR 1902.



We absolutely guarantee that this Mower will cut anything and any place that any other Mower on Earth will work. Will last as long, and requires as few repairs as any Mower made.

Our Automatic Mower is made very strong, heavy and large, giving immense power, greater we believe than any other Machine, consequently there is scarcely any limit to its cutting capacity.

The Finger Bar floats or slides lightly on the ground, supported by Springs, does not drag, and its weight is added to the driving wheels.

The Lifting Spring is easily adjusted to carry the weight of the finger bar.

Our Wide Frame does away with all side draft or weight on the horses' necks, yet runs as light as any narrow frame Mower.

The Finger Bar cannot sag back or get out of line. There are no nuts on the upper surface to catch grass, nothing on top except the clips and they are no obstruction.

The Guard Fingers we absolutely guarantee cannot choke under the knife back, or cause friction because of their shape. The end of the push bar is so low at the rear, the Machine cannot buckle or double up when the finger bar strikes an obstruction. The lifting lever is handy, and is a combined hand and foot lever, making it very easy.

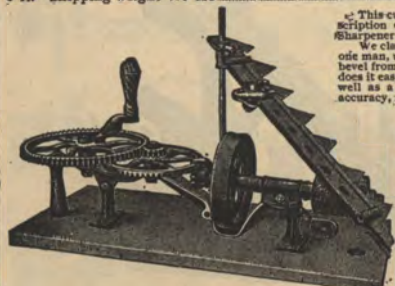
The Tilting Lever is so arranged that the points of the Guards can be raised or lowered at will, and this Lever is also convenient.

The Knife is furnished with a steel bushing, that can be removed when worn and another substituted, saving the Knife head.

The Crank Box is entirely independent of the Frame, so that when worn can be replaced at little expense.

We might go on and explain every point on this Machine, but sufficient to say that there is absolutely nothing on the market that is any better, and we guarantee the Machine to be well made, and to work any place that any Mower will work, so that you can send your order with perfect confidence that this Machine is going to please you.

6 ft. Shipping weight 775 lbs \$37.50



This cut shows our U. S. Sickle Grinder. You will find cut and description of the same Machine as a Disc Harrow, and Disc Flaw Sharpener on pages 11, 12 and 19.

We claim it is the best Sickle Grinder there is made, operated by one man, using a flat wheel and grinding every section at the same bevel from point to heel. The Fly wheel is what does the business and does it easy. It is also a perfect tool grinder for all kinds of tools as well as a Drill Machine. There is nothing to compare with it for accuracy, rapidity, ease, or adaptability.

PRICE LIST.

U. S. Disc Grinder and Drill with Sickle Stone only	\$6.00
U. S. Disc Grinder and Drill with Disc Stone only	6.00
Extra Wheels 3x3 for Sickle Grinder (Fine Stone)	.50
Extra Wheels 3x3 for Disc Sharpener (Hard Stone)	.50
Saw Gumming Wheel, extra	.50

All machines guaranteed satisfactory or money refunded, and Machine returned at our expense. We want Agents for this Disc Sharpener, as the inventor insists on its being sold in that way.

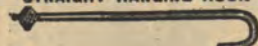
Terms F. O. B. Alton, Ill. Cash with the order, less 5 per cent Discount, or if 25 per cent of the amount is sent, balance to be shipped C. O. D.

SEND FOR CATALOGUE OF HAY CARRIERS AND FIXTURES.

The Hapgood Reversible Steel Track, and Hay Carrier and Steel Track.



STRAIGHT HANGING HOOK



Before being bent, 14 inches long.
Before being bent, 18 inches long.
After being bent each is two inches shorter.

JOINTED HANGING HOOK.



Floor Hook.
1/2-Inch.



Rope Hitch.
Swivel.



RAFTER BRACKET FOR HANGING WOOD TRACK.



Reversible Steel Carrier, weight 81 lbs. \$3.75
Reversible Wood Carrier, weight 80 lbs. 3.65
Steel Track with Coupling and Bolts, 2 1/2 lb.,
to the foot, 10c per foot; 50 feet 4.50
Hanging Hooks, each, 1c; per doz. .10
Jointed Hanging Hooks, " 10c; " 1.00
1/2-Inch Floor Hooks, " 1c; " .10
Rafter Brackets, " 1c; " .10
Swivel Rope Hitch, " 10c; " 1.00

The best and most durable Steel Track on the market. It has the widest and strongest part of the rail under the wheels. This carrier will work either way from the stop without change as it will pass the stop to right or left as well. All that is necessary to work it either way is to draw the main rope through and hitch to the end extending to the direction you wish to draw your hay. The knot in the other end of the rope will hold it firmly as it rests against the Carrier. The lock is composed of two parts only, and is perfect in its working. Being a positive lock there is no guess work about it. It is made of the best malleable iron and neatly finished. It is light and easy to handle.

Our new circular will show you cuts and descriptions of all the different parts. Write for it if interested.

PRICE LIST.

Grapple Fork, 4-Tine, 42 lb.	\$3.25
Grapple Fork, 5-Tine, 56 lb.	3.75
Harris Double Harpoon Fork	1.00
Short Head Double Harpoon Fork, Light	1.00
Single Harpoon Fork	1.00
Nellis Harpoon Fork, 8 lb.	.75
Malleable Frame Knot Passing Pulleys, 25c each	per doz. 2.50
Steel Rafter Grapple, 45c each	4.75
Sling Pulleys	1.75
Two-Spreader Wagon Sling	2.50
Four-Spreader Wagon Sling	2.40
Six-Inch Maple Sheave Swivel Pulley, 22c each	per doz. 2.40
Six-Inch Maple Sheave Swivel, self-oiling, 22c each	2.40
Five-Inch Iron Pulley, 22c each	2.50
Faultless Knot Passing Pulley, 4 in. wide, 22c each	2.50
Faultless Knot, small yoke, 2-in. wide, 18c each	2.00
Faultless Knot Passing Pulley, 4 1/2-in. wide, 30c each	3.00
Faultless Knot, small yoke, 4 1/2-in. wide, 18c each	1.75

HAPGOOD REVERSIBLE WOOD TRACK CARRIER.

This Carrier will run on 4x4, 3x4 or 2x4 track, and will work either way from the stop without change, as it will pass the stop to right or left as well. All that is necessary to work it either way is to draw the main rope through and hitch to the end extending to the direction you wish to draw your hay.

AMOUNT OF GOODS USED FOR A 40-FOOT STEEL TRACK OUTFIT.

1 Steel Track Hay Carrier	\$3.75	40-ft. Double Steel Track	\$4.00
1 1/2 dozen Double Nut Hang Hooks	1.50	1 1/2 dozen Rafter Brackets	.65
8 Only Pulleys	.60	8 Only Floor Hooks	.10
1 Only Hay Fork	1.00	100 feet 1/2-Inch Rope	2.00
25 feet 1/2-Inch Rope	2.50	Total, \$14.41, or \$13.80 net cash.	

The above amount of rope is used if hay is unloaded from the center of the barn. If unloaded from the end of the barn you will have to add 41 feet more of rope 1/2-Inch and add 20 feet of 1/2-Inch rope. For a 50-foot outfit you would have to add 10 feet of steel track and 1/2 dozen Double Nut Hanging Hooks and 1/2 dozen Rafter Brackets.

The following is the amount of goods used for a 40-foot 4x4 Wood Track Outfit:

40-foot 4x4 Wood Track, purchaser furnishes this	
1 Hay Carrier	3.75
1 Hay Fork	1.00
1 1/2 dozen 1/2-Inch Hanging Hooks	1.50
1 1/2 dozen Rafter Brackets	.65
8 Only Pulleys	.60
8 Only Floor Hooks	.10
Total, \$7.55, or \$7.45 net cash.	

Rope same as on 40 feet of Steel Track. If wanted for a 50-foot barn, add 1/2 dozen Hanging Hooks and 1/2 dozen Rafter Brackets, 10 feet wood track.

GLAN ROCK, N.H., Sept. 10th, 1900.-Mr. E. Smith thinks he has the greatest bargain in this country. Your plans are going to take the lead in the near future and you will have a big trade here next Spring, as everybody is giving the best satisfaction. WILLIAM H. WILSON.

HAPGOOD BROADCAST SEEDER.



F. O. B., Chicago. Cut Price, \$6.50 net.

It is the latest Wagon End Seeder on the market, and superior to all others in the following essential points:

1. Being built heavier and stronger it is less liable to get out of repair than any other Seeder in use.

2. It is supplied with a **Spring Clutch**, which relieves the gears from sudden jerks and jars and consequent breakage, and by means of which the machine can be thrown out of gear without detaching the driving chain, thus avoiding any unnecessary wear driving to and returning from the field.

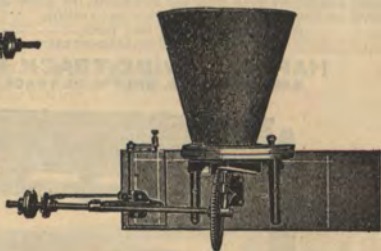
3. The Shaft is made of cold rolled **Steel**, and is much heavier.

4. The seed is cast with **greater force** than any other seeder, as the distributor or seed wheel is much larger, and throws the seed directly to the ground, and is consequently **less affected by the winds**. Shipping weight, 100 lbs.

THE CLIMAX END-GATE BROADCAST SEEDER.



Top View showing Sower with Hopper removed
and also illustrating the Adjustment of
Seed Plate and Wind Gauge.



A SUBSTANTIAL AND RELIABLE SELF-CONTAINED SINGLE ROTARY PLATE SOWER.

This machine is provided with a **wind gauge** which can be adjusted so as to make more or less cast on either side of the wagon, or an even cast on both sides, which allows of the Sower being operated successfully in quite strong winds.

Cut-off Slides are provided so that a half cast may be made in sowing next to a fence or in finishing a field, or both sides may be cut off at the will of the operator. The Sower can be thrown out of gear when driving along the road or from field to field. It is also fitted with a **Spring Clutch**, so that in starting or stopping there is no sudden strain or jar, consequently the wear is reduced and the life of the Sower is greatly increased.

The **Feeding Device** consists of a rotary plate in which there are nine sets of holes so graduated as to meet all requirements, and allow of sowing any desired quantity of seed per acre. Numbers are cast on the plate, and the directions which are attached to the Sower indicate what holes should be used to sow certain quantities of seed per acre, the number required always being in sight when the Sower is set for operation.

These machines are fitted with an **Agitator** or stirring pin which is secured to the end of the upright shaft, and revolves in the seed within the hopper, thus forcing the seed into the discharge openings, and making the feed uniform at all times. In the center of this the agitator fits close to the upper oil cup and prevents dirt, sand, etc., from working in around the shaft.

It will sow **100 Acres** of Wheat per day when the team is traveling $2\frac{1}{2}$ miles per hour, and will sow other kinds of grain or seeds at proportionate rates.

This machine will sow perfectly any kind of grain or seeds when they are properly cleaned and at any desired amount per acre. It will also sow dry fertilizers, salt, lime, ashes, etc.

THE WIDTH OF CAST IS AS FOLLOWS:

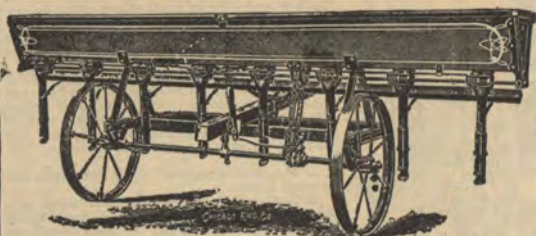
Wheat.....	From 36 to 40 feet wide.	Clover.....	From 14 to 16 feet wide.
Barley, Rye and Rice.....	" 30 to 34 "	Hungarian and Millet.....	" 12 to 14 "
Oats.....	" 28 to 32 "	Timothy.....	" 12 to 14 "
Flax.....	" 20 to 24 "	Plaster, Salt, etc.....	" 16 to 20 "

Crops sown with these machines are sure to be of good quality on account of the even seeding and uniform growth, and loss from weed patches caused by uneven sowing is avoided. Good crops and satisfactory results can be obtained by the purchase and use of this Sower.

WEIGHT, 105 Lbs.

PRICE, F. O. B. ALTON, \$6.95 NET.

HAPGOOD NARROW TRACK STEEL FRAME AND METAL WHEEL. FORCE FEED WIDE SOWER.



Has seat not shown in cut. Has the only Steel Frame Sower with Metal Wheel, having frame bent from one solid piece of pipe. The feed stands unchallenged as the best Force Feed ever made. Has detachable Grass Seed Sower; with our Improved Feed is made to accompany the machine when desired. The indicator and Scale Plate (which is marked for each of the different kinds of grain), are placed on the ear of the hopper, directly in sight of the operator, and

near the lever by which it is moved. The grain is discharged from the rear of the hopper, so that the flow of grain is in sight of the person operating the sower. The changes of quantity being made simply by the movement of the small lever attached to the sliding bar, there are consequently no change wheels to carry, and none to lose. It will sow every kind of grain in any desired quantity, and is warranted not to break grain or fail to feed. Possessing a force feed, giving an even, regular flow of grain, and the scatterers being completely wind-proof and adjustable, the grain is spread evenly over the surface of the ground—never too thick in one place and too thin in others.

Shipping weight, 400 lbs.; price.....\$19 25 11 feet wide.
Grass Seed Attachment extra.....2 00

HAPGOOD WIDE TRACK FORCE FEED SOWER. SAME AS ABOVE. ONLY WIDE TRACK, 11 Feet Wide STEEL WHEELS.



Shipping weight, 350 lbs.; price.....18 75 Grass Seed Attachment, price, extra.....\$2 00

HAPGOOD "AGITATOR" BROADCAST SEEDER. With Steel or Wood Wheels. 11 feet wide.

Our trade on this Seeder last year was large, and we have yet to hear of a single complaint. We offer it to the trade for the season of 1902, with a new style hopper, the lid of which is one piece, while the hopper, from its shape, being both broad and deep, is very commodious. However, we have decided to build it with steel or wood wheels, as desired, thus placing it at the head of this class of Seeders. The following points are well worthy of consideration: Broad high wheels, deep seed box, with three cart partitions extending to the top of box, each having an oil tube with covering cap or cover, where each bearing can be oiled with the box full of seed without disturbing same or emptying the box. Sows all kinds of grain and grass seed. The discharge is low, thus obviating any difficulty in windy weather. The operator can ride or walk, as desired, and from 20 to 30 acres can be sown in a day with an ordinary team. It is well made, the best material being used; well and finely finished, and a No. 1 machine of its class.

Shipping weight, 300 lbs.; price, \$14.25. A Cheaper and Lighter Seeder, \$12.75

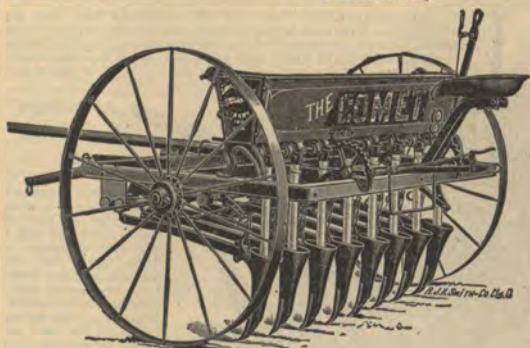
Do not compare with the cheap, inferior imitations on the market.

4 Per Cent. Discount on all the above for Cash with the Order. (No other Discounts.)

OUR NEW COMET HOE DRILL.

103

STEEL FRAME.



We claim to have the most accurate and equally distributing positive force feed there is made, and guarantee that it will sow accurately all kinds of grain without breaking a single grain. It sows from a half bushel to eight bushels per acre, and can be changed to sow any desired quantity by simply shifting the hand lever. This is a steel drill all the way through except the bottom of the hopper and the brake pin. The box or hopper, the frame, tongue, eveners and all are steel. It is a positive chain drive without any cog gears, and it is sold under the broad guarantee that it will give satisfaction in all cases.

8-Hoe. Shipping Weight, 500 lbs. Price\$32.50

For Spring Hoes, add 30 cts. for each Hoe. All Hoes are 8 inches apart.

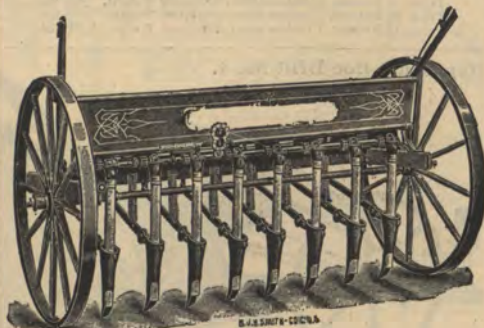
Grass Seeder Attachment for 8-Hoe. 2.50

"THE RIPPER" GRAIN DRILL.

WITH STEEL WHEELS ONLY.

"OUR 50 CENTS A BUSHEL WHEAT DRILL."

The low price of wheat has created a demand for a cheaper drill for putting in the crop, and to meet this demand we brought out "The Ripper," and have succeeded beyond our expectations, both in the completeness of the drill and the hold it has taken upon the trade. We make but two sizes of "The Ripper," viz: 8 hoe and 10 hoe, 8-inch pin brake with spring pressure. It is equipped with the "Improved Force Feed" which has a world-wide reputation as a perfect and accurate "Force Feed." It is double geared, strong and light, weighing but 400 lbs., and will sell from one-third to one-half less price than any first-class drill on the market, and will do as good work as any 8-hoe wheat drill ever made. "The Ripper" is nicely painted, striped and varnished and a good worker.



It has Steel Wheels. No Ratchets in the Hubs. Spring pressure on the Hoes. Is not furnished with Doubletrees, Neck Yoke, Hoe Shifter, or Spring Hoe Attachment. The Hoes are set zig-zag. It is a grand success and pleasure to bring out among Imitators. Buy the only Genuine Ripper.

PRICE LIST.

8-Hoe Ripper Drill with Spring Pressure.....\$29.00

10-Hoe Ripper Drill with Spring Pressure..... 33.00

2 per cent Discount from these prices for Cash with the order.

SUPERIOR FEED DEVICE.

A careful examination of the feeding device can not fail to convince any close observer that it possesses a better and more perfect feeding arrangement than any other drill on the market. Instead of the feed wheels being hung on the feed shaft, or driving shaft, as is done in other drills of a similar character, we cast on one side of the feed cup a journal, or bearing, on which the feed cup both rotates and slides. This journal being turned off true, and the wheel accurately bored out, it gives a perfectly even flow of grain. Whereas, in other drills having no fixed bearing the wheels and thimble will wobble about with the shaft, thereby causing an irregular, intermittent flow of grain.

CONSTRUCTION.—Round pipe, bent steel frame, metal wheels, steel draw bars, suction point hoes with spring pressure on same. Made of first-class material and finished in first-class style. We will furnish doubletrees or single-trees at a net advance of \$2.00. Drill is fully guaranteed to do as good work as any drill of its class manufactured by anyone in the world.

WILBURN, KAN., Sept. 2, 1901.—Am perfectly delighted with the Disc Gang. It rained an inch and a half here Sunday, and I started my plow in a stubble field, where there was a pond of water still standing, and we plowed right along. It is a daisy.
C. E. HAYWOOD.

HAPGOOD PRESS GRAIN DRILL.



8
10
12
&
14
RUNNERS

SHELBYVILLE, ILL., May 22, 1901.—Enclosed find draft for Disc Gang. Have been trying it in wet ground, dry clay and black muck. You do not guarantee it in wet ground, but I say that when the discs are scoured it will work any place, wet or dry, and where a mould board plow would not work at all.
J. W. BROWN:

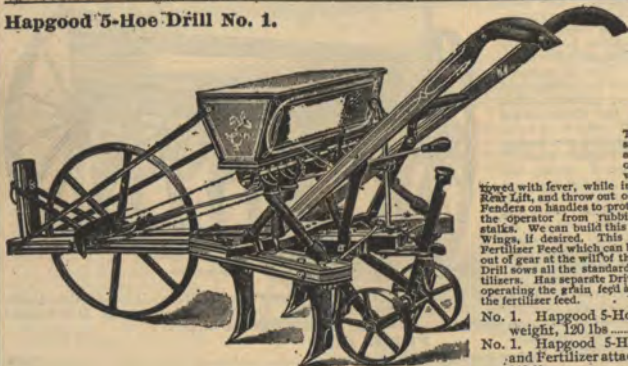
Advantages of the Press Drill.

Experience has shown that the grain sown with the soil pressed firmly down and with a well defined furrow is better than the old method, and our Press Drill insures an equal distribution of the seed. It has equalizing spring bars, can be used on rough as well as even ground, a positive force feed, simple in construction, and absolutely reliable as to

quantity sown. Has the lightest draft of its kind, and our lifting device makes it easy for a boy to operate. To be used for sowing Wheat, Rice, Oats, Rye, Barley and Flax without changing the gearing. The Runners are of the best polished steel, self-cleaning. The Wheels and Axles are Steel, absolutely force feed; run from a point near the center with a Sprocket Chain, Adjustable Seat; saves one-third of the seed, covers all the ground leaving no bare places. The only Machine made with equalizing Pressure Bars, without which no Drill is a success.

Price, 8 Runner, 8 inches apart, Shipping Weight, 775 lbs. \$40.00
Price, 10 Runner, 7 inches apart, Shipping Weight, 875 lbs. 46.00
Price, 12 Runner, 7 inches apart, Shipping Weight, 1,000 lbs. 52.00

Hapgood 5-Hoe Drill No. 1.



This Drill has the same Force Feed as is used in all our drills. Can be widened and narrowed

with fever, while in operation. Has Rear Lift, and throw out of gear. Examine Fenders on handles to protect the hands of the operator from rubbing against corn stalks. We can build this Drill with Spring Wings, if desired. This Drill has a Disc Fertilizer Feed which can be thrown in and out of gear at the will of the operator. This Drill sows all the standard grains and fertilizers. Has separate Drive Chains, one for operating the grain feed and the other for the fertilizer feed.

No. 1. Hapgood 5-Hoe Drill, weight, 120 lbs. \$11 00
No. 1. Hapgood 5-Hoe Drill and Fertilizer attached; wt. 140 lbs. 19 75

OUR ADVERTISEMENTS

You have no doubt seen in a great many papers, but it is interesting, both to us and the publishers to know what papers bring us the most business, and we would esteem it a great favor if in writing us, you would kindly mention in what paper you saw our advertisement that led you to correspond with us.

You have probably noticed our advertisement with different box numbers, and we would explain that we use those different box numbers to represent the different papers. We mention this because some parties have thought there was something wrong because we use so many different box numbers. If you were not led to write us through seeing our advertisement in a newspaper, kindly tell us what farmer's paper you take or prefer, so that we may place our advertisement in the same and keep you posted on the good things we have to offer. We want to thank our friends for not only the orders they have sent us, but for the good words they have spoken to their neighbors for us, and we hope they will continue to say a good word for us at all times.

HAPGOOD PLOW CO.

ALTON FARM MILLS.

Complete with Iron Circles on Drum Head, regulating screw on Hopper Slide and Zinc Top Sieve.

Do not compare our price with inferior Mills which are made of light material, and in which the drum or head is fastened to the posts by small cleats. They are \$3.00 less and poorly made. We can get them for you if you want that kind. We claim for this mill the following advantages:

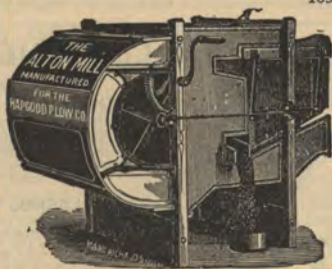
First. That it will clean all kinds of grain and seed, and more of it in the same length of time than any Mill in the market of the same size.

Second. The shoe is hung up on strong strapping hangers which prevents the breaking so common in inferior machines.

Third. The drum or head is fastened to the posts by a cast iron half circle, firmly secured, adding increased strength and durability to the Mill, and enables us to ship them knocked down without their being knocked out of shape. We raise and lower the slide of the hopper with a screw, which is done with ease and regulates the feed perfectly. Not used on other Mills.

The irons are of the most improved pattern, the wheel, pinion and shake irons being extra strong. The gearing is all placed on the inside of the Mill, out of the way. The bearing is formed by the hub of the large wheel running in a thimble or box, 3 inches long of chilled iron, and extending through the posts, giving it a steady and easy motion.

For cleaning and separating all kinds of grain we guarantee our Mills to be equal to, and, in fact, superior in all respects to any other now in use. The fan and wind boards are so arranged that the wind strikes the hurdle in such a manner as to blow all foul stuff and light grain over the hurdle. The slide spout delivers the No. 1 grain at the side and the No. 2 grain at the front of the Mill. The grader can be so adjusted as to separate and deliver through the side spout a greater or less portion of the best grain. The wheat screens and grader is so arranged as to effectually take out cockle, chaff or chert from No. 1 and No. 2 wheat. Price F. O. B. Chicago. Net cash. No discount.



No. 1 Farm Mill, Sieves 24 inches wide, weight, 150 lbs.

No. 2 Farm Mill, Sieves 30 inches wide, weight, 162 lbs.

Each Mill furnished with one Wheat Hurdle, one Wheat Screen and one Grader with Side Spout, one Barley Sieve and Out or Corn Sieve. All zinc sieves and other sieves and attachments furnished will be charged for as extras. Width of No. 1, 2 feet and 8 inches over all; No. 2, 2 feet and 2 inches. Height of Mills, 3 feet and 5 inches. Capacity for cleaning per hour: No. 1, 60 to 100 bushels; No. 2, 100 to 125 bushels. Farm Mills are shipped "Knocked Down" at first-class rates unless otherwise ordered, thus saving one-half in freight as charged when set up.

The successful separating of cockle from wheat had never been accomplished until we perfected our Attachment to the Alton. Our new Flax Attachment has proved a boon to every farmer who raises flax, and by the use of these Attachments you save the heavy deductions usually made for impure and foul grain, as well as the extra freight charges, cost of cleaning, etc.

EXTRAS—Wheat and Barley Hurdler.

All Wire, each	No. 1. \$ 1.75	No. 2. \$ 2.25	All Wire, each Spout attached	No. 1. \$ 2.25	No. 2. \$ 2.50
With Top Sieve of Zinc, additional	\$.50	.75			

Improved Flax, Timothy and Clover Seed Attachments.

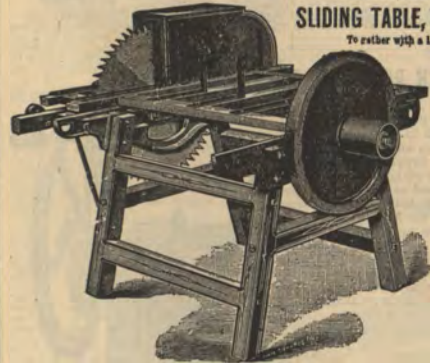
Consisting of Hurdle, Screen, Chess Board and Blinds.

Flax Attachment	No. 1. \$ 2.75	No. 2. \$ 3.25	Timothy Attachment	No. 1. \$ 2.75	No. 2. \$ 3.25
Clover Attachment	\$ 2.75	3.25	Sieves or Screens	1.00	1.25
Spout and Grader	1.25	1.50	Timothy Sieve, Board and Blinds	1.00	1.25
Clover Sieve, Board and Blinds	1.00	1.25	Flax Sieve, Board and Blinds	1.00	1.25
Cockle Attachment, one Zinc Sieve, one Wire Sieve and Board	1.50	1.75	Patent Cockle Attachment	1.50	1.75

WE OFFER OUR CUSTOMERS A FULL LINE OF

SLIDING TABLE, TILTING TABLE & POLE SAW FRAMES

To rather with a LINE of SAW BLADES that cannot be excelled any place.



This cut shows the Sliding Table Frame made either right or left-handed, to be run by tread power or any power using a belt. The frame is well-seasoned hardwood, thoroughly bolted all over, no nails. Heavy wrought iron braces, handsomely painted. Hood accommodates a 3-inch blade. The Table is run on two iron ways that form part of the frame, and rest on rollers, making it very easy to operate.

The shafting is 1 1/2-inch cold rolled steel. The BOXES are RABBETTED, and we use 5-inch pulley with 6-inch face, and every machine is set up and run until all parts are smooth and in perfect running order, fitted with a 1 1/4-inch arbor.

Price \$17.50

Shipping weight, 400 lbs.

Price, with 90-lb. Balance Wheel \$17.50

Shipping weight, 350 lbs.

Price, with 125-lb. Balance Wheel \$18.50

Shipping weight, 380 lbs.

We also make a Tilting Table Pole Saw Frame, the same design as the Tilting Table, cut and description of which we will be pleased to send to any one interested.

The price of Tilting Table Pole Saw Frame \$19.75 weight 450 lbs.

We make either right or left-handed frames, and can change size of arbor to suit customer without extra charge.

If you are interested in this class of goods, you cannot afford to buy without placing your order with us. If any further information or details are wanted, write us and we will send you special descriptive Catalogue and give you any information desired. We guarantee our saws and prices will interest you.

20 inch Saw, Gauge 13. Size of Hole 1 1/4, including Filing and Setting

22	"	"	12.	"	"	1 1/4.	"	"	"	"	\$4.50
24	"	"	11.	"	"	1 1/4.	"	"	"	"	5.25
26	"	"	11.	"	"	1 1/4.	"	"	"	"	6.00
28	"	"	10.	"	"	1 3/8.	"	"	"	"	6.50
30	"	"	10.	"	"	1 3/8.	"	"	"	"	8.00

We would be pleased to quote prices on the blades and iron parts where parties desire to make their own frames

GRIST MILLS, BONE MILLS, GREEN AND DRY.

FAMILY GRIST MILL NO. 0.

Price, \$3.75; wt., 30 lbs. Diameter of hand wheel, 20 inches. Price F. O. B. Alton.

This Mill is especially made for grinding Graham Flour or corn meal for table use. It can also be adjusted for cracking the grain if desired. It is a valuable implement to have in the kitchen, as you can have fresh Graham or corn meal when wanted. This mill is not to be compared to those made on the old style coffee mill principle. The grinding surfaces are very hard material, especially made for this purpose, and are ground off perfectly true on emery wheels, and will last for years. The shaft is made of steel and will not bend or break.

THE POULTERS. The No. 1 Hand Bone, Shell and Corn Mill for the Poultrymen.

This Mill will grind dry bones, shells, all kinds of grain, gravel, stones, old crockery, etc., etc. It is also a splendid machine for the housekeeper for grinding stale bread, cracker dust, roots, barks, spices, etc. A customer writes that he ground \$105 worth of oyster shells, which he sold, on the No. 1 Mill, and the mill is as good as new.

Price, \$3.75. Weight, 35 lbs.

Price with Iron legs, \$6.00; weight, 64 lbs. Two 7-16x3 1/2 bolts are needed when the mill is ordered without legs, to bolt it fast to a bench or plank. Price, 8 cents extra.

We also furnish a sieve attachment to this mill when crushing shells to take out the dust, and also in cracking corn to take out the fine meal. Price, 60 cents extra.



KING BONE CUTTER.
FOR GREEN BONES.
Nothing Cheap but the Price.

Has Steel Knives; can be taken out and sharpened and replaced in a few minutes. Diameter of hand-wheel, 22 ins.



CUTS EASY, FINE AND FAST.

With Stand, Weight, 50 lbs. Price, \$8.00.
Weight, without Stand, 50 lbs. Price, \$6.50.

I WAS FED OF BONE,
CUT BY THE
DAISY
BONE CUTTER



I WASN'T



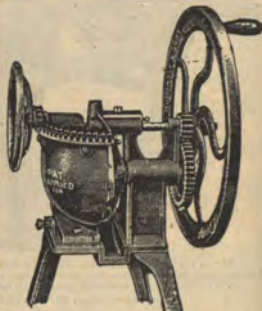
THE HUMPHREY GREEN BONE AND VEGETABLE CUTTER.

It is without question the best Machine on Earth of this kind. We absolutely guarantee it will do more work in less time, with the least power and with less fuss and bother than any Cutter on Earth. It is simple in principle, nothing about it to break or get out of fix. It is easily kept clean, and handles the bones without first breaking them up with an axe. Never has to be stopped to unpack the bone dumped in the cylinder as others do. It cuts both bone and vegetable, and reduces them to perfect condition for feeding. In fact it is guaranteed to be absolutely satisfactory in every way. You are to be the Judge, and get your money back if you are not satisfied.

If you are not familiar with this subject, we would be glad to send you a complete Catalogue giving you detailed information, and the advantages of feeding green bone to your fowls. The information we can give you on this subject is very valuable, and we hope to hear from you.

PRICE LIST

No. 1. Hand Power Machine.....	Wt. 120 lbs.,	\$12 00
No. 2. Light Power Machine.....	" 120 "	15 50
No. 3. Combined Hand and Power Machine.....	" 120 "	17 00



From these prices we give you 4 per cent discount for cash with the order, and deliver either F. O. B. Cars Alton, or Minneapolis, Minn., where we carry them in stock.

FEED MILLS AND GRINDERS.

THE CHAMPION AND EXCELSIOR



Mills, shown in cuts, have the same internal grinding arrangement. The one upon legs has a meal gutter and discharges all at one point, while the Excelsior sits upon a box and discharges all around the Mill. They have no set screws that require a mechanic to adjust, but are instantly changed as often as desired and put in operation by turning a crank at the top of the Mill. Grinding plates are quickly and cheaply replaced. The Hopper is very large and strong and can be instantly detached. They are made very strong and heavy throughout, and are not liable to break or get out of order. They have a double force feed and sheer cut which carries the grain rapidly through the mill, also assists in grinding corn with the shucks on better than any other Mill without extra attachments. It does not injure this Mill to run empty for a short time, and we guarantee them to grind faster, wear longer and run easier than any Mill of its class. Second class freight. No. 2 is size mostly used.

NOTE OUR EXTREMELY LOW PRICES.

Either Style, Same Price.

PRICE, SIZE AND CAPACITY OF REGULAR MILLS.

No. 2 Sweep Mill, one-horse, shipping weight, 300 lbs.; capacity 8 to 14 bushels meal per hour	\$18.00
No. 3 Sweep Mill, medium two-horse, weight, 350 lbs.; capacity 12 to 16 bushels meal per hour	22.00
No. 4 Sweep Mill, large two-horse, weight, 450 lbs.; capacity 18 to 22 bushels meal per hour	27.50

See the Above Cut Prices For 1901.

Will grind small grain and make family meal. Not cast iron Grinders, but **cast steel**. Any of our Mills will do all kinds of work, and do it equally well. The regular Mills are intended for crushing and grinding corn and cob for feed, and are much more rapid in ordinary grinding. They will also grind small grain and family meal, but do not grind so fast in fine grinding as our Special Mills, which are made expressly for that purpose.

As large capacity as any Mill made, and recent tests show 20 per cent more work than the so-called Triple Geared Mills that there is so much bragging about, and for which you are asked to pay 50 per cent. more than our price. There is absolutely nothing better made.

DEWEY SWEEP GRINDER.

No. 2. Dewey Grinder, One-Horse, Capacity, 8 to 12 bu. of feed per hour. Weight, 325 lbs.....	\$15.00
No. 3. Dewey Grinder, Two-Horse, Capacity, 12 to 14 bu. of feed per hour. " 375 lbs.....	17.00

Absolutely guaranteed to be the best Grinder on earth for the money. Other people are asking \$3.00 more for this same machine.



THE HAPGOOD DUPLEX TRIPLE GEARED, POSITIVE FORCE FEED, SELF-OILING, DOUBLE COB CRUSHER AND FEED MILL.

Absolutely the fastest Grinding Geared Sweep Mill ever offered the farmer. The only Mill we believe that is furnished with two complete sets of Grinders for coarse and fine grinding. We can only mention here a few of its good points, complete descriptive circular and testimonials sent if desired. Absolutely guaranteed to do all we claim for it or money refunded. Send along your order and try it yourself.

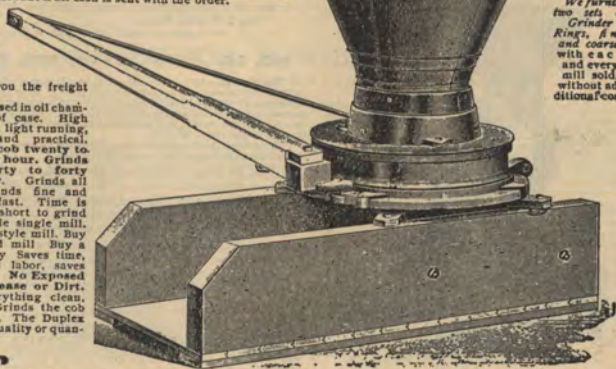
PRICE LIST.

	Wt.	Price
Hapgood Duplex Mill	400 lbs.	\$23.50

Four per cent. discount if all cash is sent with the order.

This price F. O. B. Des Moines, Ia. Would be pleased to quote prices delivered at your town on application. Your agent can probably give you the freight from Des Moines.

All Gearing enclosed in oil chamber in dust proof case. High Grade Mill; simple, light running, powerful, rapid and practical. Grinds corn and cob twenty to thirty bushels per hour. Grinds shelled corn thirty to forty bushels per hour. Grinds all small grain. Grinds fine and uniform. Grinds fast. Time is money. Life is too short to grind feed on an old style single mill. Give away your old style mill. Buy a high-grade geared mill. Buy a Sample. It will pay. Saves time, saves money, saves labor, saves feed, saves expense. No Exposed Gearing. No Grease or Dirt. No Danger. Everything clean, safe and perfect. Grinds the cob as fine as the grain. The Duplex has no equal in the quality or quantity of feed ground.



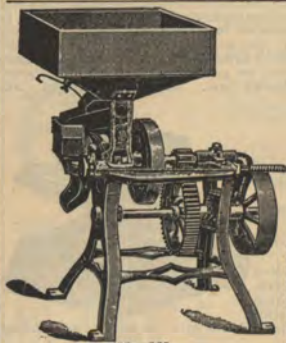
Extraordinary offer.

We furnish two sets of Grinder Rings, fine and coarse, with each and every mill sold, without additional cost.

REMEMBER—Has 2 Sets of Buhrs. The Best and Cheapest Mill Made for work done.

GRINDING MILLS.

We are headquarters for this class of goods. Our line is so large and complete that we are compelled to issue a special Catalogue to give the desired information. We wish to call your attention to a few of our bargains in this line, and to ask you to send for our big Catalogue containing full information. You cannot afford to buy a Grinding Mill without first getting our prices. So confident are we of our ability to meet all competition that we are willing to duplicate any price quoted by any other concern and give you a discount from their price of at least 5 per cent.



No. 100.

Mills to be driven from the counter shaft.
Shipped with Right-Hand Burrs unless otherwise ordered.

No. 90 Pearl Grinder, weight 180 lbs., with 3 sets of

No. 1 6-inch Burrs.....

4 per cent. discount for cash with order.

\$18 00

NO. 80. PEARL GRINDER.

No. 80 Pearl Grinder is about the same as our No. 100, except larger capacity, and a great favorite with farmers who want to use four, six to eight horses, as it can be attached direct to the tumbling rod. The mill will turn either way. With four horse power it has a capacity of 20 bushels per hour; six horse power, 25 bushels per hour; eight horse power, 35 bushels per hour.
Patent Automatic End Shake Feed Trough.

No. 80 Pearl Grinder, weight 280 lbs. Price complete,

with 3 sets of 2 8-inch Burrs.....

Furnished with Left-Hand Burrs unless otherwise ordered.

Price No. 1, 6-inch Burrs, per set, \$1.25.

\$24 00

No. 70 Pearl Grinder is the same as our No. 80, except that it is to be driven by Belt and Pulley. It is the same size, is also the same style as our No. 90, except larger. Furnished with Right-Hand Burrs unless otherwise ordered.

No. 70 Pearl Grinder, weight 240 lbs., with 3 sets of

No. 2 8-inch Burrs.....

4 per cent. discount for cash with order.

\$22 00

NO. 20. PEARL STANDARD BELT MILL.

This is a fine Mill for creamery or small farms. To be run with Wind Mill Tread Power, or two to four horse power. It is the cheapest and most economical Mill for the farmer to buy. It is complete with all improvements and devices for regulating the feed. Furnished with our double cut adjustable Burrs, and is made of all iron and steel, while our price puts it in the reach of all.

Capacity 12 to 25 bushels, according to the speed. Shipped with Right-Hand Burrs unless otherwise ordered.

No. 20 Pearl Standard Belt Mill, weight 140 lbs.,

Price, with 3 sets of No. 1 6-inch Burrs.....

No. 20. Same Mill, Geared with 3 sets of No. 1

6-inch Burrs, weight 170 lbs.....

Geared Mill sent with Left-Hand Burrs unless otherwise ordered.

No. 50 Pearl Grinder with Sprocket Wheel, and 3

sets of No. 1 6-inch Burrs.....

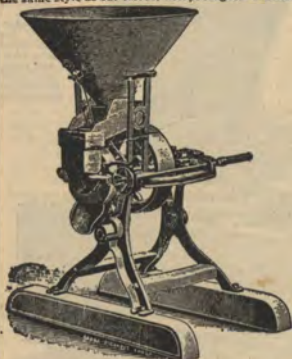
This is especially adapted for geared Wind Mills, to be run either with chain belt or with pulley. Full information sent on receipt of inquiry.
4 per cent. discount for cash with order.

GAINESVILLE, TEXAS, May 11, 1899.

Haggood Plow Co., Alton, Ill.:

Gentlemen.—I wish to tell you that the Boys' Cultivator I got from you is the best running Plow I ever plowed with, and I want some more of your goods.

J. W. LUPER.



No. 20.



FERTO-INSECTONO.

THE GREAT FERTILIZER AND INSECTICIDE.

ITS USES AND HOW TO USE IT.

What is Ferto-Insectono?—It is an inexpensive dark powder, as fine as flour and extremely diffusible, and comes all covered with a fine dust all plants over which it is sprinkled. While powerful in its effects, it will not injure the plant or the leaves in the slightest degree, and it is perfectly harmless to the persons handling it.

As an Insecticide it is an absolute annihilator of all insects, bugs or beetles that prey on vegetation. Positively kills Potato Bugs, Squash Bugs, Pumpkin Bugs, Melon Bugs, Currant Worms, Cabbage Worms, etc. It will kill all kinds of creeping things that eat the leaves of vegetables or plants. It is the choicest insecticide on the market.

How to Apply.—Any way to insure an even and thorough distribution on all the plants and leaves. We manufacture a machine called "The Perfection Powder Distributer," shown on the bottom of this page. It is a splendid machine for the purpose, and with its long handles you get the dust just where wanted. It may be applied with a bellows, or even with a small bag of coarse muslin. Put the powder in the bag and shake over the plants.

A good crop of Cabbage or any other vegetables cannot be obtained, no matter how good your soil and seed may be or how favorable the weather, or how much care and labor you expend on them, unless the vines and leaves are kept vigorous and healthy. Such a condition cannot be kept up unless all insects and bugs are destroyed as fast as they appear. The reason is obvious: Plants and fruit trees breathe through their leaves, and the leaves are essential to the development of the plant or tree as are the roots. Any cause that injures the leaves hurts the plant, and that which destroys the foliage destroys the root also. Therefore it is necessary that the vines and trees be kept growing and free from the ravages of insects and bugs.

The Potato Bug is the greatest enemy the potato grower has. He has a good mouth, with upper and under jaws and eats the leaves with a relish. "Ferto-Insectono" sprinkled on the leaves kills him with expedition and dispatch. Three crops of eggs are laid each year. Prompt action is therefore necessary. Just as soon as the potato bug makes his appearance, dust the vines thoroughly and carefully with "Ferto-Insectono." Kill off the first arrivals and you should not have any further trouble. The same course should be pursued in the cases of other pests.

The Melon, Cucumber or Vine Bug, can surely be exterminated, and your crops completely saved by using "Ferto-Insectono." Every person who has had experience with these dreaded pests, knows that prompt action is the only salvation for the crops. If "Ferto-Insectono" is 100 miles away your crops are doomed; hence prepare in advance. Be watchful and the moment they appear take the remedy to the field and you can treat your crops as quickly that no damage will result. Perfectly harmless to persons handling it and harmless when used on cabbages and other edible crops.

PRICE LIST.

5 Pound Packages	25c	10 Pound Packages	45c
25 " "	50c	50 " "	\$1.25
100 " "	\$2.00		

Order in quantities, as it costs as much to ship 5 lbs as it does 100 lbs.

FLY FUMA

A MERCIFUL MAN IS MERCIFUL
TO HIS BEAST.

Is a liquid preparation which, when applied to any animal in the form of a spray or rubbed on with a brush or cloth, will protect the animal from the attacks of Flies and all kinds of Mosquitoes, Gnats, Fleas, etc. It is a Positive Protection. It has been thoroughly tested and gives satisfaction. The time it affords protection from one spraying varies under different conditions of weather. If cows are treated in the morning before milking, it affords an absolute protection during milking and the greater part of the day. Toward evening its effect will have diminished, so as to require another application before milking. We guarantee where Fly Fuma has been applied: a fly or other insect will not stay a moment, whether on a Cow, Horse, Dog or on inanimate objects. Sprayed on the stable walls and ceiling, the flies will all leave as fast as they can find a hole to get out. One-fifth of a cent a day protects an animal, and in the case of cows they will return the investment many fold by the increased flow of milk in fly-time.

Your horse will serve you far better and not try your patience. Fly Fuma will save you repairs on harness and vehicles; save shoeing, as horses will not stamp their shoes off chasing the flies. Fly Fuma may save a runaway and your life, if used on a horse.

Fly Fuma is a great disinfectant. The best way to apply is with one of our Bug Exterminators.

PRICE LIST OF FLY FUMA.

One Quart Can	30c	5 Gallon Can	\$3.50
One Gallon Can	50c	10 Gallon Can	6.75



PERFECTION POWDER DISTRIBUTER.

(PATENT ALLOWED.)

We will not contend that there are "no new things under the sun," but we do know that there are new ways of doing old things and here is one of the big little things that will be welcomed by all farmers, gardeners, truckers and florists, who must fight insects, blight and fungi to save their crops. It is constructed so as to make the distribution of all powders the easiest, quickest and most effective. It consists of a receptacle for the powder, with perforated bottom, attached to a handle and hinged as shown. In operation, an upward swing of the machine has the effect of tipping the can up at the bottom and down at the top until its movement is arrested by the block on the handle. The stoppage is very sudden, and the effect is all the powder is thrown away from the perforated bottom toward the top of the can. Immediately following this movement, and of its own accord, the can reverses and drops back into its natural position, stopping very suddenly as it strikes the lower end of the handle. The result is, the powder is discharged in the most effective manner, spreading well over the plants. The agitation of the powder in the can prevents it from packing on the bottom, and if any coarse particles are contained, they do not materially interfere with the discharge of the fine particles until all is used. In ease of operation, saving of time, economy of material and thorough distribution, the Perfection Powder Distributer excels any other machine ever offered for distributing all insecticides in powdered form. For these reasons it appeals to the good common sense of everybody. The only questions you need decide are: Will I select the easiest way to do my work? Will I do a given job in one-half the time? Will I save half the material heretofore used? Will I improve my crops by more thorough work?

Price, only 50c. each.



BROADCAST HAND SEED SOWER.

Regular Price, \$1.50 Each.

Introduction Price, \$1.15 Each.

The cheapest Seed Sower. The Farmers' Favorite. Weight, 2 lbs. each.

We have manufactured our Broadcast Hand Seed Sowers for a number of years, and have sold many thousands. This year, however, we offer to our friends The New Century, and discontinue the manufacture of the old styles.

It is fitting that this new machine should begin its existence with the new century. Although seed-sowers have been used a century back this is the most important improvement that has been made in hand broadcast seed sowers in that time. It comprises one solid iron frame to which the few parts are attached, making it absolutely impossible to get out of order, and practically indestructible from ordinary usage, yet can be taken apart and put together in a couple of minutes. The large cog wheel as shown is seven inches in diameter and drives the distributor by a small cog wheel, which is part of the distributor. The distributor is our new style, superior to all others and not used on any but our manufacture of machines. The machine is equipped with agitator and seed gauge. The New Century is remarkable for handsome appearance, durability, lightness of weight, ease of running and quality of work it does. It weighs only about one-half as much as the old style machine.

It will Sow Wheat, Rye, Oats, Rice, Flax, Millet, Turnip Seed, Clover Seed, Grass Seed, including Light Grasses; in fact, all kinds of Seed Broadcast. Also Plaster, Fertilizer, Salt, Ashes, etc., etc.

It will sow at a round, Wheat or Rye, 50 feet; Buckwheat, 45 feet; Flax Seed, Clover and Millet, 35 feet; Grass Seed, 30 to 35 feet; other seeds, etc., according to their nature and condition. By the superior construction of the hopper and attachment of the sack it sows out clean. The old style seeders don't do this. Full directions with each machine.

This is an age of improvement, progress and keen competition. Farmers must have the best machines or they will be hopelessly lost in the race. They need this New Century machine on account of the seed it will save, the superior work it will do, as well as the ease of doing it. Many up-to-date farmers will lay aside their old machine and buy this up-to-date machine on sight.

Warranted to give entire satisfaction. Your money back if not satisfied.

The Eureka Kitchen, Garden and Hot Bed Seed Drill. It will sow and cover beets, cabbage, carrots, celery, lettuce, onions, radishes, spinach, turnips and all such seeds with the greatest regularity. The quality of the work equals that done with the costly machines and infinitely better and faster than hand work. By using this drill you save seed; you save time; you stand in an upright position; the work is easier; you get a better stand; you get better plants. Price, 75c.



Eureka Drill.

LITTLE DEMONS THAT DESTROY OUR CROPS

Good bye! ye bugs, ye crawling devils, who oft have brought us many evils. Your absence now may give some room for better things in years to come.

Extension handle for this Sprayer, which allows spraying into trees,

75c



Will you sit idly by while myriads of insects destroy what has cost you much money and labor to produce?

Every up-to-date farmer, gardener, fruit grower and florist will obtain one of our

ELECTRIC QUICK WORK SPRAYERS

and with it he will save his crops and exterminate the pests of the earth. The outline of the reservoir is triangle. The tube through which the poison is drawn terminates at the lowest point, with the result that the liquid or powder seeks that lowest point and always supplies the machine until it is entirely exhausted, whether worked upwards on the bushes and trees or downward on low plants and vines. Do you like a pleasant and easy way to do a hard and disagreeable job. THE QUICK WORK BUG EXTERMINATOR weighs only one pound, and one pound more when ready for use. You put your poison up in papers, like doctors do their powders, one teaspoonful to each, and take a dozen powders and a bucket of water to the field, and you have enough ammunition to kill the bugs on a couple acres of potatoes. You do the work at a moderate walk. Only one shot at each hill, and the whole plant, stalk, stems and upper and lower sides of the leaves are treated in such a perfect manner as to kill every bug. WHILE IT IS IMPOSSIBLE TO INJURE THE FOLIAGE. The people who have used this exterminator in the past saved their crops because the work was so light and done so quickly that there was no excuse for neglecting the job. Killing the bugs is now one of the easy jobs on the farm.

Don't put off getting a machine until your crop is half ruined. Begin early. With the QUICK WORK BUG EXTERMINATOR you can kill the hard-shell potato bugs as readily as the soft ones. By beginning early you save the trouble of killing millions later, and all that vitality of your crop saved.

Price, in tin, 55c each; 2 for \$1.00.

Price, in brass, 90c each; 2 for \$1.75.



IN THE GREENHOUSE



IN THE POTATO FIELD



SPRINKLES THE CLOTHES



ON SMALL TREES

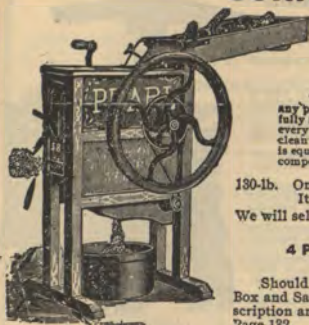
CORN SHELLERS.

THE "PEARL" SHELLER.

BECAUSE IT IS A JEWEL.

Square Frame as per cut, or Hocking Valley Style, all same Price.

This Sheller is made of hard wood. The gearing is all inside preventing any possibility of accident. It has wrought-iron shafts, and all bearings are carefully fitted. It is neatly painted, striped and varnished, and is well made in every particular. It will shell perfectly the largest and smallest ears, separates clean the corn from the cob, discharges from the end, runs easy, and we believe is equal to any Single-Hole Sheller on the market, while our prices paralyze all competition. All gearing is placed inside.



130-lb. One-Hole Pearl Sheller, with Fan or Feed Table Complete...\$5 00
It costs as much to ship one Sheller as it does a dozen.

We will sell you Two in one order complete at.....\$10 75
Three in one order complete at.....14 60

4 Per Cent Discount from these Prices for Cash with the Order.

Should you wish a 2-Hole Sheller, not Self Feed, but with Wagon Box and Sacking Elevator, advise us and we will send you cut and description and price on same. For a Self-Feed Sheller see our Perfection, Page 132.

Money refunded if not satisfactory: We have 1,000 bought. These must be sold. Prices P. O. B. Alton, Ill.

THE PEARL TWO-HOLE.

OUR TWO-HOLE SHELLER WITH COB CARRIER.

This Sheller is suitable for farm, warehouse or custom mill use. It has large capacity, is thoroughly well made and nicely finished. The frame is made of hardwood, the shafting of steel, and it is fitted with a HEAVY balance wheel.

The rag irons are adjustable, and may be set so as to shell either large or small ears of corn, and the machine will shell and clean corn perfectly.

Each Sheller is fitted with feed-table, fan, cob-carrier, crank and pulley.

An easy running machine to operate by hand, and just the Sheller that is needed in connection with power wind mill outfits.

The pulley is 8-inch diameter by 4-inch face, and when run by power should make 300 to 400 revolutions per minute.

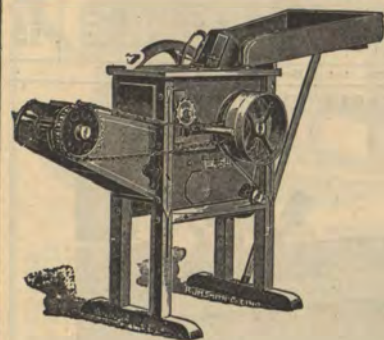
2-Hole Pearl Sheller with Fan, Feed Table and Pulley, shipping weight, 235 lbs.\$11 75

Same, with Cob Carrier, see cut.....14 60
It costs as much to ship one Sheller as it does a dozen. Consolidate your orders with those of your neighbors and make this saving, which costs us nothing.

Without Cob Carrier, Two Shellers at one time.....23 00

Without Cob Carrier, Three Shellers at one time.....34 00

4 per cent. discount from these Prices for cash with order.



FISHER, MINN., Aug. 5, 1899 Hapgood Plow Co., Alton Ill.: Gentlemen.—The Pearl Corn Sheller I had sent from you all winter works to perfection.

CUSHING, O. T., Dec. 5, 1899. Hapgood Plow Co., Alton, Ill.: Gentlemen.—The Two One Hole Pearl Corn Shellers are received, and they are all that you claim for them. I find them to be number one in every respect. Signed, C. T. WELLS.

THE ACME IS A PERFECT CORN SHELLER.

The simplest in construction, most scientific in principle, neatest and strongest, with largest capacity of any sheller on the market. It instantly adjusts itself to any size ear, removes all the kernels from the cob, dropping them in the box, and throws the cobs in a pile on the floor outside the box. A new, valuable feature possessed by this Sheller alone, is the peculiar construction of the teeth on the disc. Some of them are feeders that draw the ear into the Sheller without any crowding by the operator, others of a special shape and arrangement at the same revolution stripping the kernels from the cob.

It is the best and cheapest Sheller made.

Any farmer or poultry raiser who has feed to shell will save the cost of this Sheller in a few days. Guaranteed to do the work or money refunded. Weight, 9 lbs. Price, 90c.

OUR BOSS HAND SHELLER.

Just what you have been looking for. Strong and cheap. Capacity 4 to 8 bushels per hour. Portable, can be used any place on the farm, in the shed or the kitchen. Shells corn, pop-corn or seed corn. It is just the thing, even though you may have a large Sheller. It is always ready when you want to use it. Has a perfect butter and tipper, turns easy; any child can run it, while at our price you cannot afford to be without one. Price, 90 cts. Costs as much to ship one as a dozen. Send for a dozen and go out and sell them among your neighbors.



"King Bee" Vertical Three Roll Cane Mill.

We have no space to describe this mill in full, but we guarantee this mill to be made of the very best material throughout, and for strength, durability, simplicity and efficiency it has no equal.

1. These mills have the gearing cast separate from the rolls, so that in case of breaking of a gear, an outlay of about three dollars will buy a new one.
2. Reversible Feed Guide—Can be worked on either side of the mill.
3. Increased Gearing—Safety in Operating.—The top plate is made with a flange which strengthens the plate, and at the same time covers the gear, so that all danger to the operator is obviated, and the clogging of gearing prevented.
4. The shafts are made of the best open hearth selected steel, and the castings of the best pig iron, tested by the highest standard of strength. The boxes are all brass lined.
5. Simplicity.—By simply removing four nuts with the wrench provided, the mill can be taken to pieces and access had to any part of it for cleaning or repairs. Every journal can be oiled without removal of any part.
6. By our improved mode of oiling the lubricant is taken directly to the bearings.
7. Improved Sweep-Cap with Straps.—The new angling sweep-cap is a great improvement. By this plan you cannot only use a straight sweep-cap, but with the straps the boring of holes in sweep is unnecessary.
8. The Long Main Shaft—Makes it possible to set the mill near the ground, so that it is more convenient for the operator to feed, and requiring shorter posts or frames.
9. Lightest Running Mill.—Being free from all clogging of cane between the teeth and rolls, and the rolls being raised from bottom plate, and having their bearings in a lubricated box in the bottom plate, thereby relieved from the friction common to other mills, and consequently runs with much lighter draft.
10. Quality Work.—The work done is of the best quality. It presses the cane dry so that the bagasse can be burned—only a strong mill can do this. Mills with wooden rolls leave from thirty to fifty per cent of juice in the cane.



DIMENSIONS, WEIGHTS, CAPACITIES, PRICES, Etc

Size.	Horse-Power	Size Large Rolls		Size Small Rolls		Gals. Juice per Hour	Tons Cane in 12 Hours	Weight	Price
		Lgth.	Diam.	Lgth.	Diam.				
No. 0	Light 1-Horse	8	x 8½	5	x 6½	40 galls.	1½ to 2½	870 lbs.	\$16.00
No. 1	1 Horse	8½	x 10	5½	x 7	60 galls.	2 to 2½	470 lbs.	21.00
No. 2	Heavy 1-Horse	6½	x 12	6½	x 7	60 galls.	3 to 3½	570 lbs.	24.00
No. 3	2 Horse	7½	x 14	7½	x 8	85 galls.	3 to 5	675 lbs.	27.50
No. 4	Heavy 2-Horse	9	x 16	9	x 8	100 galls.	5 to 6	975 lbs.	45.00

Can Furnish Any Kind of Cane Mill. Let us Know What You Want.

COOK'S PORTABLE EVAPORATOR.



WITH FURNACE AND PAN.

An Evaporator means Pan, Furnace, Chimney and Grate complete.

This Evaporator is so well known that comment is unnecessary, except to say that it is made of the best material, uniform thickness, and will not buckle, bag or warp, and will last longer than a great many of the so-called Cook Evaporators which are made of light material. Our pan is the cheapest pan in the market, as it saves labor, fuel, and makes more and better syrup and sugar.

Prices on Doors, Frames, Grate Bars, Collars, Flues, Plates, Pipe, Skimmers, in any size, quoted on application.

No.	Size of Pan.	Estimated Capacity for 12 hours, Gallons.	Price of Furnace without Pans.	Price of Galvanized Pans.	Price of Copper Pans.	WEIGHT.	
						Iron.	Copper.
2	44 x 72	30 to 40	\$10 00	\$4 75	\$12 95	250 lbs.	275 lbs.
3	44 x 90	40 to 50	11 00	6 75	15 75	275 lbs.	300 lbs.
4	44 x 108	50 to 60	12 00	8 85	18 50	300 lbs.	350 lbs.
5	44 x 126	75 to 120	13 00	7 85	21 50	350 lbs.	400 lbs.
6	44 x 144	100 to 150	16 00	8 85	24 75		

Add the price of Furnace and Pan together and you have the complete price.

FEED CUTTERS.

HAY, STRAW, CORN STALK AND ENSILAGE.

OUR LEVER CUTTER is made on the most improved pattern, with an adjustable gauge to regulate the length of cut. Just what is wanted for cutting for one horse or cow. Made of hard wood and the best of material. Shipping weight, 60 pounds. Regular price, \$6.00. Our cut price for 1902, f. o. b. Chicago, \$3.75.

HAPGOOD HAND CUTTER.

This is adapted to general work on hay or straw; is simple, strong and durable. It has 9 inch Spiral Knives, giving it an easy cut at small expense of power. It is self fed, has strong gears. The material and workmanship are the same as in the most expensive Cutters, while our price is below all competition.

Shipping weight, 125 pounds. List Price, \$19.00

Our Price, f. o. b., Chicago, \$11.50

CHAMPION HAND FEED CUTTER, NO. 1.

For a Hand Feed Cutter this is the most desirable size for all purposes. It is made very strong, heavy and durable, and works easier for the capacity than any Cutter made. It has the upward cut, rocking feed roller, and the power is applied directly to the knife shafts without any intermediate gears. It has three knives $\frac{5}{8}$ inch long, and will cut all kinds of material easy and rapidly. The length of cut is $\frac{1}{2}$ and $\frac{3}{4}$ of an inch.

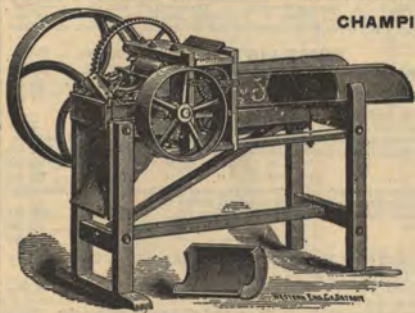
Shipping weight, 200 pounds.
Price, f. o. b. Chicago, \$14.00.

Capacity, 400 lbs. per hour.
Extra Knives, each 65 cents.



CHAMPION FEED CUTTER, NO. 2.

HAND OR POWER.



This is the most popular Feed Cutter on the market, either hand or power; has 4 10-inch knives, and the length of cut is $\frac{1}{2}$ and $\frac{3}{4}$ of an inch. It is so constructed that the cutter can be driven from either side. It has the upward cut, Rocking Feed Roller and Safety Balance Wheel. The knife shafts run in three babbitted boxes on the power machine, and the power is applied directly to the knife shaft. Speed, 400 to 600 revolutions a minute. Capacity, 2,000 lbs. per hour, dry feed. It is also furnished with carrier. It can be adjusted to either straight, right or left hand delivery. It is also made with Masticator or Crusher Attachment. Shipping weight, 300 pounds.

SEE OUR LOW PRICES.

No. 2. Hand Power, shipping wt., 275 lbs.	\$17 00
No. 2. For Hand and Power, " 300 "	19 75
Feed Mill Attachment for No. 2 Cutter	13 50
Shredder Attachment for above	14 00
Crusher Attachment for above	11 25

THE CRUSHER SHREDDER ATTACHMENTS.

By the use of this corn fodder is rendered nearly equal to ensilage. In fact, every farmer who has not a silo, or thinks he cannot afford one, will find a partial substitute in our Crusher Attachment. By its use the fodder after passing through the knives, is split, crushed, dusted and smoothed to such a degree that the cattle will eat every bit of it, and it will not make their mouths sore, as is often the case in feeding ordinary corn fodder. Farmers also know that corn stalks cut in the usual way will not all be eaten. The coarse stalks have always to be thrown out of the mangers in the morning. This is not the way with fodder run through our Crusher; it is all eaten. It is a fact probably not generally known, that the greatest nutrition in a corn stalk itself is from the ear down, as this portion contains more of the substance, (such as sugar and starch) that go to make up the ear. This being the case, the base of the stalk should always be saved; and to do this a crusher is indispensable.

No. 3 Cutter, power only, shipping weight, 500 lbs.	\$34 65	No. 4 Cutter, power only, shipping weight, 800 lbs.	\$47 50
Shredder Attachment extra for above	18 00	Shredder Attachment for above	22 00
Crusher Attachment extra for above	12 50	Crusher Attachment for above	17 50
Feed Mill Attachment for Nos. 3 and 4 Cutters	16 00	12 ft. Carrier for either No. 2, 3 or 4	15 75

All over 12 feet 95 cents a foot extra.

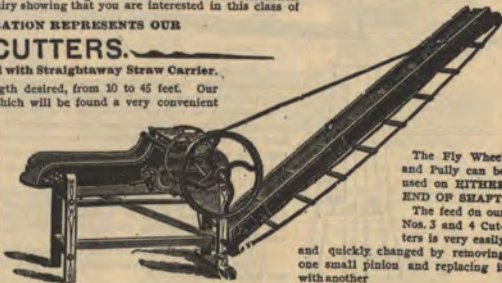
A Complete Descriptive Catalogue of this class of goods with full detailed information will be promptly sent on receipt of inquiry showing that you are interested in this class of goods.

THIS ILLUSTRATION REPRESENTS OUR

Nos. 2, 3 and 4 CUTTERS.

As Arranged with Straightaway Straw Carrier.

We can furnish Carriers any length desired, from 10 to 45 feet. Our Angle Carriers are all reversible, which will be found a very convenient feature in using them about a silo, as it is often necessary to elevate to the right or left or straight away.



Send for complete Catalogue and full information on the use of these goods.

The Fly Wheel and Pulley can be used on EITHER END OF SHAFT. The feed on our Nos. 3 and 4 Cutters is very easily and quickly changed by removing one small pinion and replacing it with another.

ROUND TANKS.

Steel Tanks

Are so strongly braced with angle steel, that they must not be compared with tanks of cheap construction. At this date, January 1st, 1901, we give 33 1/3 per cent discount, but as steel fluctuates in price, we prefer to have you send us your inquiry, state just what you want, and we will quote you the bottom price at that time.



No.	Diam.	Height.	Capacity.	Weight.	List Price.
1.	4 ft.	2 ft.	6 bbls.	102 lbs.	\$9 00
2.	"	3 1/2 "	7 "	109 "	10 00
3.	"	4 "	9 "	112 "	11 00
4.	"	4 1/2 "	12 "	147 "	13 00
5.	"	5 "	14 "	124 "	11 50
6.	"	5 1/2 "	17 "	129 "	14 00
7.	"	6 "	18 "	138 "	15 50
8.	"	6 1/2 "	19 "	149 "	19 00
9.	"	7 "	24 "	160 "	16 50
10.	"	7 1/2 "	27 "	169 "	19 00
11.	"	8 "	30 "	169 "	20 00
12.	"	8 1/2 "	34 "	231 "	25 00
13.	"	9 "	34 "	269 "	30 00

Special sizes of above Tanks made to order.
Covers made at small extra expense.

OBLONG TANKS.

ROUND ENDS.



No.	Width.	Height.	Length.	Capacity.	Weight.	Price.
B-13	2 ft.	2 ft.	6 ft.	5 1/2 bbls.	100 lbs.	\$9 00
13	"	2 1/2 "	8 "	7 1/2 "	128 "	11 00
14	"	2 1/2 "	8 "	9 1/2 "	145 "	12 00
15	"	2 1/2 "	8 1/2 "	12 "	185 "	13 00
16	"	2 1/2 "	8 1/2 "	12 "	150 "	13 00
17	"	2 1/2 "	8 1/2 "	12 "	141 "	13 00
18	"	2 1/2 "	8 1/2 "	14 "	166 "	15 50
19	"	2 1/2 "	8 1/2 "	15 "	181 "	16 50
20	"	2 1/2 "	8 1/2 "	17 "	193 "	19 00
21	"	2 1/2 "	8 1/2 "	22 "	215 "	28 00
22	"	2 1/2 "	10 "	14 "	178 "	15 50
23	"	2 1/2 "	10 "	18 "	204 "	19 00
24	"	2 1/2 "	10 "	21 "	219 "	21 50
25	"	2 1/2 "	10 "	24 "	224 "	26 00
26	"	2 1/2 "	10 "	24 "	247 "	24 00
27	"	2 1/2 "	10 "	29 "	270 "	27 00
44	"	2 1/2 "	16 "	80 "	272 "	80 00

We will tap tanks for pipe if desired. The above prices are net F. O. B. Chicago. Always order by numbers.

OBLONG TANKS—

SQUARE ENDS.

No.	Width.	Height.	Length.	Capacity.	Weight.	Price.
A-28	2 ft.	2 ft.	4 ft.	5 1/2 bbls.	92 lbs.	\$7 70
B-28	"	2 1/2 "	4 1/2 "	7 1/2 "	105 "	8 80
C-28	"	2 1/2 "	4 1/2 "	7 1/2 "	108 "	12 10
D-28	"	2 1/2 "	4 1/2 "	7 1/2 "	124 "	9 00
E-28	"	2 1/2 "	4 1/2 "	7 1/2 "	160 "	35 20
F-28	"	2 1/2 "	4 1/2 "	7 1/2 "	178 "	13 20
G-28	"	2 1/2 "	4 1/2 "	7 1/2 "	185 "	14 30
H-28	"	2 1/2 "	4 1/2 "	7 1/2 "	185 "	14 30
I-28	"	2 1/2 "	4 1/2 "	7 1/2 "	204 "	17 00

No.	Width.	Height.	Length.	Capacity.	Weight.	Price.
84	4 ft.	2 ft.	8 ft.	15 bbls.	216 lbs.	18 15
85	"	2 1/2 "	8 "	17 "	224 "	20 00
86	"	2 1/2 "	8 "	23 "	275 "	25 80
87	"	2 1/2 "	8 "	23 "	210 "	17 00
88	"	2 1/2 "	10 "	18 "	240 "	21 45
89	"	2 1/2 "	10 "	21 "	270 "	23 55
90	"	2 1/2 "	10 "	19 "	261 "	22 00
91	"	2 1/2 "	10 "	24 "	290 "	26 40
92	"	2 1/2 "	10 "	29 "	312 "	29 70

GALVANIZED STEEL TANKS

Are an established success. Made of best annealed steel and heavily galvanized. All seams securely riveted between steel bars. Heavy steel angles for top rim. With ordinary care the Galvanized Steel Tanks will last a life time. Cannot rust from freezing. Cannot decay or rot. Always ready for use. Economy is wealth. You cannot afford to waste time and money on Wooden Tanks, when you can buy the GALVANIZED STEEL TANKS for the same money.

MERIT COMPARED.— GALVANIZED STEEL TANKS vs. WOODEN TANKS.

WOODEN TANKS.—Always some defective stave or place in the material. Will shrink, swell, rot, leak, fall down. Are very heavy and weak in construction. Notice that the hoops are all that hold them together. Sides are tapered to prevent hoops from falling off, 4 to 6 inches above bottom. You must keep them well soaked to prevent leaking.

GALVANIZED STEEL TANKS.—Uniform quality and that the very best. Will not rot, shrink, swell, leak or fall down. Will weigh only one-half as much, and are very much stronger. Hoops are out of style. Capacity one-fourth more, because sides are straight and the bottom is the bottom. No soaking required. They never leak. Are you on our side?

Patent Corrugated Steel Tanks.

Corrugated Galvanized Steel Storage Tanks and Cisterns.

No.	D'm'r	HL.	Cap.	Price.
1.	3	4 1/2	8	\$12 00
3.	3	6 1/2	12	15 00
5.	3	8 1/2	16	18 00
7.	4	4 1/2	14	18 00
9.	4	6 1/2	21	26 00
11.	4	8 1/2	28	35 00
13.	5	4 1/2	22	28 00
15.	5	6 1/2	32	38 00
17.	5	8 1/2	44	48 00
19.	5 1/2	4 1/2	26	35 00
21.	5 1/2	6 1/2	40	45 00

40 per cent discount from above price. If you want anything in this line let us know your requirements.

Pat. Underground Corrugated Steel Tanks. All Sizes.



WAGON TANKS. All Sizes.



Steel Tanks. All Sizes and Shapes.



Flat Steel Tanks. All Sizes.



Corrugated Steel Tanks. All Sizes.



Corrugated Steel Tanks. All Sizes.



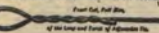
Corrugated Steel Tanks. All Sizes.



MANUFACTURE Steel Roofing, Siding and Ceiling.



MANUFACTURE AND HEADQUARTERS FOR HAY BALE TIES AND PLAIN WIRE.



MANUFACTURE STEEL FENCING AND RAILING.





Fig. 470.

BARREL SPRAY PUMP,

constructed on the most improved plan. It has our patent submerged cylinder, is double acting, has patent expansive rubber bucket, large air chamber to cushion the spray, is provided with two discharge ports, one on each side, of which one or both can be used for spraying. The base is properly shaped to cushion the side or head of barrel, has steel pins, long handle—is fitted with brass upper and brass lined lower cylinders with ground brass check valve and brass seat. No rubber or leather packing. It is very powerful and easy to operate; will throw an even, mist-like spray over any fruit tree, and will throw a solid stream 60 feet from the point of nozzle. With the proper hose or pipe extension these pumps are adapted for use in vineyards, gardens or orchards for the extermination of any kind of insects, for washing buggies and other uses. All barrel pumps fitted with agitator without additional charge.

No. 470, pump only, with strainer and agitator. Price.....\$8 00
No. 470, pump, single discharge, complete except barrel, consisting of pump 6 feet of 1/4-inch 8-ply hose, Vermorel or Bordeaux spray nozzle, 3 feet of suction pipe, strainer and agitator.
Price.....\$6 50
Double Discharge.....7 50

The Fountain Knapsack, holds 5 gallons, weighs 52 lbs. when full. All working parts are brass. Is constructed of first quality Galvanized Iron, with round corners, built precisely the same as our regular Knapsack with removable strainer and tight lid which prevents liquid from splashing on operator. It is fitted with adjustable straps so as to be carried on the back, or it can be carried by bail as shown by dotted lines.

It is tapped at both right and left hand lower corners and fitted with brass female ends to which two hoses are attached, either one or two strings of which may be used at one time. When one hose only is used the other opening is closed with a metal plug furnished for that purpose.

The Hose and Bulb are made of the best white rubber and protected at each end by coiled wire to prevent breaking.

The Valves are made of brass and will not corrode, have large openings which permit the free flow of water and shut off instantly when under pressure.

The Nozzle is made of brass, nickel plated, has fifty small openings, and throws a spray 6 feet wide at a distance of twelve feet.

Operation: The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown any distance from three to fifteen feet as desired, on relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that purpose.

The operator can cover one or two rows of plants or vines as desired and do the work at a rapid walk, thus covering a large amount of territory in a very short time.

We furnish this hose and fixtures to be attached to a barrel or tank placed on wagon. This is desirable when spraying large fields of cotton or potatoes.

PRICE LIST.

Fountain Knapsack Spray Pump with one Tube, Rubber Bulb and Rose as shown in Fig. 599. Price.....\$2 50
Fountain Knapsack Spray Pump with two Tubes, Rubber Bulbs and Roses, to work with both hands. Price.....\$4 50

THE BUCKET BRASS SPRAY PUMP AND FIRE EXTINGUISHER, WITH AGITATOR.

Constructed entirely of brass. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up; it is not necessary to steady the pump with a foot rest; is fastened by means of a small clamp which attaches to the top of the bucket or tub and steadies the pump, holding it in proper position.

The nozzle throws a continuous spray, and is not affected by the movement of the plunger. The operator is enabled to keep a constant pressure on the nozzle of from 50 to 120 lbs. with very ordinary exertion. It will throw a solid stream 60 feet and is of unusual value in washing windows, buggies, and extinguishing fires, sprinkling lawns, flowers, etc. For spraying it is arranged so as to discharge a fine jet in the bottom of the bucket and keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only and a very necessary feature to a spray pump. The pump is also provided with a sprinkler for flowers.



Fig. 599.



Fig. 600.



Fig. 490.



Fig. 476.

No. 4920. Bucket Brass Spray Pump with agitator, complete with hose and combination fine and coarse spray and solid stream nozzle. Price.....\$2 50
No. 4921. Bucket Brass Spray Pump with agitator, complete with hose, combination, fine and coarse spray and solid stream nozzle and a 6-ft. pipe extension. Price.....\$3 75

4 per cent Discount for Cash with Order.

whether black or galvanized;

We show a few of the leading styles of Pump Standards and prices on the same. The proper way, however, to buy a pump is to pick out the style of Pump Head you want, state the depth of your well, the amount of water usually in the well. Give the size of pipe you wish to use, and the size of Cylinder and whether iron or brass lined, and on receipt of this information we will be pleased to quote you price on the Pump delivered at your railroad station all fitted complete ready to drop into your well.

With our modern machinery we can cut the threads and fit the pump for a few cents, that it would take a man with improper tools a whole day's time. We have sold hundreds of pumps during the last season, and have always pleased our customers. Give us an opportunity to figure on your requirements.

Pumps, Wind Mill Pumps--Pitcher Spout Suction Pump.

This cut shows our Closed Top Pump, fitted with revolving bearer, and by raising the lever the valves are tripped and the water let out of the pump. It is arranged to be used for either lead or wrought iron pipe. Also furnished with closed spout if preferred. The base is to be bolted to the stand.



No. 205 1/2.

No.	Diam. of Cyl.	Stroke.	Suction.	Lift.	Iron.	Brass or Porcelain Lined.
1.	2 1/2 in.	4 in.	1 in. pipe.	28 ft.	\$1 50	\$2 25
2.	3 in.	4 in.	1 1/4 in. pipe.	35 ft.	1 65	2 50
3.	3 1/2 in.	4 in.	1 1/2 in. pipe.	35 ft.	1 75	2 75
4.	4 in.	6 in.	1 3/4 in. pipe.	35 ft.	2 00	3 00

STAR LIFT PUMP STANDARD.

Has revolving top and bolted base. The wrought-iron connecting pipe-screws into the base, which may be separated from stock by taking out base bolts. This will be found convenient for making rod and pipe connection over wells. Always fitted for size of pipe given below. Stroke, 6-inch; well rod, 1/2 of an inch.

No.	Suction.	Lift by placing cylinder within 15 or 20 feet of water.	Price.
1.	1 inch pipe.	2 1/2 in. Cylinder. 40 feet	\$2 00
2.	1 1/4 inch pipe.	2 1/2 in. " 40 "	2 25
3.	1 1/2 inch pipe.	2 1/2 in. " 40 "	2 50
4.	1 3/4 inch pipe.	3 in. " 30 "	2 75
5.	1 7/8 inch pipe.	3 1/4 in. " 30 "	3 00



No A853.

NEW STAR FORCE PUMP.

This is made with tight top, polished rods and links above. The air chamber is made by enlarging stock at the top. These are tapped for pipe near the spout, and each has an outlet back of the spout for attaching pipe and the spout is provided with hose tube and nut to screw on, thus doing away with clamps. 6 inch stroke, 7-16 inch well rod. Discharges 1 1/4-inch pipe and 3/4-inch hose.

Lift by placing cylinder within 15 or 20 feet of water.

No.	Suction.	Lift.	Price.
No. 1.	1 1/4 inch pipe, 2 1/2 inch cylinder.	60 feet.	\$4 50
No. 2.	1 1/2 inch pipe, 2 inch cylinder.	45 feet.	5 00



No. A845.

NEW LIFT PUMP STANDARD, FOR MANUAL OR WIND POWER.

This cut shows the Standard with wind-mill top, and is the best goods in this line of its class. Are tapped for pipe near the spout and have supporting brace. We can fit 6 or 10-inch stroke pumps for 1 1/4, 1 1/2 or 3-inch pipe, but will always fit as below, unless otherwise directed.

Lift by placing Cylinder within 15 or 20 feet of water.

No.	Stroke.	Suction.	Well Rods.	Lift.	Price.
No. 1.	6-in.	1 1/4-in. pipe.	7-16 in.	2 1/2 in. Cylinder, 40 ft.	\$3 50
No. 2.	10-in.	2-in. pipe.	7-16 & 1 in.	3 in. Cylinder, 30 ft.	4 00



No. A422.

Send us your specifications and we will make you prices,
all fitted complete, ready to drop into the well,
that will astonish and please you.

FORCE PUMP STANDARD. FOR MANUAL OR WIND POWER.

This Pump answers every requirement. The air chamber is formed by enlarging stock at the top. The standards are tapped for pipe near the spout, and each has an outlet back of the spout for attaching pipe. The spout is provided with hose tube and nut to screw on instead of a cheap clamp. All Pumps will be tapped as below unless otherwise ordered. Discharges 1 1/4-in. pipe and 3/4-in. hose.

No.	Stroke.	Suction.	Well Rod.	Lift.	Price.
No. 1.	6-in.	1 1/4 in. pipe.	7-16 in.	2 1/2 in. Cylinder. 100 ft.	\$4 50
No. 1A.	10-in.	2 in. pipe.	7-16 & 1 in.	3 in. Cylinder. 60 ft.	5 00

Lift by placing Cylinder within 15 or twenty feet of water.



No. A1032.



PIASA BIRD.

PIASA BIRD Ready Mixed Paints,



PIASA BIRD.

OF ANY DESIRED SHADE OR COLOR, READY FOR THE BRUSH. QUALITY GUARANTEED.

The reputation of these PAINTS for BRILLIANCY and ECONOMY is fully established. They are made of the PUREST MATERIALS, and will not fade, crack or peel off. They will cover more surface, give a better finish, and last longer than any other paints made, including the old style white lead and oil. We shall keep the quality of our Paints up to the HIGH STANDARD we have adopted, whatever others may do. Send for Sample Card showing colors. OUR PIASA BIRD LABEL ON EVERY CAN.

TO ASCERTAIN THE AMOUNT OF PAINT REQUIRED TO COVER A GIVEN SURFACE,

Add the number of feet (front and rear) to the number of feet in length (both sides), multiply this by the average height, divide by twenty, which will give the number of gallons required for two coats.

EXAMPLE.

Add front.....	20 feet
Add rear.....	20 feet
Add side.....	80 feet
Add other side.....	80 feet
	100

Multiply by 20
Divide by 2000 (10 gallons
in round numbers for two coats.)

Packed in cases each containing 6 one-gallon cans, 12 half-gallon cans, and 24 quart cans, and in Pails, Kegs, Half-Barrels and Barrels.

No additional charge for packages.

PRICE PER GALLON, F. O. B. ALTON, ILL.

Usual Retail Price.

Our Price, Per Gal.

	In 1-Gal. cans.	In ½-Gal. cans.	In quart cans.	In 1 Gal. cans.	In ½-Gal. cans.	In quart cans.
Pure White, inside and outside.....	\$1 35	\$1 40	\$1 45	\$1 05	\$1 10	\$1 15
Pure Black.....	1 35	1 40	1 45	1 05	1 10	1 15
Shade No. 18, Blue.....	1 65	1 70	1 75	1 35	1 40	1 45
Shade No. 17, Window Blind Green.....	1 65	1 70	1 75	1 35	1 40	1 45
Shade No. 18, Vermillion.....	2 20	2 25	2 30	1 90	1 95	2 00
All other shades.....	1 35	1 40	1 45	1 05	1 10	1 15

Paints take fourth class freight. Shipping weight, about 12 pounds per gallon.

Our Piasa Bird Paints we believe give you the best value on the market for the money, and we think are the most economical to use. Recognizing, however, that people's tastes differ, we can also furnish a cheaper grade, which we call our **BLUFF CITY**, at 15c per gallon less than the above prices. Sample color cards sent on receipt of inquiries.

We also have our **Strictly Pure Paints**, which are **STRICTLY PURE PAINTS**, for parties who desire the best there is made, the price on the same being 25c per gallon more than the Piasa Bird Paints. Send for sample color card.

BARN, BRIDGE AND FENCE PAINTS.

WE BEG TO CALL YOUR ATTENTION TO OUR VERY LOW PRICES.

We have spared no pains or expense to make these Paints a success, and feel amply repaid for our efforts, and now feel assured that a trial is all that is required to convince the trade of their superiority over all other brands of similar goods.

PRICES.

	Retail Price.	Our Price.
Gallon Cans, per gallon.....	\$1 00	\$0 70
Barrels, 5c per gallon less.		

We guarantee these goods to give satisfaction.

FLOOR PAINT.

This Paint is made of GENUINE MATERIALS and other materials which our large experience has shown us is necessary to make a PERFECT FLOOR PAINT. Where others have failed we have succeeded in making a FLOOR PAINT that will fill the cracks and pores of the wood and make a smooth, hard and lasting covering. Do not be induced to try any of the imitations now in the market. Send for our PIASA BIRD FLOOR PAINT. Use no other.

PRICES

	1-gal. cans.	½-gal. cans.	quart cans.	1-gal. cans.	½-gal. cans.	quart cans.
All shades, each.....	\$1 30	0 75	0 50	1 00	0 60	0 40

OUR CARRIAGE PAINTS

ARE THE BEST IN THE MARKET FOR REPAINTING CARRIAGES, BUGGIES AND WAGONS.

They are made of the best imported colors and hard-drying body varnish. They are ready for the brush, and can be applied by any one. Our large and increasing sales are a guarantee of the merits of these Paints. These Paints require no varnishing.

PRICES.

	1-gal. cans.	½-gal. cans.	quart cans.	1-gal. cans.	½-gal. cans.	quart cans.
Black, Yellow and Green, each.....	\$1 00	0 70	0 70	0 70	0 50	0 50
Vermillion and Wine Color.....	1 10	0 80	0 75	0 75	0 55	0 55

ROAD, TONGUE AND WHEEL SCRAPERS.

121

The two cuts of Scrapers below show the two leading and best Scrapers in the world, and are so well known that comment is hardly necessary.



BOSS SCRAPER.

This is made from heavy plates, hardened steel and stamped from one sheet, without joint, seam or rivet. It differs from the Columbus in shape, and in the manner of attaching the handles, but is in other respects equal to the Columbus, and the superior of any other Scraper on Earth.

No. 1. Capacity, 7 Cubic feet. 90 lbs \$6 00
No. 2. Capacity, 5 " " 80 " 5 50

Add for Steel Runners or Steel Bottom Plate same as the Columbus.

If you want anything in the shape of a Scraper, or wish any further information, write us and we will send you complete descriptive Catalogue with more detail information than we have room for here. Beware of cheap scrapers!



THE COLUMBUS.

The Columbus is made longer and deeper than ever before; is made of a single sheet of steel pressed into the best shape. It is a continuous curve from center, giving it great strength and large capacity. It is without a joint or seam, and there is not a sharp corner, angle, bolt, brace or stay rod about the Scraper. Will work in any soil, whether plowed or not. We guarantee it to fill easier, and clean better than any other Scraper. Will scour where others will not.

PRICE LIST.		Wt.	
No. 1. Capacity, 7 Cubic Feet.	102 lbs.		\$3 96
No. 2. " " 5 " " "	94 "		5 45
Runners, Extra.	8 "		30
Double Bottoms, Extra.	8 "		60



This Scraper and Ditcher is designed for making and leveling roads, cutting and cleaning, irrigation and other large ditches, and well adapted for moving earth short distances, at minimum cost to users.

The Steel Blade is of extra quality, size 48 inches x 4 inches wide x $\frac{1}{4}$ inch thick, and a sharp-cutting edge. The Shoes are best Wrought Steel, and Draw Bars of Steel, strong and durable. The Scraper Box and Handles are made of well seasoned lumber, and thoroughly bolted together.

There is an extra Iron Plate under the wood bottom, 31 inches long x 4 inches wide x $\frac{1}{4}$ inch thick. Scraper has the "Flipper Trigger" and Jaw of Malleable Iron. A Malleable Wrench and Draw Pin combined, accompanies each Scraper.

No. 1 Scraper and Ditcher, 48 inches wide, weight, 123 lbs., price.....\$6 75

No. 2 Scraper and Ditcher, 36 inches wide, weight, 113 lbs., price..... 6 25

All our Scrapers have Steel Bottoms, with ground edges, and best Steel or Malleable Shoes.

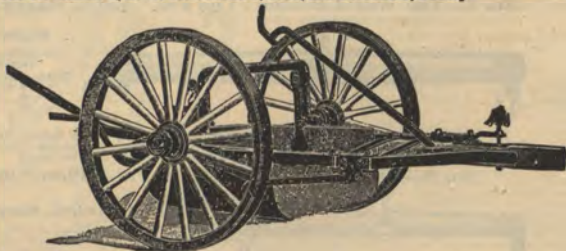
No Whiffletrees or Neck-Yokes furnished with Scrapers.

PRESSED BOWL WHEEL SCRAPERS.

WITH "K. & J." PATENT WHEELS.

[PATENTED NOVEMBER 4, 1879, SEPTEMBER 8, 1885, AND OCTOBER 5, 1886.]

The only perfect and practicable Wheel Scraper. The BEST, STRONGEST AND EASIEST WORKING Wheel Scraper ever put on the market. The bowl is stamped from one solid plate of wrought steel, three-sixteenths of an inch thick, without joint, seam or rivet, and owing to the fact that they are pressed hot, we are able to use much harder and stiffer steel than is possible in the old



style, square box wheelers, which are cut and bent up cold. Large numbers of the common wheelers have been used in years past, because there was nothing better to be had. All leading contractors now use our wheelers. The Tongue is made with a double Steel Cross-Truss connecting the end of the tongue to the draw bars, which makes it perfectly rigid and prevents the sagging of the draw-bars, or tongue braces. The Dumping Hooks are made longer and attached underneath the draw-bars, bringing them in a direct line of draft. These two improvements in the tongue make the Scraper much easier to fill, on account of light draft upon the team, and effectually prevents the Scraper from jumping or "gouging" while filling in hard material.

We furnish our Wheel Scrapers with our improved "K. & J." wheels, having Hardened Iron Hubs, or with "Sarven" Patent Wheels, as ordered, and guarantee either wheel to outlast the Scraper.

The Bottoms of all Pressed Bowl Scrapers are Oil Tempered Price, F. O. B. ALTON.

The largest sized Scraper, capacity, 17 cubic feet, is easily operated by one man. No strains on horses' necks.		
No. 1. Capacity, 10 cubic feet. Weight, 450 lbs.		\$28 50
No. 2. Capacity, 15 cubic feet. Wheels, 40 in. in diameter; tire, 3 1/2 x 1/2 in. Size of Bowl: length, 36 in.; width, 36 in.; depth, 14 in.; all inside measurement. Tracks, 4 feet 7 inches. Weight, 600 lbs.		39 00
No. 3. Capacity, 17 cubic feet. Wheels, 45 in. in diameter; tire, 3 1/2 x 1/2 in. Size of Bowl: length, 42 in.; width, 42 in.; depth, 16 in.; all inside measurement. Tracks, 5 feet 2 in. Weight, 74 lbs.		44 00
No. 3 has Draft-Rod. No. 2 sent with Draft-Rod only when specially ordered. "Sarven Patent" Wood Wheels on these Scrapers are \$2.00 extra. Whiffletrees and Neck-Yokes are extra. Square or round bowl, always state which is wanted.		
Complete descriptive catalogue sent in answer to inquiries.		

THE CELEBRATED WORLD BEATER COE PATENT WHIFFLETREE

MADE FROM SELECT HICKORY, PAINTED BLUE, AND
WITHOUT DOUBT THE BEST AND MOST ATTRAC-
TIVE GOODS ON THE MARKET

READ COMPLETE DESCRIPTION AND ITS MANY ADVANTAGES.

No. 1.—The World Beater "Coe Pat." Tripletree.



For Salky Plows or for Walking Plows.

Price, 1 only	\$2.50	Price, 4 in one order	\$ 9.00
" 2 in one order	4.75	" 6 " "	13.00
" 3 " "	7.00	" 12 " "	25.00

The ordinary length of the base bar is 40 inches, eveners, 30 inches, singletrees, 26 or 28 inches; weight, complete 30 lbs. We can make any length of base bars up to 48 inches. Eveners and singletrees to correspond. Has self-locking end clips, and is quickly detached and every part useful for other purposes. The base being a very strong doubletree for plow, scraper or other heavy work. The Eveners can be used for very heavy singletrees, and the three singletrees for plow or wagon. There is nothing approaches it for strength, lightness, utility and cheapness. We make this tripletree with an oval base bar without hook centre when desired.

No. 5.—The World-Beater.

"Coe Pat." Plow Doubletree.



Regular Length, 36 inches. Length, 20 to 40 inches.
Shipping Weight, 6 lbs.

Price, one only	\$0.35
" 3 in one order	1.00
" 6 " "	1.85
" 12 " "	3.75

One very great advantage this tree has over all others—it requires no lap link to hitch our "Coe Pat." Singletrees to the end clips. The hitch can be made in two seconds. This saving of time and lap link is worth the price we ask if the tree had no other advantage. The farmer will appreciate the value of this doubletree.

No. 7.—The World Beater "Coe Pat." Extra Heavy Singletree.



PLow OR WAGON.

Regular Length, 30 inches.
Shipping Weight, 4½ lbs.

Price, one only	\$0.35
" 3 in one order	1.00
" 6 " "	1.85
" 12 " "	3.60

This Singletree is extra heavy, made of good seasoned material, from 26 to 36 inches. The end clips are self-locking and can be hitched to our "Coe Pat." Doubletrees without the use of a lap link. This is the same tree we use as EVENERS in the "Coe Pat." Tripletrees, and is strong enough for a doubletree.

No. 8.—The World Beater "Coe Pat." Plow Singletree.



Regular Length, 26 inches. Shipping Weight, 2½ lbs.

Price, one only	\$0.18
" 3 in one order	0.50
" 6 " "	0.90
" 12 " "	1.75

This tree is indeed the "World Beater." Length, 18 to 30 inches. The ends of the wood are compressed and the clips forced on by a powerful machine (thus testing every clip) and securely nailed, therefore do not come off. It is wider between the traces than other trees, because it pulls from the extreme end. It requires no lap link to hitch it to the "Coe Pat." doubletree. Clips are self-locking, and do not come unhitched in turning rows. It is the BEST ORCHARD tree; the hooks turn in and will not injure the vine or tree.

No. 9.—Our New "Eclipse" Plow Singletree.



Regular Length, 26 inches. Length, 24 to 30 inches. Varied.
Shipping Weight, 2½ lbs.

Price, one only	\$0.17
" 3 in one order	0.48
" 6 " "	0.90
" 12 " "	1.70

This is intended to supplant the common singletree. The end clips are nailed on. It pulls from the end of the tree, and the center fits our "Coe Pat." Doubletrees without using a lap link. It is superior in every way to the common cheap singletree. It is about the same in price.

ORDER BY NUMBER.

HAPGOOD PLOW CO., ALTON, ILL.

PRINCETON, Ill., March 4th, 1899.—Gentlemen: In 1897 we commenced introducing your Hay Rack Brackets and Clamps, and the sales have increased rapidly. Our customers speak in the highest terms of them, and we believe that the day for the use of bolts and hay racks is past. Enclosed find our order for 8 dozen sets. Yours truly,

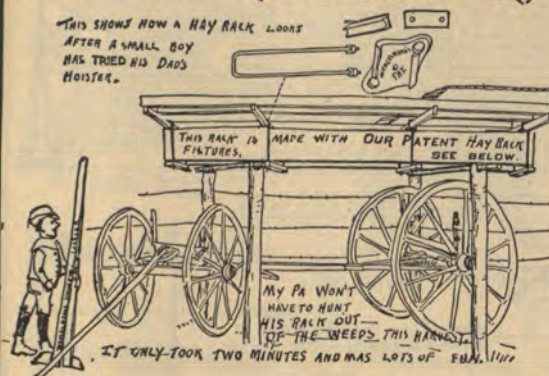
PRISTLEY HARDWARE CO.

THE UNIVERSAL HOISTER,

The Wonder of the Century.

Can Lift 250 Lbs. with One Finger.

THIS SHOWS HOW A HAY RACK LOOKS
AFTER A SMALL BOY
HAS TRIED HIS DAD'S
HOISTER.



This machine was invented to save the farmer that Back-Breaking work of loading and unloading Hay Racks and Wagon Boxes. Every farmer will at once see the advantage of this tool. By its use that laborious work is made mere play, and a very small boy can load or unload a very heavy hay rack or wagon box with ease and perfect safety. It is also very convenient for greasing wagons, buggies and surries, by simply attaching it to the axle and turning the crank. A buggy can be lifted from the ground at either end by the Universal Hoister and held there until you grease, wash the wheels, or do any other work desired.

This machine is also useful for pulling posts out of the ground when rebuilding fences, by simply looping the rope around the post, turn the crank and up comes the post.

Every man that has butchering to do will appreciate the Hoister when he learns how easily he can yank a 400 lb. porker out of a barrel of hot water.

NO FAMILY REUNION NECESSARY.

If you have a Universal Hoister on your farm it will not be necessary to have a family reunion every time you want to put on your rack or wagon box in order to get help enough to raise it. You will not be compelled to run to your neighbors for help. If your racks or wagon boxes are kept off the ground and out of the weeds they will last many years longer.

The power in the Hoister is self-contained, and the load is always held at any height without use of ratchet or pawls of any kind. A backward or forward movement either lowers or raises the load, but it can never slip. There is nothing to get out of order, and with ordinary care should last a lifetime.

THE PRICE IS EXTREMELY LOW.

The very low price places it within reach of those of limited means, and it will be handed down from generation to generation as a great labor-saver.

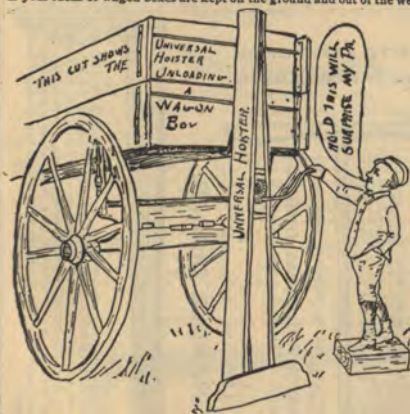
It will save its cost the first month, and your children will stay on the farm in order to use it.

Regular Height, 7 feet; Rope, $\frac{1}{2}$ in.; shipping weight, 20 lbs. Price.....\$3 00

Extra Height, 10 feet; Rope, $\frac{1}{2}$ inch.....3 25

REDDICK, ILL.—Gentlemen: We have sold your Patent Hay Rack Brackets and Clamps, and also your Disc Sharpener for years. They always please our customers, and we highly recommend them to every farmer. The Rack Brackets are simply perfection in themselves and make a neat and strong hay rack without riving the timber with holes as is the case with bolts. The Disc Sharpeners have never been equalled, and always do perfect work. Dealers will do well to carry a stock of Sharpeners and Rack Brackets, as they are staple as nails. Very truly yours,

W. H. REILLY CO.



PATENT HAY RACK BRACKETS AND CLAMPS.

No Vertical Bolt Holes to Weaken the 2x4 and 2x8.

Staple as nails. With them any farmer can erect the strongest and neatest Hay Racks without boring holes through its main frame work, and much cheaper than the old way.

OUTFIT No. 1.—Outfit No. 1 consists of 8 steel clamps to clamp over upper 2x4, then through the iron support bracket, then past the 2x8, through the lower 2x4 (floor sill), then through lower steel clip; 8 upper washers (grooved steel), 8 lower (steel) clips, 8 flanged and studded brackets (4 right and 4 left), total, 32 pieces; weight about 16 lbs. A blacksmith would charge \$3.50 for the 8 steel clamps, to say nothing of the 8 washers, the brackets, flanged and studded, 8 clips, etc. Our Special Price.....\$1.20

Send for a Set. Thousands Now in Use.



INDESTRUCTIBLE STEEL POST.

As Cheap as Wood and a Hundred Times Better. For Farms, Lawns, Hitching Posts, Cemetery, Etc.

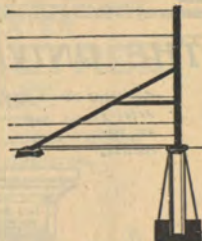
The first cut shows the regular Fence Post. The base is of burned and vitrified fire clay of great toughness, and glazed so that it is not affected by moisture or frost. The Post is of high carbon angle steel 52 inches high, exclusive of the base, and punched with any number of holes to receive the ordinary fence staple which holds the wire on the outside and clinches on the inside. The steel post is set rigidly, and securely fixed forever in the center of the base with Portland cement, and is coated with asphaltum paint. You will readily see that all the material used in the construction of these posts is absolutely indestructible, that water will not injure them, neither will fire or frost affect them. The Steel Post that sets above the ground will neither rust, burn or rot out.

Cut No. 2 shows the construction of the end post. The bottom plate is 14 inches square, and a cast ring is securely fastened on the top of the base, and from there to the bottom plate.

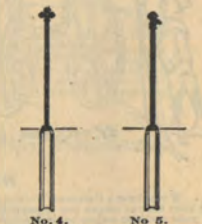
Cut No. 3. The corner posts absolutely fasten in both directions.

Cut No. 4 shows our Ornamental Fence Post, Base 30 inches high; upright 42 inches above the base; holes punched as may be desired. Ornamental Top.

Cut No. 5, Hitching Post, is 30 inches high. Upright, 42 inches above the base, made of round gas pipe with knob and ring.



No. 2.

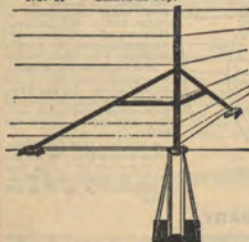


No. 4.

No. 5.

PRICE LIST.

	Weight.	Each
Standard Line Post.....	30 lbs.	.30
Standard End Post, comp	100 "	2.25
" Corner " "	125 "	3.00
Ornamental Posts,	30 "	.50
Hitching " "	65 "	1.50
Street Corner Posts,	125 "	1.50
Grape Arbor, Per Section,	100 "	2.75



No. 3.

Perfection Post-Hole Digger.

THE LATEST AND BEST DIGGER OUT.

This DIGGER contains the improvements of all other Diggers, beside possessing many advantages which others do not have. The shoulder extending from the upper part of the sockets are provided with mortises and tenons which interlock, making a firm connection that absolutely prevents all side motion when in operation, at the same time preventing the operator from getting his hands pinched as is often the case with other Diggers.

This DIGGER is made of good material, well finished, is durable and substantial, and can be recommended to any one wishing a good post-hole digger.

To those who prefer boring instead of digging, we recommend the IMPROVED POST HOLE and WELL AUGER, which is the best in the world.

PRICE, 95c

MADE TO PERFECTION IN EVERY PARTICULAR.



THIS is the ONLY AUGER that has met with universal satisfaction under all conditions of soil. It is unexcelled for easy and quick work. With this Auger an operator can do three times as much work as with any other Auger or Digger now in use; no matter in what condition the soil may be, there is no action when the Auger is removed from the hole.

THIS AUGER has also proved itself a great success as a WELL AUGER. Many farmers have successfully bored new wells and deepened their old ones with this Auger during the dry season, while they wells did not hold water. Those that have

used them would not be without them under any consideration.

SEND FOR TRIAL ORDER.

If goods are not found as represented, the same may be returned to us at our expense.

Inch,	5	6	7	8	9	10	11
Price,	\$1.50	1.60	1.80	1.90	2.00	2.15	2.30

SPLIT HANDLE DIGGER.



The merits of this Digger are known to thousands who have used them, who are better judges than we can describe in this circular. A hole may be dug in any size and the ground is easily removed; when the digger is forced into the ground and closing in on the jaws the blades will hold the soil, and by throwing the blades in opposite directions will liberate the soil and cause it to drop out. By removing the bolt this tool can be used as separate shovels; it is often used in gravel soil; from that source it has received its merits. We warrant this Digger as being made of better material and workmanship than similar goods offered by our competitors. The blades are made of Solid Cast Steel, and are thoroughly tempered.

PRICE, 85c.

These goods carried in stock and shipped from Alton with other goods.

THE TORNADO KIT OF TOOLS, FOR FARMERS, STOCKMEN, PLANTERS AND MACHINISTS. The BEST ON EARTH. Consists of



Combination Anvil and Vise, Hardened Face, Finely Polished, Wt. 50 lbs. Price, separate, \$6.00.



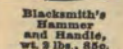
Adze Shoeing Hammer and Handle. Wt. 9 ounces. 55c.



Screw Plate, 3 Taps, 3 Set Dies, Cuts $\frac{1}{8}$, $\frac{1}{4}$ and $\frac{1}{2}$ inch, \$4.50.



Blacksmith's Cold Chisel, $1\frac{1}{2}$ lb. Solid Cast Steel, 55c.



Blacksmith's Hammer and Handle, wt. 3 lbs., 55c.



Farrier's Knife, Westenholtz, 55c.



Farmer's Forge, No. 5 H. Will heat $1\frac{1}{2}$ -in Iron. Price, separate, \$6.00



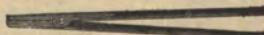
Farrier's Pinchers, Cast Steel, 11 in., 55c



Blacksmith's Hot Chisel, $1\frac{1}{2}$ lb. Solid Cast Steel, 55c.



Blacksmith's Drill Press, Hand Feed, Wt. 50 lbs., \$6.00.



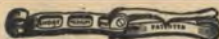
Blacksmith's Tongs, Wrought Iron, 18 ins., 55c.

EVERY TOOL ON THE LIST THE BEST THE MARKET AFFORDS, AND SO WARRANTED.

Our Vise is solid and strong. Face $4\frac{1}{2}$ inches; Jaws 3 inches wide and open 4 inches. Our Drill is not a cheap bench drill, but a Genuine Blacksmith's Foot Drill with Adjustable table. D Hts $\frac{1}{2}$ -inch hole to the center of a 17-inch circle. Compare it with other Drills offered with kits of tools. Our Forge is built expressly for our Kit, 15 inches high to top of Bowl. Bowl 14 inches in diameter, Pan 8 inches in diameter. Weight 45 pounds. We guarantee it the lightest running, strongest blast, and the best Forge made for the purpose.

THE ABOVE KIT, complete, weight 150 pounds.....\$31.00.

We warrant every tool the best made, and the Kit, complete, the best and cheapest on the market. Satisfaction guaranteed. Buy these tools. Save time! Save trouble! Save money! Four per cent. discount for cash with order.



PERFECTION HAME FASTENER.

Will not break. Fits any harness. Never wears out; cheaper than a strap and buckle. Works either right or left. Every farmer should have from 2 to a Dozen of these. Fits hames 5 to 7 inches.

1 Fastener.....	17c	6 Fasteners.....	\$1.00
8 "	\$1.00	12 "	\$1.70

Postage, 6c each; order with other goods costs you nothing for transportation.



COMBINED WRENCH, BUGGY JACK AND OILER,

FOR BUGGIES AND LIGHT VEHICLES.

A great Favorite. Receives the burr, holds it securely without soiling the hands, instantly converted into a Jack. Remove the wheel, pull the trigger, oil the axle, back goes the wheel, on goes the nut, ready for business. Time: One Minute.

Send for complete descriptive circular. A wonderful tool at a small price.

Combined Wrench, Jack and Oiler.....\$1.00.

TULSA, TEX., June 1, 1901.—Many farmers have come to see my plow at work. It is the finest plow they ever saw, and I want to say that it will plow wetter land and do better work than any mould board plow I ever saw. Hand you another order. A. F. RICKS.

Mend Your Harness, Belts, Straps, Etc.,

WITH THE

**HOUSEHOLD
HARNESS MENDER!**

PRICE PER SET, \$1.50.



IT WILL SAVE YOU TIME, TROUBLE AND MONEY.

- CONTENTS.**
- 1 Wood Lever Sewing Clamp,
 - 1 Sewing Awl Haft,
 - 1 Harness Awl for same,
 - 1 Saddler's Round Punch,
 - 1 Ball Shoethread,
 - 1 Ball Shoe Wax,
 - 1 Paper Harness Needles,
 - 1 Pkg. Copper Rivets and Burrs,
 - 1 Steel Rivet Set for same.

Securely Packed in a Strong Box.

Weight, 10 lbs.

OUR EXCELSIOR HOME REPAIRING OUTFIT. NO. 1.

Do not compare this magnificent set with the cheap imitations that are now being put on the market.

14 ARTICLES PACKED
IN A NEAT STRONG
BOX.

PRICE, \$1.50.



EVERY FAMILY WANTS ONE.
THEY SELL LIKE HOT
CAKES.

A complete Outfit of Tools for BOOT, SHOE, RUBBER,
HARNESS and TINWARE Repairing.

CONTENTS.

- | | |
|-------------------------------|---|
| 1 Iron Last for Men's Work, | 1 Pkg. Clinch Nails, $\frac{1}{4}$ in., |
| 1 Iron Last for Boys' Work, | 1 Pkg. Clinch Nails, 6-8 in., |
| 1 Iron Last for Women's work, | 1 Pkg. Heel Nails, |
| 1 Iron Last for Children's | 4 Pairs Heel Plates, assorted |
| Work, | sizes, |
| 1 Iron Stand for Lasts, | 6 Harness Needles, |
| 1 Shoehammer, | 1 Harness and Saw Clamp, |
| 1 Shockknife, | 1 Box Slotted Rivets, assorted |
| 1 Peg Awl Handle, | sizes, |
| 1 Peg Awl, | 1 Rivet Holder for same, |
| 1 Wrench for Peg Awl Handle | 1 Harness and Belt Punch, |
| 1 Sewing Awl Handle, | 1 Soldering Iron ready for use |
| 1 Sewing Awl, | 1 Handle for same, |
| 1 Stabbing Awl Handle, | 1 Bar Solder, |
| 1 Stabbing Awl, | 1 Bar Resin, |
| 1 Bottle Leather Cement, | 1 Bottle Soldering Fluid, |
| 1 Bottle Rubber Cement, | 1 Copy Directions for |
| 1 Bunch Bristles, | Halfsoling, etc., |
| 1 Ball Shoe Thread, | 1 Copy Directions for |
| 1 Ball Shoe Wax, | Soldering. |
| 1 Pkg. Clinch Nails, 4-8 in., | |

Set No. 2, same as above, except last 11 items.

\$1.10.

A BOX OF AMMUNITION FOR
THE BATTLE OF ECONOMY IS

ECONOMY...**...COBBLER.****CONTENTS.**

- | | | |
|--------------------------|---------------------------|----------------------------|
| 1 Iron Stand for Lasts, | 1 Shoeknife, | 1 Sewing Awl, |
| 1 Last for Men's Work, | 1 Peg Awl Handle, | 1 Stabbing Awl Handle, |
| 1 Last for Boys' Work, | 1 Peg Awl, | 1 Stabbing Awl, |
| 1 Last for Women's Work, | 1 Wrench for Pegging Awl, | 1 Pkg. Heel Nails, |
| 1 Shoehammer, | 1 Sewing Awl Handle, | 1 Pkg. Clinch Nails, |
| | | Directions for Halfsoling. |



No. 80 Kitchen Cabinet,
Top, 28x48 inches—K. D.

HOME COMPANION COBBLER.

A COMPLETE OUTFIT OF TOOLS FOR

General Boot, Shoe and Rubber Repairing.

INCLUDING

3 PAIRS of "PLYMOUTH ROCK" HALFSOLES.

Needed
in
Every
House
in
the
World.



PRICE, \$1.35.

CONTENTS.

- | | |
|------------------------------|---|
| 1 Iron Last for Men's Work, | 1 Stabbing Awl, |
| 1 Iron Last for Boys' Work, | 1 Bottle Leather Cement, |
| 1 Iron Last for Women's Work | 1 Bottle Rubber Cement, |
| 1 Iron Last for Children's | 1 Bunch Bristles, |
| Work, | 1 Ball Shoe Thread, |
| 1 Iron Stand for Lasts, | 1 Ball Shoe Wax, |
| 1 Shoehammer, | 1 Pkg. Clinch Nails, 4-8 in., |
| 1 Shoeknife, | 1 Pkg. Clinch Nails, $\frac{1}{4}$ in., |
| 1 Peg Awl Handle, | 1 Pkg. Clinch Nails, 6-8 in., |
| 1 Peg Awl, | 1 Pkg. Heel Nails, |
| 1 Wrench for Peg Awl Handle, | 4 Pairs Heel Plates, assorted |
| 1 Sewing Awl Handle, | sizes, |
| 1 Sewing Awl, | 6 Harness Needles. |
| 1 Stabbing Awl Handle, | |

Securely Packed in Neat, Wood Case.

A Complete Outfit of Tools and
Materials for

**BOOT and SHOE
REPAIRING.**

PRICE, 60c.

No. 80.

KITCHEN CABINET.

One of the greatest Labor-Saving devices known,
10,000 steps saved every month.

Kitchen is not complete without one. They are cheap and necessary. Top, 28x48 inches—K. D. Frames and legs finished antique; top white. Has two drawers, two kneading boards and three compartments for flour and meal. Crated in lots of two. 10 cents extra if single. Weight, each, 70 lbs.

Price, each, net, \$4.75.

No. 60. Size 26x42, 1 drawer instead of 2. Wt. 55 lbs., \$4.25 net.

Facts About Freight Rates that will Interest You. Read Carefully.

FREIGHTS ARE JUST THE SAME TO YOU AS TO AN IMPLEMENT DEALER.

And we will quote you prices on anything delivered at your Railroad Station, so there need be no uncertainty about freights.

It is impossible to get freight rates exactly, because weights on the same machines will vary. Nearly all shipments are made on estimated weights, which are supposed to be about right, still if the Railroad Company weighs the goods they can charge on the actual weight. Railroad rates are subject to change, but seldom fluctuate very much.

A FEW FACTS WORTH KNOWING.—The rate of freight to Kansas City, St. Joe, Atchison, Leavenworth, Council Bluffs, Omaha, South Omaha, Pacific Junction, Nebraska City, St. Paul, Minneapolis, Minnesota Transfer, Minneapolis Junction and to all intermediate points along the Missouri River is:

First Class, 60 cts.

Second Class, 45 cts.

Third Class, 35 cts.

Fourth Class, 27 cts.

And generally speaking, all intermediate points between St. Louis or Alton and the above stations over any direct line of road will not exceed these rates, and will be less in proportion to distance.

Chicago rates to first nine points above are 90c., 60c., 45c., 35c. These local rates are less than carload rates and transfer charges.

To the above rates add the local rates from these points to your place (which your railroad agent can give you), and you will have about what your freight will be through rates, however, are generally 10 to 15 cts. a hundred less than the sum of the local rates on account of there being only one billing.

Another Fact.—The longer the distance the cheaper the rates in proportion. So you need not hesitate to send us your orders because you live a long way off.

Another Fact.—Owing to the Inter-State Commerce Law we can ship goods to other States for less than we can ship them one-half the distance in our own state. For example: The rate of freight to Pleasant Hill, Ill., on the C. & A. distance 74 miles, is 1st class, 95c.; 2d class, 80c.; 3d class, 65c.; 4th class, 50c. The Railroad Company being allowed to charge local rates.

The rate on the same goods to Louisiana, Mo., nine miles farther west across the river, passing through Pleasant Hill, is: 1st class, 23c.; 2d class, 20c.; 3d class, 15c.; 4th class, 11c. To Kansas City, 300 miles, only, 1st class, 60c.; 2d class, 45c.; 3d class, 35c.; 4th class, 27c. Don't think you can get so far away but what we can reach you and save you money. This applies in all directions on shipments to other states, and the local rates are nearly as bad in all states, that is why you can afford to send to us, no matter how far away you live.

Another Fact.—The freight to nearly all Iowa towns on the Burlington Road and Branch Lines does not exceed 1st class, 60c.; 2d class, 45c.; 3d class, 35c.; 4th class, 27c., and is less the nearer to Alton.

The rate from Alton to nearly all common points in

	1st C.	2d C.	3d C.	4th C.		1st C.	2d C.	3d C.	4th C.
Texas.....	\$1.80	\$1.18	\$0.97	\$0.90	Montana.....	\$2.10	\$2.60	\$2.10	\$1.75
Oklahoma and Ind. Ter.....	1.10	1.09	.97	.80	New Mexico.....	2.12	1.60	1.70	1.49
Colorado.....	1.85	1.45	1.15	.92	Oregon.....	2.80	2.35	2.35	2.05
Idaho.....	1.80	1.20	2.85	1.94	Utah and Wyoming.....	2.90	2.45	2.85	1.70
California.....	2.40	2.15	2.00	1.70	Washington.....	2.60	2.05	2.35	2.00

This information enables your Railroad Agent to find the nearest common freight point in your state and gives you the local freight from that point to your station, enabling you to tell about what the freight will be from here.

Another Fact.—Do not forget that our freight rates are 20 cts. a hundred first and second class; 10 cts. a hundred third class and 5 cts. a hundred fourth class less than Chicago rates, to all Western and Southwestern points, Kansas, Nebraska, Oklahoma, Indian Territory, Texas and all Southern States, and nearly all extreme Western States, while our freights are the same to all Northwestern States, and only about 10 cents higher to the Northern States.

We do not prepay freight to points where there is a Railroad Agent. Rates are the same to you as they are to us or any one else. We do see, however, that the goods are properly classified and are ready to assist you in collecting any overcharge on your sending the paid freight bill to us in accordance with our instructions. This does not happen, however, once in a thousand times. When there is no Agent and the freight must be prepaid, we cover the full amount and the balance can be remitted you with your invoice.

HAPGOOD FLOW CO., ALTON, ILL.

WESTERN FREIGHT CLASSIFICATION.

FIRST CLASS.

Walking Plows, set up, Sewing Machines, Stalk Cutters, Fanning Mills, knocked down, Wagons, Pumps.

SECOND CLASS.

Walking Plows, knocked down, Corn Shellers, Hay Rakes, Walking Listers, Grain Drills, Mowers.
Harrows of all kinds, Scales, Cane Mills, Disc Harrows, Drag Scrapers, Cider Mills.
Cultivators, all kinds, Feed Cutters, Horse Powers, Corn Planters, Rollers, Hay Carriers, Trains.
Sulky and Gang Plows also take Second Class to some points.

THIRD CLASS.

Wood Harrows, without teeth, Wheel Scrapers knocked down, Sulky and Gang Plows, all kinds, Stoves (Owner's Risk).
Safes, Elevator Bucket Pumps, Roofing, Steel Trucks, Steel Wheels.

FOURTH CLASS.—Barb Wire, Nails, Etc.

The majority of Agricultural Implements take second-class freights, there being only a few articles taking either first or third-class. Minimum car load, 20,000 lbs. Mowers, Riding Plows and Sulky Listers, Cane Mills, Corn Shellers and Feed Cutters take third-class to nearly all points in Kansas, Oklahoma, Indian Territory, Nebraska and Colorado. Buggies and that class of goods take one and one-half times first-class freight to points west of the Mississippi River and in Wisconsin. East of the Mississippi River they take first-class rate when crated under 80 inches, which would apply to Spring Wagons. Buggies can also be crated under 80 inches, taking first-class freight, by crusting the tops, and while it is done by one or two manufacturers, it is considered a very unwise thing to do, and we will not do so except when we think best.

A FEW COMPARISONS.

	1st C.	2d C.	3d C.	4th C.
Alton to Smithville, Texas.....	\$1.80	\$1.18	\$0.97	\$0.90
Dallas, Texas, to Smithville, Texas.....	.86	.80	.67	.60
Alton to Henrietta, Texas.....	1.80	1.18	.97	.90
Dallas to Henrietta, Texas.....	.70	.65	.56	.50
Alton to Cherokee, Ia., and Lemars, Ia.....	.50	.45	.40	.35
Burlington to Cherokee, Ia.....	.70	.65	.56	.50
Burlington to Lamars.....	.75	.69	.60	.55
Alton to Huron, S. Dakota.....	1.40	1.05	.75	.60
Minneapolis, Minn., to Huron, S. Dakota.....	.80	.66	.50	.41

Not so much difference as you would expect.

	1st C.	2d C.	3d C.	4th C.
Alton to Laverne, Minn.....	.80	.65	.45	.35
Minneapolis, Minn., to Laverne, Minn.....	.57	.48	.34	.28
Omaha, Neb., to Syracuse, Neb.....	.40	.35	.25	.21
Burlington to Cherokee, Ia.....	.65	.50	.40	.35
Alton, Ill., to Falls City, Neb.....	.40	.35	.25	.21
Omaha, Neb., to Falls City, Neb.....	.40	.35	.25	.21

Do you see the point? It costs but little more to ship from Alton than it does from the large cities in your own State. Our Low Prices pay that difference a dozen times over and a handsome saving besides.

FREIGHTS.

They are probably not one-half as much as you think they are. This is one of the scare-crows held up to the farmer by the middleman to scare you from buying your goods direct from the factory. Do you suppose that the middleman pays his freight and forgets to charge it to you? Do you not know positively that not only is the freight added to the price of your goods, but generally three times as much as it actually is? We are prepared to tell you just what the freight will be on any article to your shipping station, and if notified in advance, will guarantee the freight. Give us an opportunity to show you just what your goods will cost you laid down, and you will then see what you can save by buying your goods direct from the factory. We quote, on opposite page, rates to a few points in each State, which will tell you about what freights will be to your town.

RATES OF FREIGHT FROM ALTON TO POINTS NAMED BELOW.

ALABAMA.					KANSAS CONTINUED.				
Decatur	1st C.	2d C.	3d C.	4th C.	Dodge City	1st C.	2d C.	3d C.	4th C.
Mobile <td>\$ 1 18</td> <td>\$.98</td> <td>\$.85</td> <td>\$.69</td> <td>Freight on top buggies<td>1 47</td><td>1 28</td><td>1 06</td><td>87</td></td>	\$ 1 18	\$.98	\$.85	\$.69	Freight on top buggies <td>1 47</td> <td>1 28</td> <td>1 06</td> <td>87</td>	1 47	1 28	1 06	87
Montgomery <td>90</td> <td>75</td> <td>65</td> <td>60</td> <td>Downs<td>1 16</td><td>06</td><td></td><td>61</td></td>	90	75	65	60	Downs <td>1 16</td> <td>06</td> <td></td> <td>61</td>	1 16	06		61
Freight on top buggies <td>1 41</td> <td>1 28</td> <td>1 09</td> <td>86</td> <td>Ellsworth, Lyons<td>1 21</td><td>1 1</td><td>75</td><td>67</td></td>	1 41	1 28	1 09	86	Ellsworth, Lyons <td>1 21</td> <td>1 1</td> <td>75</td> <td>67</td>	1 21	1 1	75	67
	5 60				Emporia <td>1 04</td> <td>85</td> <td>70</td> <td>54</td>	1 04	85	70	54
ARIZONA.					Freight on top buggies	6 20			
Kingman <td>8 70</td> <td>8 20</td> <td>2 00</td> <td>2 05</td> <td>Great Bend<td>1 26</td><td>1 08</td><td>85</td><td>68</td></td>	8 70	8 20	2 00	2 05	Great Bend <td>1 26</td> <td>1 08</td> <td>85</td> <td>68</td>	1 26	1 08	85	68
Prescott <td>8 52</td> <td>8 09</td> <td>2 80</td> <td>2 25</td> <td>Garden City<td>1 54</td><td>1 26</td><td>1 11</td><td>90</td></td>	8 52	8 09	2 80	2 25	Garden City <td>1 54</td> <td>1 26</td> <td>1 11</td> <td>90</td>	1 54	1 26	1 11	90
Freight on top buggies <td>24 00</td> <td></td> <td></td> <td></td> <td>Garnett, Iowa<td>87</td><td>69</td><td>56</td><td>41</td></td>	24 00				Garnett, Iowa <td>87</td> <td>69</td> <td>56</td> <td>41</td>	87	69	56	41
Chicago rates higher <td>20</td> <td>20</td> <td>10</td> <td>5</td> <td>Hill City, Lenora<td>1 22</td><td>1 09</td><td>94</td><td>79</td></td>	20	20	10	5	Hill City, Lenora <td>1 22</td> <td>1 09</td> <td>94</td> <td>79</td>	1 22	1 09	94	79
ARKANSAS.					Harper <td>1 27</td> <td>1 05</td> <td>87</td> <td>69</td>	1 27	1 05	87	69
Carlisle <td>1 15</td> <td>08</td> <td>76</td> <td>54</td> <td>Hoxie<td>1 89</td><td>1 16</td><td>1 00</td><td>89</td></td>	1 15	08	76	54	Hoxie <td>1 89</td> <td>1 16</td> <td>1 00</td> <td>89</td>	1 89	1 16	1 00	89
Bard <td>1 85</td> <td>1 10</td> <td>90</td> <td>69</td> <td>Hutchinson<td>1 19</td><td>98</td><td>81</td><td>64</td></td>	1 85	1 10	90	69	Hutchinson <td>1 19</td> <td>98</td> <td>81</td> <td>64</td>	1 19	98	81	64
Lenora <td>1 22</td> <td>1 05</td> <td>88</td> <td>60</td> <td>Holton<td>1 70</td><td>55</td><td>41</td><td>25</td></td>	1 22	1 05	88	60	Holton <td>1 70</td> <td>55</td> <td>41</td> <td>25</td>	1 70	55	41	25
Pa. Smith <td>1 25</td> <td>1 08</td> <td>85</td> <td>64</td> <td>Kingman<td>1 21</td><td>1 00</td><td>83</td><td>67</td></td>	1 25	1 08	85	64	Kingman <td>1 21</td> <td>1 00</td> <td>83</td> <td>67</td>	1 21	1 00	83	67
Freight on top buggies <td>7 50</td> <td></td> <td></td> <td></td> <td>Freight on top buggies<td>7 25</td><td></td><td></td><td></td></td>	7 50				Freight on top buggies <td>7 25</td> <td></td> <td></td> <td></td>	7 25			
Malvern <td>1 80</td> <td>1 12</td> <td>94</td> <td>77</td> <td>Kirwin<td>1 19</td><td>99</td><td>84</td><td>70</td></td>	1 80	1 12	94	77	Kirwin <td>1 19</td> <td>99</td> <td>84</td> <td>70</td>	1 19	99	84	70
Freight on top buggies <td>7 80</td> <td></td> <td></td> <td></td> <td>Kinsale<td>1 88</td><td>1 16</td><td>98</td><td>82</td></td>	7 80				Kinsale <td>1 88</td> <td>1 16</td> <td>98</td> <td>82</td>	1 88	1 16	98	82
Texarkana <td>1 80</td> <td>1 18</td> <td>97</td> <td>63</td> <td>Lincolnville<td>1 11</td><td>90</td><td>78</td><td>67</td></td>	1 80	1 18	97	63	Lincolnville <td>1 11</td> <td>90</td> <td>78</td> <td>67</td>	1 11	90	78	67
CALIFORNIA.					Lawrence <td>82</td> <td>64</td> <td>50</td> <td>40</td>	82	64	50	40
Common Point Rates <td>2 40</td> <td>2 15</td> <td>2 05</td> <td>1 70</td> <td>Laredo<td>1 32</td><td>1 09</td><td>90</td><td>74</td></td>	2 40	2 15	2 05	1 70	Laredo <td>1 32</td> <td>1 09</td> <td>90</td> <td>74</td>	1 32	1 09	90	74
These freight rates apply to a great many points in the State. <td></td> <td></td> <td></td> <td></td> <td>Freight on top buggies<td>7 92</td><td></td><td></td><td></td></td>					Freight on top buggies <td>7 92</td> <td></td> <td></td> <td></td>	7 92			
Los Angeles <td>2 40</td> <td>2 15</td> <td>2 00</td> <td>1 70</td> <td>Mankato<td>1 18</td><td>92</td><td>75</td><td>69</td></td>	2 40	2 15	2 00	1 70	Mankato <td>1 18</td> <td>92</td> <td>75</td> <td>69</td>	1 18	92	75	69
Freight on top buggies <td>14 40</td> <td>Sulky</td> <td>plow, \$8 00</td> <td></td> <td>Medicine Lodge<td>1 20</td><td>1 07</td><td>91</td><td>76</td></td>	14 40	Sulky	plow, \$8 00		Medicine Lodge <td>1 20</td> <td>1 07</td> <td>91</td> <td>76</td>	1 20	1 07	91	76
Chicago rates higher <td>20</td> <td>20</td> <td>10</td> <td>5</td> <td>Freight on top buggies<td>7 80</td><td></td><td></td><td></td></td>	20	20	10	5	Freight on top buggies <td>7 80</td> <td></td> <td></td> <td></td>	7 80			
COLORADO.					Meade <td>1 50</td> <td>1 25</td> <td>1 05</td> <td>88</td>	1 50	1 25	1 05	88
Denver <td>1 85</td> <td>1 45</td> <td>1 15</td> <td>92</td> <td>Ottawa<td>85</td><td>65</td><td>53</td><td>40</td></td>	1 85	1 45	1 15	92	Ottawa <td>85</td> <td>65</td> <td>53</td> <td>40</td>	85	65	53	40
Freight on top buggies <td>11 00</td> <td></td> <td></td> <td></td> <td>Oswego<td>93</td><td>75</td><td>64</td><td>48</td></td>	11 00				Oswego <td>93</td> <td>75</td> <td>64</td> <td>48</td>	93	75	64	48
Garrison <td>2 78</td> <td>2 42</td> <td>1 94</td> <td>1 53</td> <td>Pratt<td>1 84</td><td>1 12</td><td>92</td><td>75</td></td>	2 78	2 42	1 94	1 53	Pratt <td>1 84</td> <td>1 12</td> <td>92</td> <td>75</td>	1 84	1 12	92	75
Chicago rates higher <td>20</td> <td>20</td> <td>10</td> <td>5</td> <td>Paola<td>75</td><td>57</td><td>47</td><td>36</td></td>	20	20	10	5	Paola <td>75</td> <td>57</td> <td>47</td> <td>36</td>	75	57	47	36
FLORIDA.					Plainsville <td>1 21</td> <td>1 01</td> <td>86</td> <td>78</td>	1 21	1 01	86	78
Jacksonville <td>1 88</td> <td>1 16</td> <td>1 06</td> <td>98</td> <td>Peabody<td>1 15</td><td>98</td><td>77</td><td>69</td></td>	1 88	1 16	1 06	98	Peabody <td>1 15</td> <td>98</td> <td>77</td> <td>69</td>	1 15	98	77	69
Pensacola <td>1 18</td> <td>96</td> <td>84</td> <td>64</td> <td>Parsons<td>87</td><td>68</td><td>56</td><td>41</td></td>	1 18	96	84	64	Parsons <td>87</td> <td>68</td> <td>56</td> <td>41</td>	87	68	56	41
Tallahassee <td>2 07</td> <td>1 77</td> <td>1 68</td> <td>1 38</td> <td>Russell<td>1 24</td><td>1 03</td><td>85</td><td>67</td></td>	2 07	1 77	1 68	1 38	Russell <td>1 24</td> <td>1 03</td> <td>85</td> <td>67</td>	1 24	1 03	85	67
Freight on top buggies <td>12 43</td> <td></td> <td></td> <td></td> <td>Stockton<td>1 21</td><td>1 01</td><td>86</td><td>78</td></td>	12 43				Stockton <td>1 21</td> <td>1 01</td> <td>86</td> <td>78</td>	1 21	1 01	86	78
GEORGIA.					Syracuse <td>1 54</td> <td>1 29</td> <td>1 12</td> <td>92</td>	1 54	1 29	1 12	92
Waynes <td>1 60</td> <td>1 29</td> <td>1 12</td> <td>91</td> <td>Freight on top buggies<td>9 21</td><td></td><td></td><td></td></td>	1 60	1 29	1 12	91	Freight on top buggies <td>9 21</td> <td></td> <td></td> <td></td>	9 21			
Savannah <td>1 88</td> <td>1 16</td> <td>1 06</td> <td>98</td> <td>Sedan<td>1 10</td><td>92</td><td>77</td><td>69</td></td>	1 88	1 16	1 06	98	Sedan <td>1 10</td> <td>92</td> <td>77</td> <td>69</td>	1 10	92	77	69
West Point <td>1 78</td> <td>1 54</td> <td>1 36</td> <td>1 11</td> <td>Seneca<td>1 72</td><td>57</td><td>43</td><td>35</td></td>	1 78	1 54	1 36	1 11	Seneca <td>1 72</td> <td>57</td> <td>43</td> <td>35</td>	1 72	57	43	35
IDAHO.					Smith Center <td>1 16</td> <td>95</td> <td>79</td> <td>61</td>	1 16	95	79	61
Common point rates <td>8 10</td> <td>2 60</td> <td>2 35</td> <td>1 94</td> <td>Topeka<td>89</td><td>69</td><td>54</td><td>42</td></td>	8 10	2 60	2 35	1 94	Topeka <td>89</td> <td>69</td> <td>54</td> <td>42</td>	89	69	54	42
These freight rates apply to a great many points in the State. <td></td> <td></td> <td></td> <td></td> <td>Toronto<td>1 04</td><td>85</td><td>71</td><td>56</td></td>					Toronto <td>1 04</td> <td>85</td> <td>71</td> <td>56</td>	1 04	85	71	56
Boise City <td>8 10</td> <td>2 60</td> <td>2 35</td> <td>1 94</td> <td>W. A. Keeney<td>1 11</td><td>94</td><td>79</td><td>65</td></td>	8 10	2 60	2 35	1 94	W. A. Keeney <td>1 11</td> <td>94</td> <td>79</td> <td>65</td>	1 11	94	79	65
Idaho Falls <td>8 10</td> <td>2 60</td> <td>2 35</td> <td>1 75</td> <td>White City<td>1 19</td><td>95</td><td>71</td><td>55</td></td>	8 10	2 60	2 35	1 75	White City <td>1 19</td> <td>95</td> <td>71</td> <td>55</td>	1 19	95	71	55
Bellevue <td>8 00</td> <td>2 60</td> <td>2 35</td> <td>1 47</td> <td>Walnut<td>87</td><td>68</td><td>56</td><td>41</td></td>	8 00	2 60	2 35	1 47	Walnut <td>87</td> <td>68</td> <td>56</td> <td>41</td>	87	68	56	41
Chicago rates higher <td>20</td> <td>20</td> <td>10</td> <td>5</td> <td>Washington<td>95</td><td>75</td><td>62</td><td>49</td></td>	20	20	10	5	Washington <td>95</td> <td>75</td> <td>62</td> <td>49</td>	95	75	62	49
ILLINOIS.					Wallace <td>1 49</td> <td>1 25</td> <td>1 07</td> <td>87</td>	1 49	1 25	1 07	87
Bloomington <td>44</td> <td>84</td> <td>29</td> <td>21</td> <td>Wichita<td>1 13</td><td>98</td><td>81</td><td>64</td></td>	44	84	29	21	Wichita <td>1 13</td> <td>98</td> <td>81</td> <td>64</td>	1 13	98	81	64
Springfield <td>43</td> <td>84</td> <td>24</td> <td>16</td> <td>Chicago rates higher<td>20</td><td>20</td><td>10</td><td>5</td></td>	43	84	24	16	Chicago rates higher <td>20</td> <td>20</td> <td>10</td> <td>5</td>	20	20	10	5
Mattoon <td>45</td> <td>84</td> <td>26</td> <td>21</td> <td></td> <td></td> <td></td> <td></td> <td></td>	45	84	26	21					
Centralia <td>47</td> <td>40</td> <td>34</td> <td>24</td> <td></td> <td></td> <td></td> <td></td> <td></td>	47	40	34	24					
Galesburg <td>46</td> <td>86</td> <td>29</td> <td>22</td> <td></td> <td></td> <td></td> <td></td> <td></td>	46	86	29	22					
Streator <td>47</td> <td>88</td> <td>29</td> <td>23</td> <td></td> <td></td> <td></td> <td></td> <td></td>	47	88	29	23					
Oakland <td>60</td> <td>49</td> <td>29</td> <td>31</td> <td></td> <td></td> <td></td> <td></td> <td></td>	60	49	29	31					
Hammond <td>57</td> <td>47</td> <td>29</td> <td>30</td> <td></td> <td></td> <td></td> <td></td> <td></td>	57	47	29	30					
INDIANA.									
Elkhart <td>57</td> <td>49</td> <td>28</td> <td>26</td> <td></td> <td></td> <td></td> <td></td> <td></td>	57	49	28	26					
Freight on top buggies <td>8 40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	8 40								
Indianapolis <td>87</td> <td>82</td> <td>23</td> <td>16</td> <td></td> <td></td> <td></td> <td></td> <td></td>	87	82	23	16					
New Albany <td>87</td> <td>49</td> <td>29</td> <td>28</td> <td></td> <td></td> <td></td> <td></td> <td></td>	87	49	29	28					
Moblesville <td>89</td> <td>83</td> <td>24</td> <td>17</td> <td></td> <td></td> <td></td> <td></td> <td></td>	89	83	24	17					
INDIAN TERRITORY.									
Atoka, Caddo <td>1 30</td> <td>1 18</td> <td>97</td> <td>60</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 30	1 18	97	60					
Charmore <td>1 10</td> <td>90</td> <td>75</td> <td>55</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 10	90	75	55					
Tulsa <td>1 12</td> <td>88</td> <td>78</td> <td>55</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 12	88	78	55					
Waskula <td>1 15</td> <td>95</td> <td>83</td> <td>65</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 15	95	83	65					
Vinita <td>1 05</td> <td>88</td> <td>73</td> <td>50</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 05	88	73	50					
Freight on top buggies <td>6 28</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	6 28								
Chicago rates higher <td>20</td> <td>20</td> <td>10</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td>	20	20	10	5					
IOWA.									
Northwood <td>63</td> <td>53</td> <td>43</td> <td>26</td> <td></td> <td></td> <td></td> <td></td> <td></td>	63	53	43	26					
Cherokee, Bibby, LeMars <td>80</td> <td>65</td> <td>48</td> <td>32</td> <td></td> <td></td> <td></td> <td></td> <td></td>	80	65	48	32					
Red Oak, Council Bluffs <td>60</td> <td>45</td> <td>35</td> <td>27</td> <td></td> <td></td> <td></td> <td></td> <td></td>	60	45	35	27					
Hastings <td>40</td> <td>32</td> <td>24</td> <td>17</td> <td></td> <td></td> <td></td> <td></td> <td></td>	40	32	24	17					
Burlington <td>40</td> <td>32</td> <td>24</td> <td>17</td> <td></td> <td></td> <td></td> <td></td> <td></td>	40	32	24	17					
Dubuque <td>47</td> <td>37</td> <td>29</td> <td>22</td> <td></td> <td></td> <td></td> <td></td> <td></td>	47	37	29	22					
Freight on top buggies <td>8 60</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	8 60								
Concordia <td>63</td> <td>43</td> <td>31</td> <td>23</td> <td></td> <td></td> <td></td> <td></td> <td></td>	63	43	31	23					
Ottumwa <td>8 19</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	8 19								
Freight on top buggies <td>61</td> <td>55</td> <td>45</td> <td>32</td> <td></td> <td></td> <td></td> <td></td> <td></td>	61	55	45	32					
Albia City <td>4 80</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	4 80								
Freight on top buggies <td>61</td> <td>50</td> <td>40</td> <td>28</td> <td></td> <td></td> <td></td> <td></td> <td></td>	61	50	40	28					
Waterloo City <td>30</td> <td>20</td> <td>10</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td>	30	20	10	5					
Chicago rates higher <td>20</td> <td>20</td> <td>10</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td>	20	20	10	5					
KANSAS.									
Atchison, Hiawatha <td>60</td> <td>45</td> <td>35</td> <td>27</td> <td></td> <td></td> <td></td> <td></td> <td></td>	60	45	35	27					
Freight on top buggies <td>3 60</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	3 60								
Albion, Concordia <td>1 11</td> <td>80</td> <td>73</td> <td>57</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 11	80	73	57					
Alma, Oaage City, Wamego <td>.97</td> <td>79</td> <td>63</td> <td>46</td> <td></td> <td></td> <td></td> <td></td> <td></td>	.97	79	63	46					
Almona <td>1 20</td> <td>87</td> <td>77</td> <td>61</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 20	87	77	61					
Arkansas City, Wellington <td>1 22</td> <td>80</td> <td>63</td> <td>47</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 22	80	63	47					
Burlington <td>1 04</td> <td>81</td> <td>67</td> <td>48</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 04	81	67	48					
Boonville, Salina <td>1 18</td> <td>95</td> <td>77</td> <td>61</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 18	95	77	61					
Freight on top buggies <td>6 96</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	6 96								
Colby <td>1 46</td> <td>1 21</td> <td>1 08</td> <td>82</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 46	1 21	1 08	82					
Council Grove <td>1 41</td> <td>1 19</td> <td>1 04</td> <td>78</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 41	1 19	1 04	78					
Cottonwood Falls <td>1 09</td> <td>85</td> <td>70</td> <td>53</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 09	85	70	53					
Cherryvale <td>1 13</td> <td>89</td> <td>73</td> <td>55</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 13	89	73	55					
Canton, Newton <td>1 18</td> <td>97</td> <td>83</td> <td>65</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 18	97	83	65					
Chay Center, Junction City <td>1 19</td> <td>97</td> <td>73</td> <td>55</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 19	97	73	55					

Dodge City	1 47	1 28	1 06	87
Freight on top buggies	6 20			
Downs	1 16	06		61
Ellsworth, Lyons	1 21	1 1	75	67
Emporia	1 04	85	70	54
Freight on top buggies	6 20			
Great Bend	1 26	1 08	85	68
Garden City	1 54	1 26	1 11	90
Garnett, Iowa	87	69	56	41
Hill City, Lenora	1 22	1 09	94	79
Harper	1 27	1 05	87	69
Hoxie	1 89	1 16	1 00	89
Hutchinson	1 19	98	81	64
Holton	1 70	55	41	25
Kingman	1 21	1 00	83	67
Freight on top buggies	7 25			
Kirwin	1 19	99	84	70
Kinsale	1 88	1 16	98	82
Lincolnville	1 11	90	78	67
Lawrence	82	64	50	40
Laredo	1 32	1 09	90	74
Freight on top buggies	7 92			
Mankato	1 18	92	75	69
Medicine Lodge	1 20	1 07	91	76
Freight on top buggies	7 80			
Meade	1 50	1 25	1 05	88
Ottawa	85	65	53	40
Oswego	93	75	64	48
Pratt	1 84	1 12	92	75
Paola	75	57	47	36
Plainsville	1 21	1 01	86	78
Peabody	1 15	98	77	69
Parsons	87	68	56	41
Russell	1 24	1 03	85	67
Stockton	1 21	1 01	86	78
Syracuse	1 54	1 29	1 12	92
Freight on top buggies	9 21			
Sedan	1 10	92	77	69
Seneca	1 72	57	43	35
Smith Center	1 16	95	79	61
Topeka	89	69	54	42
Toronto	1 04	85	71	56
W. A. Keeney	1 11	94	79	65
White City	1 19	95	71	55
Walnut	87	68	56	41
Washington	95	75	62	49
Wallace	1 49	1 25	1 07	87
Wichita	1 13	98	81	64
Chicago rates higher	20	20	10	5
KENTUCKY.				
Frankfort	75	64	51	39
Henderson	89	87	30	25
Harris	88	72	67	41
Paducah	98	80	68	57
Popkinsville	49	42	35	27
Water 15c. and 25c.				
LOUISIANA.				
Alexandria	1 25	1 07	91	77
Baton Rouge, New Orleans	90	75	65	50
Freight on top buggies	8 40			
MICHIGAN.				
Ann Arbor	41	37	27	19
Bangor	60	65	51	39
Cadmus	62	68	51	38
MINNESOTA.				
St. Paul	60	45	35	27
Ada	60	50	40	25
Albert Lea	63	52	42	26
Austin	78	65	53	40
Duluth	60	78	53	46
Lake Benton	1 49	1 18	92	65
Freight on top buggies	8 40			
Moorehead	80	65	45	32
Laverne	78	62	48	34
Red Wood Falls	1 04	83	74	50
Willmar	6 24			
Freight on top buggies	63	52	42	26
Waseca				
Windom				
MISSISSIPPI.				
Holly Springs	1 15	97	82	69
West Point	1 81	1 09	87	74
Harrison	1 46	1 24	1 06	85
Canton	1 49	1 15	96	79
(Above points governed by southern classification and applied to all southern states, which is lower than western classification.)				
Corinth	1 11	96	79	65
Freight on top buggies	6 64			
Greenville, Vicksburg	1 26	99	78	68
Meridian	1 06	99	78	68
Freight on top buggies	6 36			
Jackson	1 18	97	81	69
MISSOURI.				
Albany, Chillicothe, Milan, Marysville	60	45	35	27
Cuba	82	42	32	26
Cilarton	70	62	39	32
Charleston	85	68	61	37
Hannibal	29	27	21	13
Highway	51	39	29	23
Jefferson City	50	39	30	23

RATES OF FREIGHT FROM ALTON TO POINTS NAMED BELOW.—CONT'D.

MISSOURI CONTINUED.					NORTH DAKOTA.				
	1st C.	2d C.	3d C.	4th C.		1st C.	2d C.	3d C.	4th C.
Lebanon, Springfield	70	65	45	85	Bismarck	1 90	1 47	1 19	69
Mexico	47	88	36	21	Botineau	1 83	1 49	1 14	68
Marshall	58	43	83	26	Cando	1 30	1 41	1 14	68
Macon	58	40	80	28	Grand Forks	1 55	1 81	1 08	65
Neosho	87	68	56	41	Minot	1 75	1 44	1 16	91
Rolla	58	47	85	21	Jamesstown	1 55	1 26	97	78
Poplar Bluff	90	71	61	49	Wahpeton	1 20	1 00	86	69
Chicago rates higher	20	20	10	5					
MONTANA.					OKLAHOMA.				
Common point rates	8 10	2 60	2 10	1 75	Common point rates	1 80	1 09	97	88
Covering over 100 towns in the State					Alva	1 80	1 18	97	88
Butte, Garrison, Helena	8 10	2 60	2 10	1 75	Botineau	1 80	1 09	97	79
Billings	2 85	2 40	1 08	1 65	El Reno	1 80	1 09	97	79
Glenview	3 15	1 06	1 41	1 21	Guthrie, Kingfisher	1 80	1 09	97	79
Chicago rates higher	20	20	10	5	Hennessey	1 80	1 09	97	79
NEVADA.					Medford	1 80	1 07	90	78
Common point rates	8 95	8 45	2 85	2 30	Newkirk	1 80	1 07	97	71
Carson City	8 70	8 20	2 60	2 05	Norman	1 80	1 09	97	79
Eureka, Reno	4 64	4 04	8 44	2 89	Oklahoma City	1 80	1 09	97	79
Hawthorne	8 10	4 20	8 60	8 05	Perry	1 80	1 09	97	79
					Woodward, Wynoka	1 80	1 13	97	88
					Chicago rates higher	20	20	10	5
NEW MEXICO.					OREGON.				
Common point rates	2 12	1 90	1 76	1 63	Common point rates	2 60	8 05	2 55	2 08
These freight rates reach a great many points in the State					Covering a great many points in the State				
Albuquerque, Santa Fe	2 12	1 90	1 76	1 63	Arlington, Baker City, Huntington,	8 60	8 05	2 55	2 08
Afton	1 74	1 66	1 43	1 36	The Dalles	2 40	2 30	1 98	1 08
Cambray	1 98	1 76	1 62	1 54	Portland, Salem				
Deming	2 12	1 90	1 76	1 63					
Gallup	8 05	2 78	2 58	2 05					
Raton	2 04	1 82	1 68	1 54					
Rogers	1 47	1 31	1 20	1 15					
Roswell	2 12	1 90	1 76	1 63					
Sepul	2 88	2 15	1 95	1 78					
White Water	2 20	1 98	1 82	1 68					
Chicago rates higher	20	20	10	5					
NORTH CAROLINA.					SOUTH CAROLINA.				
Asheville	1 87	1 86	1 15	83	Common point rates	1 09	1 58	1 23	98
Fayetteville	1 58	1 32	1 06	79	Charleston, Port Royal	1 88	1 18	1 05	98
Raleigh	1 46	1 25	1 00	73					
Shelby	1 65	1 44	1 18	81					
Weldon	1 40	1 20	97	70					
Wilmington	1 40	1 19	98	71					
NEBRASKA.					SOUTH DAKOTA.				
Alma	1 28	1 08	88	73	Aberdeen	1 49	1 20	85	68
Auburn	60	45	85	27	Canton	83	67	47	85
Ashland	65	50	89	81	Eureka	1 50	1 25	98	70
Aurora	1 08	84	70	55	Huron	1 24	1 05	75	61
Avoca, Elwood, Hickman, Lincoln.	85	50	89	85	Mitchell	1 15	98	71	59
Beatrice	72	57	43	81					
Beaver City	1 28	1 08	98	77					
Broken Bow	1 31	1 09	92	74					
Calberton	1 87	1 16	1 00	81					
Columbus	95	73	63	48					
Crete	69	60	47	87					
Central City	1 09	89	78	65					
Davids City	90	71	57	47					
Edgar, Grand Island, Hastings	1 11	90	78	67					
Elstis	1 83	1 09	96	76					
Fairbury, Fairmount	70	70	62	45					
Periton	1 10	80	73	67					
Guide Rock	1 21	90	78	67					
Guthenborg	1 85	1 13	96	79					
Holdredge	1 24	1 04	87	72					
Hebron	1 04	84	68	53					
Harvard	1 05	86	71	57					
Hemingford	1 65	1 46	1 21	96					
Kearney	1 15	96	79	64					
Lexington	1 81	1 00	98	70					
Litchfield	1 38	1 08	87	70					
Minord	1 15	96	79	64					
Madison	1 04	84	70	54					
North Platte	1 88	1 18	1 00	82					
Norfolk	1 05	83	68	60					
Ohioa	1 00	80	65	53					
Oscoda	98	74	63	49					
Ogallala	1 48	1 21	1 06	86					
Ord	1 80	1 08	92	73					
O'Neill	1 28	99	79	68					
Plainview	1 09	79	71	54					
Red Cloud	1 14	93	75	69					
Seneca	1 11	91	71	62					
St. Paul	1 11	91	71	62					
Seward	1 29	1 06	88	71					
Wahoo	65	60	89	31					
Wallace	1 40	1 18	1 02	84					
West Point	98	75	61	48					
York	95	78	63	52					
Chicago rates higher	20	20	10	5					

REMEMBER. Freight rates are the same to us as to you, or anyone else. When you pay your own freight you pay what it actually is, and not a profit on it to some middleman. We look after your freight interests, and we know the Rates, Weights and Classifications, and will give you prices on anything you want delivered at your R. R. town.

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WHERE IS ALTON?

WE ARE OFTEN ASKED THIS QUESTION

And are pleased to answer, as our Factory is so located that it gives us special advantages in Manufacturing, and

ENABLES US TO SHIP YOU GOODS AT A VERY LOW RATE OF FREIGHT.

Please examine Map on outside cover. Alton is 16 miles from St. Louis on the banks of the Mississippi. The Missouri River enters the Mississippi 10 miles below Alton, and the Illinois River 20 miles above, giving us direct steamboat connection with all river towns. We have SEVEN LINES of railroads. The magnificent new bridge just built at Alton, touches our Factory on the west end, and enables us

To Load Freight from our door on to the Cars of the great M. K. & T. System; also the Burlington System West of the Mississippi

(SEE MAP ON COVER.)

Enables us to reach all towns in Missouri, Iowa and Southwestern States, without going to St. Louis, thus avoiding expense and delay. Our local rates to points in Illinois and Indiana are less than from St. Louis, and we avoid the excessive bridge toll. Our through rates to all extreme Western and Northwestern points are the same as from St. Louis, and are 20 cents a hundred first and second class, and 10 cents a hundred third class, LESS than from Chicago, to all towns in Missouri, Kansas, Nebraska, Colorado and all Southwestern Points. Do not fail to keep this in mind.

DO NOT CONFUSE US WITH THE SO-CALLED "SUPPLY HOUSES"

who represent imaginary Factories, but whose only capital is a small office near the roof of some large building, a few letter heads and a few cuts photographed from some Manufacturers' Catalogue, together with unlimited gull. Look us up—ask your bank about us.

We have been selling our goods for 30 years through the old system of traveling men, numerous agents, middlemen and long credits, and have tried all kinds of schemes and know how deceptive to both buyer and seller are the glittering promises of time trade. Do not ask us to sell on time; whether THE PRESIDENT OF A BANK OR A FARMER KEPT POOR BY BUYING ON TIME, our answer will be the same. We are in a position to know what this system costs you, and we believe a rank injustice is being done Cash Buyers, so that we are determined to do a STRICTLY CASH BUSINESS and avoid all the contingencies named above, and are able to MAKE CASH NEVER PRICES NEVER HEARD OF BEFORE, and at the same time we are able to keep our goods up to their usual excellent standard. We have made our terms so liberal that any responsible man can deal with us as safely as he can at home. All we ask you to do is to establish your responsibility, when you can not only have a chance to see our goods, but try them before you pay us a cent.

We call your attention to the following rules, which if followed will help to make our business relations pleasant, and save both you and us considerable annoyance.

SHIPPING DIRECTIONS.—A Bill of Lading will be sent with all invoices, showing that goods are shipped in good order. On arrival of the goods examine them carefully and compare the bill of lading. If anything is damaged, broken or short, have it noted on your paid freight bill by your railroad Agent, and forward same to us, and if this is done, we will make good the shortage, breakage or damage free of charge to you, but without this we assume no responsibility as to the safe delivery of goods. We do not advise prepaid freight. There is nothing to be saved. Railroads are less interested in rushing same. Claims for delays or damages cannot be so easily enforced. We are ready to assist you on any overcharge on your sending us the paid freight bill.

Do not remit by draft on Kansas City or Omaha, unless you want to pay expenses of collecting the same. Do not remit by private check under any circumstances.

HOW TO RETURN GOODS.—Knock down the machine and tie it in bundles securely. Make Bills of Lading in duplicate, mark the same "return to factory for repairs," see that each bundle or separate piece is enumerated on Bill of Lading. Put your name on back of Tags in ink. Ship back OVER THE ROAD BY WHICH THE GOODS WERE RECEIVED, and forward duplicate Bill of Lading to us with letter stating WHAT and WHY returned. One-half rate of freight will be made on all such goods when these instructions are followed. NEVER RETURN GOODS TO THE FACTORY WITHOUT FIRST GETTING PERMISSION FROM US.

Trusting we may be favored with a trial order, and be given an opportunity to demonstrate to you the advantages of our plan, we are

Yours very truly,

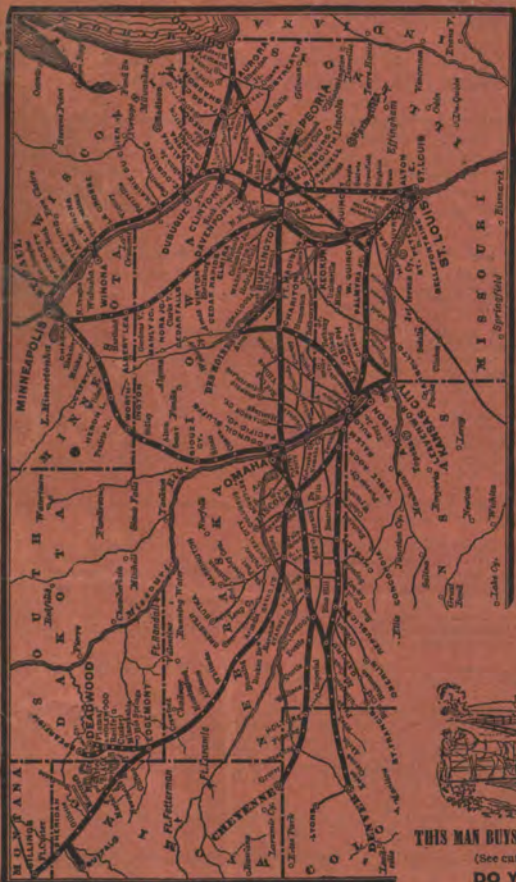
HAPGOOD FLOW CO., Alton, Ill.

THE only Plow Factory in the World selling direct to the farmer. No agents. No middlemen.

WORKS OF Hapgood Plow Company,

AT ALTON, 16 Miles From St. Louis
on the Mississippi
River.

The Missouri enters the Mississippi 10 miles below Alton, and the Illinois 20 miles above. Steamboat connection with all river points.



SHIPPING FACILITIES:
THE GREAT
CHICAGO,
BURLINGTON
& QUINCY
R. R. SYSTEM.

Through rates quoted to all Points on Main Line and Branches.

THE POPULAR
CHICAGO & ALTON.

The Grand Scenic
BLUFF LINE R. R.

THE
BIG 4 ROUTE
To all Points East.

THE EXTENSIVE
M. K. & T. SYSTEM

To all Points in Texas and Indian Territory.

THE NEW ILLINOIS TERMINAL
giving us direct connections with the great
Wabash System.

These Lines connect at East St. Louis, St. Louis, Chicago, Kansas City, Omaha, Denver, Minneapolis, St. Paul and other points with Every Line in the West.



THIS MAN BUYS OF US AT WHOLESALE PRICES.

(See cut on inside of Front Cover.)

DO YOU CATCH ON?