



THE WONDERFUL
"PIASA BIRD"

No. 6

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.

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

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 24 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 22. 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.

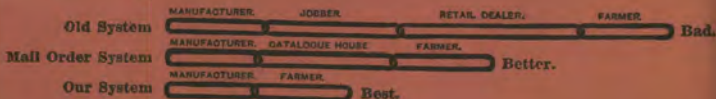
Is Buying Direct From the Factory Safe and Profitable?

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 rent, 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 your Business with Us 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 this. 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 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 tell you how to do it.

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

HAPGOOD 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 on payment of the cash, and on receipt of the goods. 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 to me I will ship it free of charge, according to your directions, losing the freight I have paid, (H. P. Co. to pay the freight back to factory and you are to return my money if paid in advance); and if the implement does good work, I will within ten days after its receipt remit you \$ _____ by bank draft, post office or express order, or by express prepaid, if not paid in advance.

Signed _____

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

Signed _____

NOTE.—If goods cannot be tried in ten days on account of the weather or other reasons, time will be extended.

NOTE.—Not one machine out of 10,000 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 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.

We guarantee our goods to please you, not a committee of farmers, or three disinterested parties, but you, and you are judge and jury.

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 Sheriff.

When property statement 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 shippers. 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.

C. O. D. shipments prevent dishonest parties from getting the goods until paid for, but it does not protect us from parties who may for any reason leave the goods at the depot and never call for them, leaving us to pay freight both ways; hence C. O. D. orders must be accompanied with enough cash to guarantee freight both ways and as a evidence of good faith.

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 place no PLACE ON EARTH CAN YOU FIND AS LARGE A 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—READ RULES PAGES 2, 3, AND 4. Yours for business,

HAPGOOD 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 1905.

IT AFFORDS us pleasure to hand you our new Catalogue for the coming year which you will find full of valuable information and as fine a line of goods as ever was put on the market and at prices that we do not believe can be duplicated any place to-day on the same class of goods.

Raw Material, Iron, Steel, Bolts, Etc., from which our goods are made are almost uniformly in the hands of large Corporations, (generally called Trusts) and as long as they control the market, we as well as all Manufacturers, are compelled to ask more for our goods than heretofore, yet there is one thing certain that when you send us your order you have the satisfaction of knowing that you will get your goods at the lowest possible price, and **if there is any decline from our catalogue prices when your order is received you will get the benefit just the same** and the difference will be remitted to you and your attention called to the same.

The wonderful increase in our business for the past season is to us the best of evidence that our Farmer Friends appreciate what we are doing for them, and 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 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 expense of selling, enabling us to give you back the saving in reduced prices. We did it in 1898, in 1899 and 1901, 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.

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 every thing in connection with them, as for instance on Feed Grinders, it would take a Catalogue of 100 pages alone to cover this 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 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 PRINTED FOR YOUR USE.

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 position 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.
- 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 shipping directions on inside of last cover.
- 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 of our mistakes, and will expect our friends to stand theirs. If you order Right-Hand Plow when you want a Left-Hand Plow, 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 expenses 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 Sulkies and Gangs at 50c. 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 33.
- 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 33. 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 any 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. If in doubt how much to send, send enough; price will be the same and balance will be returned.
- 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 37, 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 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 ARE WANTING AGENTS for the celebrated Haggood-Hancock Disc Plow; these goods we sell under contract with the inventor, who sets the terms; to such agents we will pay a good commission for distributing our catalogues and printed matter and deduct the same from appropriation for advertising and postage.
- 34th. The first 37 pages of this Catalogue show goods which we make ourselves. Other goods are specialties. We call such machines Haggood, 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 37. 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 34 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 the 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 dms 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 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 us 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 you 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 Company, 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 reputation and cuts or poor imitations, 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 Houses, 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.

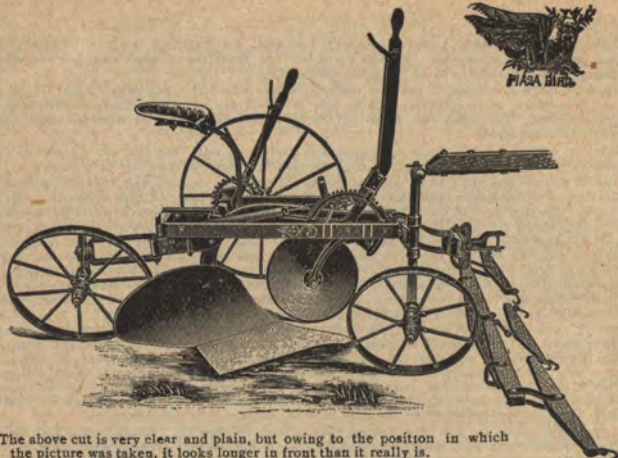
WE GUARANTEE WE CAN MEET ANY PRICE QUOTED BY ANY CONCERN.

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., Alton, Ill.

Send us a list of names of your neighbors and friends and we will send you free a handsome Calendar.



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 "PIASA 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 "PIASA 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 it 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.

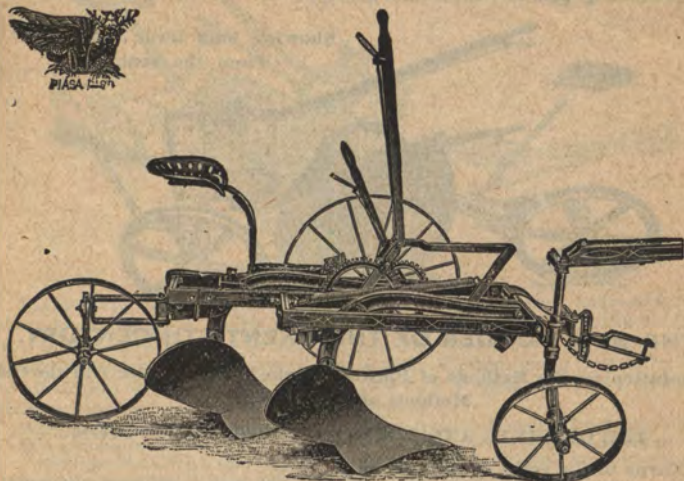
Front Wheel 19 inches; Rear Wheel, 24 inches; Land Wheel, 34 inches. All with removable boxes. We furnish free all the boxes you can wear out in two years, as the hubs and axles are well protected with collars.

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 Piasa Bird Sulky, shipping weight, 400 lbs. Complete with Evener, Neck-Yoke, large Coulter and Weed Hook, F. O. B. Alton \$32.25. Cash with order price.....\$30.95
 Freight Prepaid to Kansas City, Omaha or Minneapolis..... 1.50
 Turf and Shubble Boards, 50c extra. 13-inch Piasa 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., 3.50
 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 \$13.
 Extra Cast Shares Right Hand only, when ordered with the Sulky, 12-in., 50c. 14-in., 60c. 16-in., 75c.



PIASSA BIRD GANG.

Another beauty. Has all of the features of our Piassa 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 Piassa 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.

MANSFIELD, ILL., May 22d, 1899.

Hapgood Plow Co., Alton, Ill.

Gentlemen—Enclosed please find order. I also want to say that I like the Piassa Bird Gang Plow immensely. It is just as good, if not better, than any I would have to pay \$54 for here.

(Signed) J. D. TAYLOR.

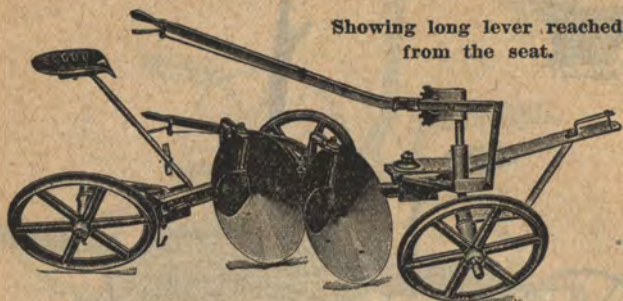
Remember our Guarantee, that this Plow will do your work, and give you perfect satisfaction. If you are not perfectly satisfied, you can return it, and get your money back. Note our prices:

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

Hapgood-Hancock Disc Gang.



Showing long lever reached
from the seat.

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.

Turns to the right as easy as to the left.

More Hapgood-Hancock Disc Plows sold since January 1st, 1902,
than all other Disc Plows made in the United States. Why?

BECAUSE—The Hapgood-Hancock is the only absolutely successful Disc Plow
on earth.

BECAUSE—The Hapgood-Hancock Disc Plow will do 50 per cent more work
with the same team than any other Disc or Mould-Board Plow on earth.

BECAUSE—It pulverizes the ground and leaves it in better condition than you can do it
with the Mould-Board Plow and Harrow it two or three times.

BECAUSE—It weighs only two-thirds as much as other Disc Plows, yet we absolutely
guarantee it to plow hard dry ground where no other Disc or Mould-Board
Plow will do it, even when loaded with sand bags. Our plow is built on
scientific principles, and does not rely upon dead weight.

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, where we have no agent, an opportunity of holding an exhibition for us, and to pay him
good hard dollars for same.

Our Disc Plow is absolutely guaranteed to plow hard, dry ground in the summer, when you
cannot plow with any other Disc or Mould-Board Plow. We challenge them without distinction
to meet us in the field; 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.

Hapgood-Hancock Triple Disc Gang.

Showing long lever reached from the seat.



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. Sent on trial. We want you to try it in the field yourself with any other Disc or Mould-Board Plow there is made. Every one of these Disc Sulkies or Gangs are sold under the following guarantee:

1. We guarantee it against wear or breakage from defects 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, where any plow will scour.
6. **WE DO NOT** guarantee it to plow as light or please everyone as well in very wet ground, or plow sod as a special Plow made for that purpose, but when disc and scraper are thoroughly scoured, will plow wet ground where many a Stubble Mould-Board Plow will not work. The Disc Plow is a Pulverizer as well as a Plow, and of course sod or wet land will not pulverize.

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-inch, 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.

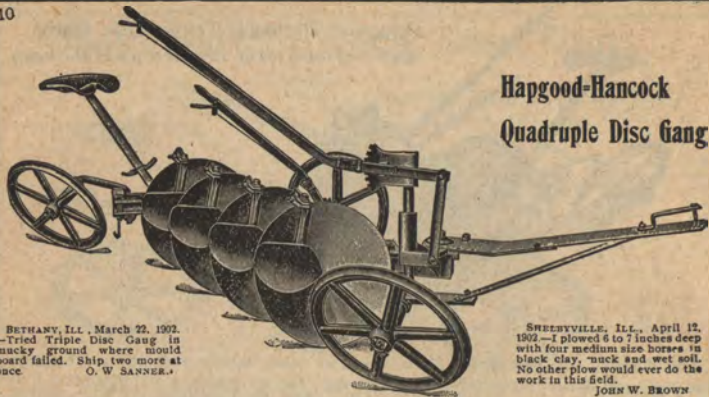
That we can handle a 14-inch Disc Sulky with two horses with less draft than you can handle any other Disc Sulky or Mould-Board Plow with three horses. We can run our 4-Disc Gang, cutting 48 inches, with 4 horses, and without side draft, as easy as you can handle a Mould-Board Gang, cutting 28 inches, 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; 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.

So absolutely perfect is this Plow in construction that you notice we guarantee it against breakage or wear from defects in any of the parts for twelve months.

It is a Plow that has neither Mould-Board, Landside, Rolling Coulter, Weed Hooks or Shares to wear out or keep in order.

A Disc Blade has 6 feet of cutting surface. Is it any wonder it outlasts two or three Plow Shares?

Hapgood-Hancock Quadruple Disc Gang



BETHANY, ILL., March 22, 1902.
—Tried Triple Disc Gang in
mucky ground where mould
board failed. Ship two more at
once.
O. W. SANNER.

SHEESVILLE, ILL., April 12,
1902.—I plowed 6 to 7 inches deep
with four medium size horses in
black clay, "muck and wet soil."
No other plow would ever do the
work in this field.
JOHN W. BROWN

Hapgood-Hancock Quadruple Disc Gang cuts 44, 48 and 52 inches, and runs with four horses abreast off-horse in the furrow, and with as light draft as any Mould-Board Double Gang, cutting only 28-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 block 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.

The Disc Blades will ordinarily last about three years. They wear sharp all the time until you get back to the thick part of the Blade, when they are easily sharpened. A good file is sent along with the Plow to sharpen them in case you strike stones. 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.

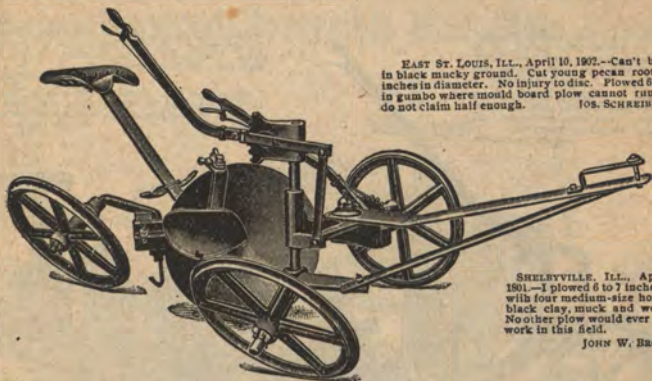
See our **Disc Sharpener**, fully illustrated on Page 8. You cannot afford to be without one of these Sharpeners.

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 are 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 at any time to change to a Gang. All our Plows are 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. Can also be increased to larger sizes to run with an engine.

Hapgood-Hancock Disc Sulky¹¹



EAST ST. LOUIS, ILL., April 10, 1902.—Can't be beat in black mucky ground. Cut young pecan root three inches in diameter. No injury to disc. Plowed 6 inches in gumbo where mould board plow cannot run. You do not claim half enough. JOS. SCHREIBER.

SHELBYVILLE, ILL., April 12, 1901.—I plowed 6 to 7 inches deep with four medium-size horses in black clay, muck and wet soil. No other plow would ever do the work in this field.

JOHN W. BROWN.

If you are going to use only 2 Horses, then we recommend the Disc Sulky, but if you are going to use 3 Horses, then by all means order a Gang, unless your ground is very, very bad; but even then you can change the Disc Gang into a Sulky. It is a fact that nine men out of ten who bought Sulkies last season have since ordered the Attachments to change them into Gangs.

PRICE LIST.

Hapgood-Hancock Disc Sulky, 2-Horse Hitch
Hapgood-Hancock Double Disc Gang Comb. 3 and 4-Horse Evener
Hapgood-Hancock Triple Disc Gang Comb. 3 and 4-Horse Evener
Hapgood-Hancock Quadruple Disc Gang Comb. 3 and 4-Horse Evener

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

The Hapgood-Hancock is the **only successful Disc Plow on Earth to-day**, and because of that fact a few Manufacturers without any ingenuity of their own have attempted to build a Disc Plow that looks something like the Hancock, while leaving out the vital principles covered by Mr. Hancock's Patents, without which no Disc Plow is a success.

Do not be fooled by these imitations, because they are offered at a little lower price. We invite these people to meet us in the field. Remember that it is not a **Genuine Hancock** unless the name "**Hancock**" is painted on the Machine.

Read our guarantee—when offered Disc Plows that are claimed to be "as good" (they never say better, they are satisfied with "as good;" they know the Hancock is perfection.) Ask for their printed guarantee the same as ours; if you get it let us know and we will give them a chance to prove it.

Read just a few expressions taken from letters received from farmers and dealers who have bought on trial and who kept their money in their pocket until tried. Would you write such letters if you were not pleased? **They know** for they have been in the field. **Will you try one?**

We will ship to responsible parties who send satisfactory bank reference, any of the above Plows at the above prices, **subject to trial.**

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.**

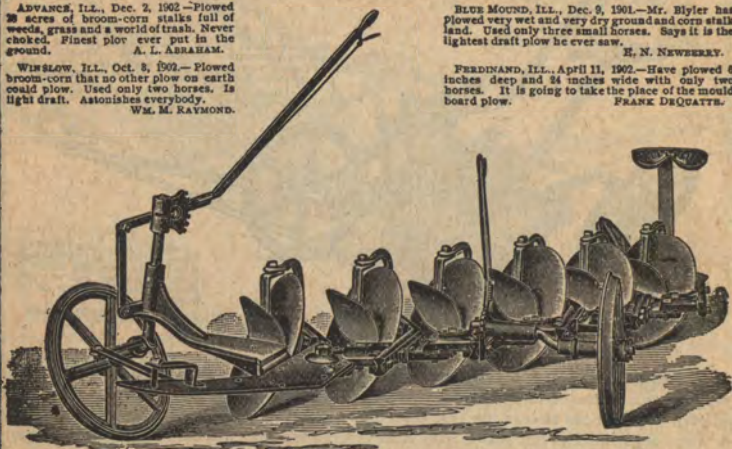
Hapgood Six-Disc Gang.

ADVANCE, ILL., Dec. 2, 1902.—Plowed 25 acres of broom-corn stalks full of weeds, grass and a world of trash. Never choked. Finest plow ever put in the ground.
A. L. ABRAHAM.

WINSLOW, ILL., Oct. 8, 1902.—Plowed broom-corn that no other plow on earth could plow. Used only two horses. Is light draft. Astonishes everybody.
WM. M. RAYMOND.

BLUE MOUND, ILL., Dec. 9, 1901.—Mr. Blyler has plowed very wet and very dry ground and corn stalk land. Used only three small horses. Says it is the lightest draft plow he ever saw.
E. N. NEWBERRY.

FERDINAND, ILL., April 11, 1902.—Have plowed 6 inches deep and 34 inches wide with only two horses. It is going to take the place of the mould board plow.
FRANK DEQUATTE.



The above cut shows one of our six disc gangs which can be handled with any ordinary traction engine, and can also be run in any decent ground with eight horses, and when the ground is loose and in good condition, with six horses.

We also make these plows at the present time as large as eight and ten disc. Above that size we recommend the use of two smaller plows instead of a larger one.



READ WHAT THEY SAY ABOUT OUR PLOWS TO BE RUN WITH AN ENGINE.

JUNCTION CITY, KAS., Oct. 17, 1902.—We took two of your quadruple gangs and changed them into one gang of eight discs to be run with an engine, and we must say it is a great tool and entirely successful.
J. J. & W. F. MUENZENMAYER, Dealer.

HARPER, KAS., Oct. 20, 1902.—I have lately sold two of your quadruple gangs to be run with an engine, making a long draw bar to attach them, and the same is giving perfect satisfaction.

JOHN A. ALLEN, Dealer.

Read the extracts taken from letters of both dealers and farmers, we have thousands of letters like these. Would you write such letters unless you were satisfied, and should they not convince any intelligent man that we have not claimed as much for our plow as we are justified in doing?

PERTH, N. D., Oct. 26, 1902.—I have sold twenty-six of your Hapgood-Hancock quadruple disc gangs this fall and enclose order for car load for next season.

Our land here is stony and we have given the plow a severe test. It is almost impossible to sell a Mould Board Plow in this territory now. It will certainly replace the mould board plow wherever the dealers and farmers are shown what it will do.

E. E. FITZ, Implement Dealer.

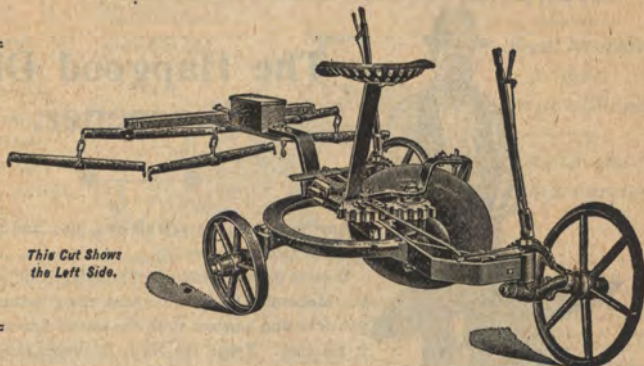
DAVENPORT, N. D., Oct. 11, 1902.—We have sold twenty-one of your quadruple gangs within the last thirty days. I am using two quadruples on my own farm and in twenty-two years' experience I have never found a plow to equal it.

I use the same team on the quadruple cutting forty-eight inches that I have been using on a twenty-eight inch mould board gang and I am plowing deeper and doing better work with your quadruple.

L. T. SCHNEIDER, Implement Dealer.

Hapgood Reversible Disc Plow.

Plowing
Hillsides
Made
Easy.



This Cut Shows
the Left Side.

PLOWS "A COMIN' AND A GOIN'."

THE HAPGOOD REVERSIBLE DISC PLOW

is the only Successful Reversible Plow Built To-Day. It is Simple in Design, Few in Parts, Perfect in Construction, and Durability Beyond Question. Easy to Operate on Hillsides or Level Land. We Call Attention to Only a Few of Its Advantages.

**COVERS WEEDS AND TRASH THOROUGHLY. TURNS CORNERS
EITHER RIGHT OR LEFT.**

Team does not trample the plowed ground at the corners. Plows hard, dry land. Plows anything except sod or ground too wet to pulverize. This plow has all of the splendid qualities of the **HANCOCK DISC PLOW**—in lightness of draft, pulverizing the ground, perfect construction, perfect alignment and setting of the Discs, and the use of the **Hancock Patents**, without which no successful Disc Plow can be made, and in addition it is especially designed for plowing hillsides and rough ground of that character where only a Sulky can be used.

It is also especially adapted where a party wants only a Sulky Plow, doing the work on level ground equally as well as any plow, besides enabling you to plow back and forth on the same land.

**We Guarantee Our Reversible
Disc Plow to do Good Work**

not only in hard, dry ground, but to do good work in any fallow ground, either clean or trashy, on hillside or level land; in short, to be good anywhere, at any time, when plowing can be done, except in sod land or ground too wet to pulverize. We warrant against breakage for twelve months, caused by defects in material or workmanship.

Hapgood Reversible Disc Plow.

2-Horse Hitch, \$40.00. Made Only in a Single Disc.

Above Price F. O. B. cars Alton, Ill. Will ship to responsible parties who send satisfactory bank reference subject to trial.

5 Per Cent. Discount will be given from above prices if cash is sent with the order. Every Plow guaranteed or money refunded.

Sold through Agents only, under directions of the inventor.

Special and liberal discounts made on the first Plow to introduce it, and a liberal price paid to any purchaser of a plow who has time to hold a few exhibitions.

HAPGOOD PLOW CO. - - ALTON, ILL.

EXCLUSIVE MANUFACTURERS.

SHARPEN YOUR DISC BLADES. SAVES TIME, TROUBLE, MONEY AND CUSS WORDS.

Sharp Discs save at least one horse, and enables any man to do better work.
We have just what every farmer and blacksmith wants.



PATENT APPLIED FOR.

The Hapgood Disc Sharpener.



Any farmer can sharpen his own Disc, and pay for this machine in one sharpening.

It saves the steel, instead of grinding it off and wasting it. Makes the Blade better than new, because the more you draw and hammer steel, the better, firmer and harder it becomes. Keeps the Blade in proper shape or alignment, with a long natural bevel. (A short bevel made on the edge of a Blade prevents it from going into the ground and is worse than a dull blade.) Sharpens any size Disc Blade. One man does the work. Send for one now. Sharpen your Disc Blades this Fall and Winter. Get your tools ready for Spring work.

Every Blacksmith Should Have One of These DISC SHARPENERS.

Can Be Fastened to Any Anvil. Placed in Position or Removed in a Half M'nute.

DIRECTIONS.—Heats from 6 to 8 inches at a time to a red heat. Draw until cold. Use round face hammer, and if you use a helper with sledge, have him stand at end of Anvil and draw towards him when striking. One heat is enough for each space. Smooth up the edge with a file and you have a perfect Disc, ready for business.

With one of these in your shop you will be able to secure the entire work of this kind in your vicinity.

No more grinding and wasting away of the Disc Blades. Made better and larger than when new. Order now and save delay.

Retail Price, \$5.00; f. o. b. Alton.

HAPGOOD PLOW CO.,
EXCLUSIVE MANUFACTURERS.



PATENT APPLIED FOR.

BROKEN ARROW, I. T., Jan. 9, 1905.—Haggood Plow Co.—Dear Sirs: Yours of the 31st of December received with \$1.70 enclosed. Thank you for courteous treatment. I fully appreciate it, and if I need anything in your line later on I will remember you and also tell my neighbors about you and your goods and courteous treatment.

Yours respectfully,

RICHARD DAVIS.

15

Delivered at Kansas City, Omaha or Minneapolis for \$2 extra.

4 per cent discount for cash with order.

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



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.

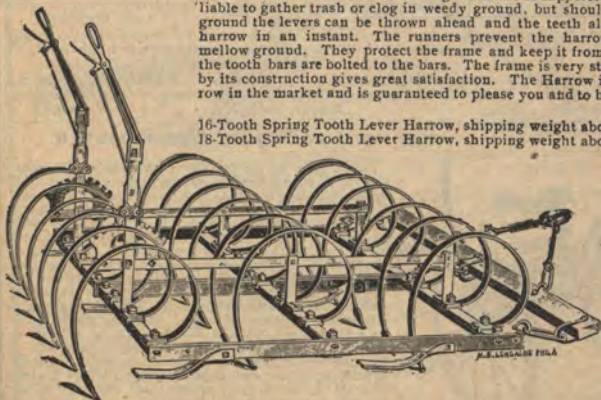
14-inch " " 550 lbs., Cut Price, 42 00.

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 in the market and is guaranteed to please you and to be just as represented.

16-Tooth Spring Tooth Lever Harrow, shipping weight about 200 lbs......\$12.00
18-Tooth Spring Tooth Lever Harrow, shipping weight about 225 lbs. 13.00

Get Price.



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

Haggood Plow Company, Alton, Ill.—Gentlemen: The Plow, Harrow and Planter that I bought of you all do splendid work. The 14-inch Turf and Stubble Board Plow pulls as easy as a chilled plow and does more and better work. The same tools here would have cost me \$9.50 more than I paid you and would have been of an inferior quality.

Signed,

ST. JAMES, MO., Dec. 12, 1904.

W. B. GHENT.

SYKESTON, N. D., March 15, 1904.

Haggood Plow Co., Alton, Ill.—Gentlemen: Permit me to write you as to the merits of the 4X1 One-Way Disk Drill purchased of you a year ago. I will say they are as near perfect as it has ever been my lot to find in the Farm Implement. She's a sticker.

Yours very truly,

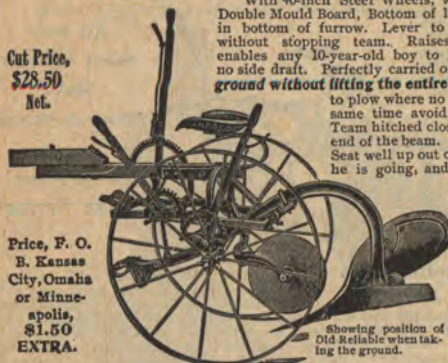
J. A. FELVER.

NEWTON, KAN., Aug. 25, 1898.—Hapgood 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 HAPGOOD.

Cut Price,
\$28.50
Net.

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



With 40-inch Steel Wheels, with Hub Boxing, 16-inch rolling cutter, Double Mould Board, Bottom of landside cut out so there is no dragging in bottom of furrow. Lever to raise or lower either heel or point without stopping team. Raises very high. Spring lifting lever that enables any 10-year-old boy to handle it with ease. No neck draft, no side draft. Perfectly carried on the wheels, **yet cannot raise in hard ground without lifting the entire machine and driver**, thus enabling you to plow where no other plow can hold the ground and at the same time avoid all friction in the bottom of the furrow. Team hitched close to the work and pulls direct from the end of the beam. All the weight carried on 40-inch wheels. Seat well up out of the dust where the driver can see where he is going, and last but not least, **warranted to run lighter on the team than any walking Plow and cutting two inches wider.** Please notice that the Old Reliable goes **into the ground point down** (see cut) instead of coming down flat like a duck's foot and sliding along on the ground without going in, as all three wheel plows do (**except the Piasa Bird, which can be depressed at the point**). Every farmer that has been annoyed with his Plow sliding on the bottom instead of going into the ground

will appreciate this point in the Old Reliable Sulky. Owing to the unmistakable drift of the farmers away from the little wheel sulkies, 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 Coulter, Triple Tree, Neck-yoke and Weed Hook.

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

NEW HOLLAND, ILL., March 19, 1898.—Hapgood 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. DUGINGER.

KANE, ILL., Sept. 5th, 1898.—Hapgood 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.—Hapgood 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. PEUGH.

4% 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 landalides which carry the lister in an upright position, making it the easiest lister there is made to hold.

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

4th. The sub-soller 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-soller.

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, 15, 20, 24 or 28 inches apart. The drill box and sprocket chain are perfectly protected from stalks and clods 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 a sorolet or a Jid 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, 50 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. The 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. Saved \$3.00 on each harrow.

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. HODON.

SPRAGUE, NHB., 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. K. GOFF.

OUR FLEXIBLE and RIGID FRAME HARROWS

The two cuts on this page illustrate our Channel Steel Rail Harrow, and we make the assertion, without fear of contradiction, that there is not a better harrow on the market or a better device for holding the teeth, or a harrow that will stand more work than this.

The first cut shows one section of our Flexible Frame Channel Steel Harrow with **our safety spring**. Now we want you to note carefully the construction of this harrow, which consists of a **steel channel rail**. In the bottom flange we punch a square hole, in the top flange a round one.

The smaller cut shows the tooth with the top rounded, sufficient to pass through the upper flange of the rail and to attach an hexagon nut. This tooth has a square shoulder, while you notice that the **entire tooth passes through the lower flange of the rail which acts as a support or brace to strengthen the tooth.**

These teeth are fastened in by a special machine and can not lose out. The rail is very strong. Across each end of the top we have a truss bar with two bars in the center. In connection with the rail we use only malleable. **There is no cast iron in this machine.**

The principle of this machine is ideal, while the material in its construction is perfect. The lever enables you to throw the teeth at any angle. The advantages of a lever harrow are too well-known to need explanation here. **The safety spring device is something new.** It gives the teeth a vibrating motion which prevents it from gathering trash and pulverizes the ground, and at the same time prevents the teeth and frame from being bent by striking an obstruction.

Can be changed instantly into a regular harrow by changing the pin from the hole in the front of the casting on the cross-bar to a hole through the casting and through the spring rod.

When packed for shipment each section makes a bundle 4 feet 3 inches long, 8 feet wide and 4 inches high, with the teeth all turned inside and protected. The easiest harrow on the market to set up, and you will note that this harrow has 64 teeth, while most harrows have only 60 teeth, and we **absolutely guarantee that every tooth is equal-distant from the other**, pulverizing all the ground. If you will examine any other harrow at work you will find that while some teeth jog 1 inch apart, others are 3 inches apart. You can not do good work with such a harrow.

Note Our Extremely Low Prices Complete With Eveners, $\frac{1}{2}$ -Inch Teeth.

					C. O. D. Price.	Cash with Order Price.
64-Tooth, 2 Section, Flexible Frame Harrow.	Weight, 177 lbs.					
96 " 3 " " " " " "	" 280 "				\$ 8.50	\$ 8.15
64 " 2 " " " " " "	" 199 "				12.75	12.20
96 " 3 " " " " " "	" 313 "				9.00	8.65
					13.50	12.95

Rigid

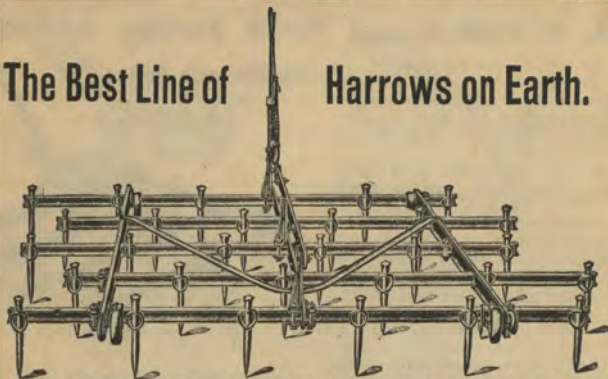
For safety springs on either of the above harrows, add 50c per section. Each section contains 32 teeth and cuts 4 feet, 8 inches, and does the work to perfection. All our three-section harrows have a combined two and three-horse evenner, so you can use only two sections if you wish and have a two-horse evenner for same.

This cut shows the same harrow as the Flexible, but with the ordinary ratchet instead of the spring, also showing the double truss bar across both the top and bottom, making it very stiff and rigid—just the machine for hard usage.

The spring shown on the Flexible can also be put on this harrow at 50c per section extra.

WINFIELD, Mo., April 28, 1904.—Haggood Plow Co., Alton, Ill.—GENTLEMEN: I want to call your attention to the fact that last August I bought a Piassa Bird Gang Plow from you and I like it fine. Most of the farmers up here buy gang plows from the agents and pay from \$50.00 to \$55.00 for the Deere Gang, and I feel like telling you I would not trade my plow for any one of them.
(Signed) J. H. FUNK.

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.

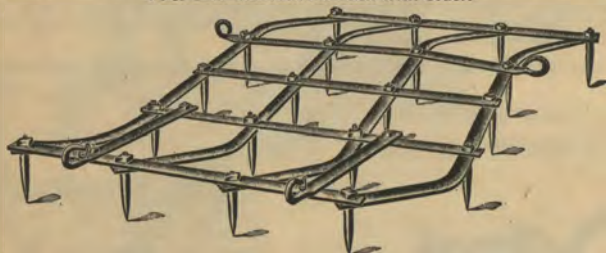
Every tooth in its proper place and every tooth equal distance from the other. Notice other Harrows and you will find they do not cover the ground thoroughly, some of the furrows being from 1½ to 3 inches away from the next one. This makes bad work.

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

60-Tooth, 2-Section, ¾-Inch Teeth, Weight, 240 lbs	Price, \$ 9.00
60-Tooth, 2-Section, ¾-Inch Teeth, Weight, 280 lbs	" 9.40
90-Tooth, 3-Section, ¾-Inch Teeth, Weight, 360 lbs	" 13.55
90-Tooth, 3-Section, ¾-Inch Teeth, Weight, 400 lbs	" 14.00

4-Section Harrows at a proportionate price. Price complete with eveners. All our 3-Section Lever Harrows have combined 2 and 3 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 ¾ 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, ¾-Teeth, Weight, 163 lbs., cuts 7 feet	Price, \$ 8.00
60-Tooth, 3-Section, ¾-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.—Haggood Plow Co., Alton, Ill.—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. ABBOTT.

The Hapgood Spring Tooth & Spring Spike Tooth U-Bar Lever Harrow.

21



Above cut shows one section of our new Spring Spiked Tooth U-Bar Lever Harrow. Something entirely new and original and unique. Notice the position of the tooth when it strikes a rock, how it takes care of itself. The action of the tooth is clearly shown by the small cut below.

By the use of the lever, it can be set at any angle from absolutely flat to slanting forward. It is the only harrow made that you can set the point of the tooth slanting forward, tearing up the ground and at the same time not the slightest danger of breaking the harrow.

In this respect it does all the work and does it better than any spring tooth harrow ever made, because there are so many more teeth. The teeth are held to the bar without either bolt or nut, but by springs on the edge of each individual tooth.

We guarantee this harrow with $\frac{1}{2}$ inch teeth will stand more strain than any harrow made to-day with $\frac{1}{4}$ inch teeth. On this harrow we can set the teeth slightly forward to hook into the ground and do work impossible with any other harrow. We can use it in stones without injury. It does better work in going over the ground once than any other harrow in going over two or three times. It does the work of a spring harrow, and cuts ten feet while the spring tooth cuts only six foot, and our harrow with 60 teeth cuts up the ground much better than any 18 teeth found on any other harrow.

Another great advantage is that the socket receiving the teeth enables us to use any kind of teeth as long as the edge is $\frac{1}{4}$ inch square. Our teeth are double pointed, so they can be reversed. They can be raised or lowered, or taken out and the ends reversed in a very few seconds.

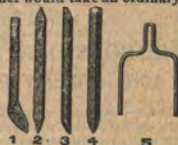
We show here a few of the different kind of teeth, and we call attention to the weeder teeth, No. 5. By getting a set of these you can change your harrow into a weeder in a very few minutes time, and at a little expense. We absolutely guarantee that these teeth will not work loose or fall out.

We will guarantee to run this harrow with the teeth slightly forward and under conditions where an ordinary machine would be ruined in a very short time. This harrow is not only most ingenious in construction, but most perfect in operation, and when seen at work along side of a regular U-Bar Harrow, we do not believe any farmer would take an ordinary harrow as a gift.



60- $\frac{1}{4}$ -Teeth, Double-Pointed, 2 Section, cutting 10 $\frac{1}{2}$ feet, 5 U-Bars, weight 250 lbs.....\$15.00

90-Teeth, $\frac{1}{4}$ -inch Double-Pointed, 3 Sections, wt., 375 lbs..... 22.50



Made also in 25-tooth and 35-tooth Sections.

Additional discount of 5 per cent is made for cash with order.

AGENTS WANTED IN ALL UNOCCUPIED TERRITORY.

Special inducements made on the first machine to introduce the same where we have no agents. Write now, as it is the greatest invention ever made in Lever Harrows.

Address: HAPGOOD PLOW CO., Alton, Ill.

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.**

Weight.			Weight.			
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 50
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 Eveners are not wanted, deduct \$2. Machines with 8 Discs turn-

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

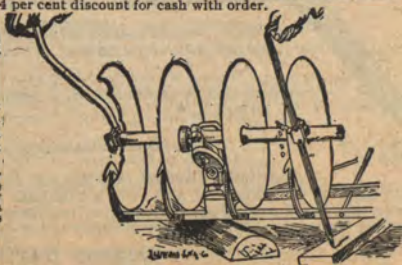
**THE BOSS DISC SHARPENER
AND EMERY POLISHER.**

This is something every farmer should have. A sharp tool saves time, money and cuss words.

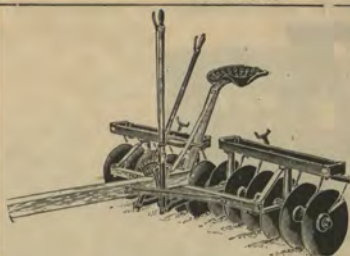
We trust you will send us your order for one dozen and retail them out to your neighbors. Sell like hot cakes.

Directions.—Take seat off Harrow—upset Harrow discs up—clamp the crank by the use of the two bolts around nut on axle and hold machine so knife or emery block touches at the desired place of disc about 3 inches above center of axle. Turn slowly, about 5 revolutions per minute.

PRICE..... \$1.25 NET



Our Celebrated Budlong- Ladow Disc Harrow



With
Two
Levers

On the opposite page you will see a large, detailed cut of this celebrated Disc Harrow and the numerous advantageous features which we claim.

The above cut shows the same Harrow, identical in every particular. The cut is smaller and shows the front view, taken on purpose to show the two levers in place of the one lever used on the other style.

As you are aware, there is an idea among users that it is an advantage sometimes to set one disc with more angle than the other, especially in cultivating side hills, and to meet that requirement we have changed this harrow and put on two levers, but not making any other change in the construction of the harrow, because it is without any question the superior of anything on the market to-day in strength, durability and working features.

The Disc Harrow on the opposite page can also be set to run one disc at more angle than the other by simply changing the bolt that goes through the draw bar and the lever, but, of course, that is not quite as convenient as this style. This machine also has a steel spring seat bar.

Our prices on Disc Harrows are very low. We could reduce the weight of our Harrow and the castings of which it is made 75 lbs., and still have a better Harrow than many others, but quality comes first with us, not how cheap, but how good we can make an article and then sell it at a reasonable price.

WE WILL FURNISH THIS DOUBLE LEVER DISC HARROW AT THE SAME PRICE AS SINGLE LEVER. (See Prices Below.)

		Weight.	
No. N-0.	8-16 in. Discs, cut 4 ft.,	350 lbs	\$17.00
No. N-00.	10-16 in. Discs, cut 5 ft.,	375 lbs	18.50
No. N-1.	12-16 in. Discs, cut 6 ft.,	400 lbs	20.00
No. N-2.	14-16 in. Discs, cut 7 ft.,	450 lbs	22.00
No. N-3.	16-16 in. Discs, cut 8 ft.,	500 lbs	24.00
No. N-000.	8-20 in. Discs, cut 4 ft.,	375 lbs	19.00
No. N-0000.	10-20 in. Discs, cut 5 ft.,	400 lbs	20.50
No. N-4.	12-20 in. Discs, cut 6 ft.,	425 lbs	22.00
No. N-5.	14-20 in. Discs, cut 7 ft.,	525 lbs	24.00
No. N-6.	16-20 in. Discs, cut 8 ft.,	575 lbs	26.00

18-inch Discs \$1.00 more than 16. If 4-horse eveners are not wanted, deduct \$2.00. Machines with 8 discs furnished with 2-horse eveners. 4 per cent. discount for cash with order.

In designating this Harrow do not fail to use the letter "N" to distinguish it from the other.

We want to hand you below just a few testimonials from some of our customers just to fill up this page. We have thousands of such letters, however.

DAVIS, Mo., Dec. 10, 1901.—Hapgood Plow Co., Alton, Ill.—GENTLEMEN: In regard to the Combined Disc Harrow and Wheat Drill I purchased of you some 16 months ago, will say that it is a most excellent piece of machinery, as it can be used for so many purposes. I have used it successfully in the following operations, and will note the cost of machinery commonly used in each specific operation:

A Disc to pulverize hard wheat land in the fall.....	\$ 25.00
Sowing bone meal at last cutting, before sowing wheat, cost of the Drill and Fertilizer.....	72.00
Drilling oats in the spring by taking the place of oats sower.....	10.00
Total worth of machinery saved by one machine.....	\$107.00
Your machine doing the same work cost me.....	40.00
Saved in buying your Combined Machine.....	\$67.00

Yours very truly, JAS. L. CALLAWAY.

CACHE JUNCTION, UTAH, Aug. 11, 1901.—Hapgood Plow Co., Alton, Ill.—GENTLEMEN: I enclose draft for \$52.40 in payment for one of your No. 6-XD 16-20 Disc Harrows and Drills combined, discount deducted.

Ship by the Union Pacific Railroad Co. I have tried the 16-20 Disc Harrow which throws the earth all one way, and have found it perfectly satisfactory, but the drill attachment I have not tried, but believe it will be a great advantage to me if it works well, as I have over 600 acres of land and use several of them.

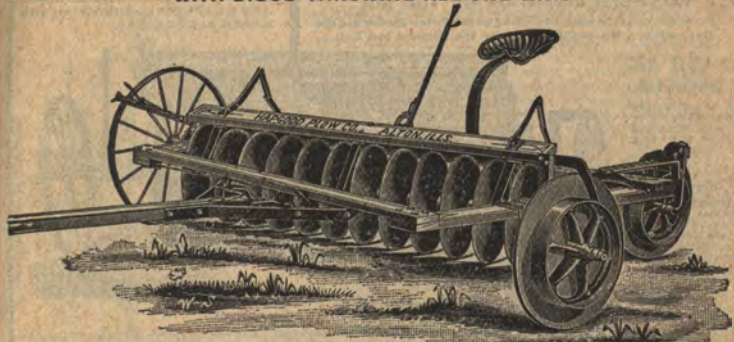
Please ship at once by through freight, so I can have it to use as early as possible; also send me your catalogue and price list of all the goods you sell.

Yours truly, ROBERT BALLANTYNE.

BREVATOR, Mo., Aug. 27, 1901.—Hapgood Plow Co., Alton, Ill.—GENTLEMEN: Your one way Disc Drill I got a short time back is all O. K. does fine work and am well pleased with it. If the plow does as well, I will buy two of them. (Signed) JOHN BREVATOR.

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 castor 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 Attachments; 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 84 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, KAS., Jan. 16, 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)

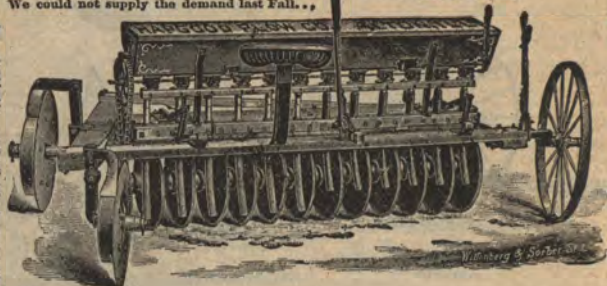
CHARLES LEWIS.

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

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

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

Any practical Farmer will appreciate its advantage on a moment's thought. It leaves 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 fuses. We furnish



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, sailing 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 seed. We also have Disc Drill and Seeders throughout 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 $6\frac{1}{2}$ 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.)

as when cutting in deep or shallow water, 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, while 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 least 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

Endicott, 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.

2X	8-20 Disc Harrow only, cutting 4½ feet, weight 700 pounds		\$31.00
2XS,	8-20 Seeder,	" 4½ "	900 " 45.00
2XD,	8-20 Drill,	" 4½ "	1000 " 49.00
3X,	10-20 Disc Harrow only,	" 5½ "	800 " 33.00
3XS,	10-20 Seeder,	" 5½ "	1000 " 47.50
3XD,	10-20 Drill,	" 5½ "	1100 " 52.00
4X,	12-20 Disc Harrow only,	" 6½ "	900 " 35.00
4XS,	12-20 Seeder,	" 6½ "	1100 " 50.00
4XD,	12-20 Drill,	" 6½ "	1200 " 55.00
5X,	14-20 Disc Harrow only,	" 7½ "	800 " 38.00
5XS,	14-20 Seeder,	" 7½ "	1000 " 55.00
5XD,	14-20 Drill,	" 7½ "	1100 " 60.00
6X,	16-20 Disc Harrow only,	" 8½ "	1100 " 41.00
6XS,	16-20 Seeder,	" 8½ "	1200 " 60.00
6XD,	16-20 Drill,	" 8½ "	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 1/4 IN. APART.

8-20 Inch Discs, cutting 6½ feet.	\$55.00
4-20 Discs with Fixtures to change to Regular Disc Harrow	4.00
9-20 Inch Discs, cutting 7 feet 3 inches	58.00
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.

MARSHALL, MINN., Oct. 18th, 1904.—Haggood Plow Co., Alton, Ill.—Gentlemen: I bought one of your Plaza Bird Gang Plows three years ago, and am now seedling new rows for the wheels. I will send you the money, or send them O. D. on delivery. The plow gives satisfaction. It has the best steel in it of any plow I ever saw, and the lays hold their edge well and never had a point put on them. The Haggood is by far the best steel, and where a Haggood don't scour it is of no use to try with any other or either of the Moline plows. Very respectfully,
MARTIN LAW.

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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 bill 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 3½ to 5 feet without removing a bolt. A steel double-tree 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 Disc Cultivator, a Middle Burster, 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 chine.

Regular, 4 Shovel Riding Cultivator.....	\$22 00
Regular, 4 Shovel with Eagle Claw, both set.....	25 00
Regular, 6 Shovel.....	24 00
Regular, 8 Shovel (Eagle Claw).....	23 00
Regular, Spring Trip, 4 Shovels.....	24 00
Extra for handles and walking attachments (see cut No. 2).....	50
Extra for Corn Saver Rake, with holder.....	25
7 Knife Stalk Cutter Attachment costs.....	\$13 00
Disc Cultivator Attachment, either kind.....	12 00

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

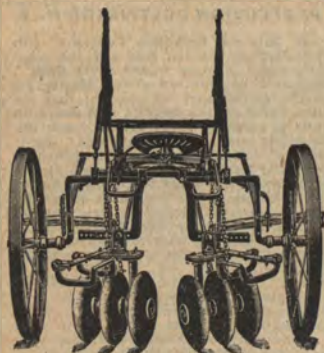
Middle Breaker Attachment.....	12 00
Complete Lister and Drill with Attachment.....	22 00

4 per cent. discount cash with order.

CURRYVILLE, MO., May 11, 1904.—Haggood Plow Co., Alton, Ills.—Dear Sirs: The 14-inch Plaza Bird Gang I purchased of you is giving good satisfaction. I have been breaking sod with it that has not been broken in 30 years with four light horses. One fellow who came to see it work said it didn't pull my four horses any harder than his 14-inch plow pulled three horses in the same kind of sod.

Those who have seen it think it a fine thing. There will probably be some more ordered. Very respectfully yours,

JOHN T. TURNER.



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 Cultivator, 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 3½ 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 ran too deep, with perfect adjustability to any width, or to throw to or

from the corn, to set the disks at an 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, including the Adjustable Arch, which goes with all Disk Cultivators.....\$26.00

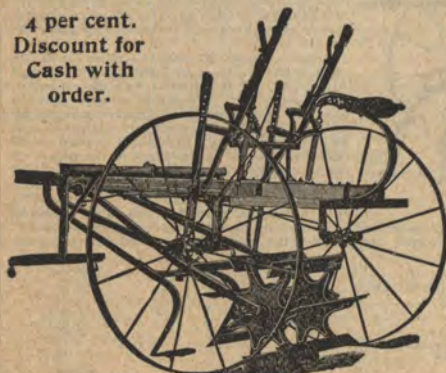
All Mystic or Perfection Attachments go on this machine.

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.

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 cutter 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 horses' necks, and the entire machine is covered so that neither boys nor lines 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 weight, 400.....\$25 00

Price Complete, 5 Knives, shipping weight, 350.....23 00

Price of 7K. Attachment, where you have any other Mystic, shipping weight, 180.....12 60

LEWISTOWN, MD., Jan. 7, 1903.—Haggood Plow Co., Alton, Ill.—Gentlemen: I purchased a No. 2 Disk Cultivator from you several years ago. It has given good satisfaction, equally as good as any I ever had.

I am needing a few repairs and you will please send me your repair catalogue; also quote prices on disk harrows.

Thanking you for the promptness given my orders, I am,

Yours very truly,

W. S. BUSWELL.

WALKING CULTIVATORS

29

Do not overlook this handsome line. We call them Boys' Cultivators because they are so easy to handle, so perfect in construction, so complete in every detail, they require no fixing, no adjusting and no monkeying with springs, cocks and triggers. Any boy can run them, but they are full sized Cultivators in every particular.

EXAMINE
THE
SPRING
AND THE
ROUND
MALLEABLE
BRAKE PIN.



BEST
HARDENED
SOFT
CENTER
SHOVELS,
Guaranteed
TO SCOUR.

THIS CUT SHOWS OUR BOYS' CULTIVATOR WITH REGULAR FOUR SHOVELS AND STEEL HITCH.

Our family of Boys' Cultivators consists of over twenty combinations, and is the most complete, simple and attractive ever made, including the regular cultivator with four large shovels, the Eagle Claw and Spring Tooth for surface cultivation, and the Spring Trip Beam and Parallel Beam. All of these are made with our new Steel Hitch, and all of them with adjustable Arches. (at 50c extra), enabling you to adjust the wheels to any desired width.

We call particular attention to our Double-Acting Spring with five points of adjustment, and can be adjusted to press the shovels into the ground and carry them at any desired lift, and in all cases throw the gangs up to the beam hook when started from any adjustment, the change being made in an instant without the use of any tool or moving a bolt. Our cultivators are all made so that the beams can be adjusted up or down and set to any width apart. They are provided with our new malleable, round brake pin attachment so that the shovels can be raised or lowered or set at any angle to the earth. We can also furnish these cultivators with the old style steel brake pin with a slotted hole, giving plenty of adjustment up and down, and can be set to any reasonable angle.

To either of these brake pin attachments you can attach mould board shovels or bull tongues. All our cultivators are shipped complete with shields.

We wish to call particular attention to our wheels which are 30 inches high, very strong and well made of the best of steel and with movable or changeable boxings, so they can be replaced when worn out. Do not buy a steel wheel without these boxes. The handles are adjustable to suit any boy or man. In fact these cultivators contain every point of merit that others have and many new ones, and are simple and perfect in construction.

The material used in the construction of our cultivators 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.

Our round, malleable brake pin enables you to use three or four different styles of shovels on the same frame. All the different styles of beams mentioned above can be attached to the same frame in a very few minutes, giving you several styles of cultivators, with only the expense of one frame.

We believe it is the best cultivator that can be built. If we knew of any way of building a better one we would do it. There are no extra springs, cocks or triggers to get out of place and cause trouble, and we know that for practical work this cultivator is equal to anything on earth. Note our extremely low prices. 4 per cent discount for cash with order.

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.....	13.00
Boys' Spring Trip Cultivator, weight, 200 lbs.....	14.00
Boys' Spring Tooth Cultivator, weight, 200 lbs.....	12.50
Boys' Parallel Beam Cultivator, weight, 200 lbs.....	14.50

IMPROVED BOYS' SPRING TOOTH CULTIVATOR.

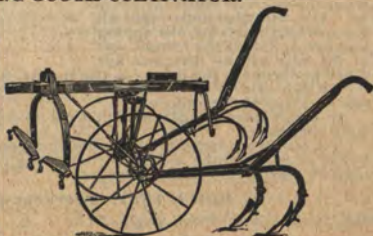
With Adjustable Arch & Steel Hitch.

You will notice the spring tooth attachment on the right hand side. You will also notice that our spring tooth shovels are not set in a row as others make them, but they are zig-zag, so they will not clog. They are made adjustable on the beam, so that the front shovels can be set as far as desired from those in the rear, making it impossible to clog them.

This cut also shows our regular four shovel beam on the left hand side, showing that you can use any style of our gang on the same frame.

PRICE LIST.

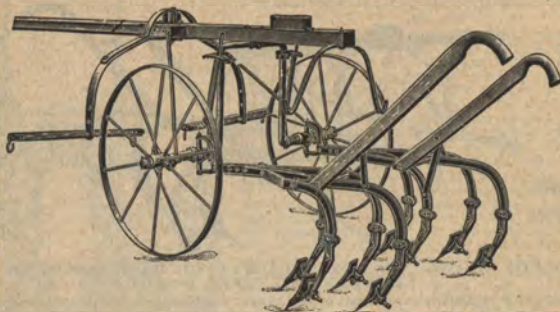
Boys' Spring Tooth Cultivator, weight 200 lbs.	
Price.....	\$12.50



IMPROVED BOYS' EAGLE CLAW CULTIVATOR.

Steel
Wheels
and
Movable
Boxes.

Do not
Buy a
Machine
with Steel
Wheels
Without
Them.



EAGLE
CLAWS
Make the
BEST
TOOL
For
Surface
Culti-
vation.

The above cut shows our handsome Boys' Cultivator with Eagle Claw Beams and Steel Hitch. We desire to call your attention to the description of Boys' Cultivator on opposite page. We also desire to call your attention particularly to the following combination, namely: That by taking off two of these eagle claw beams and shovels on each side and attaching the four large shovels to the two beams on each side that are left, you convert this Eagle Claw into a Regular Boys' Four Shovel Cultivator, giving you both styles of cultivators by simply buying the set of shovels to go with it.

Do not forget that this Cultivator is furnished with adjustable arches, double steel hitch, steel wheels with movable boxes, is strictly first-class in every particular and of the best material that money can buy. Note our prices. 4 per cent discount for cash with order.

Boys' Eagle Claw Cultivator, as above, weight 200 lbs.....	Price, \$13.00
Boys' Cultivator with Eagle Claws and Large Shovels, <u>when ordered together,</u>	
weight, 225 lbs.....	" 16.00
Eagle Claw Attachment, only, for other makes of Cultivators.....	" 4.75

In ordering these Eagle Claw Attachments for other Cultivators it is only necessary to give us a paper pattern of the clevis you are now using, showing the position of the holes bolting the beams to the clevis, so that we can make the holes in our beams correspond and fit your clevis.

IMPROVED BOYS' SPRING TRIP CULTIVATOR. STEEL HITCH.

The Spring Trip Cultivator is coming to the front lately as a very desirable tool, and we want to say that we believe we have to-day as good, if not the best, spring trip there is on the market. In the first place it is strong and absolutely reliable. It is also absolutely under your control. In addition it is the only spring trip that the ordinary human being can understand and adjust without a machine shop at hand. The strength of our trip is controlled by a spring combination, and the change is made simply by tightening up the nut on the end of the spring bar. You will also notice that all the working parts of our spring trip are on top of the beams, out of the way of the dirt, and not down underneath the beams in the throat, where they clog up and cause trouble.

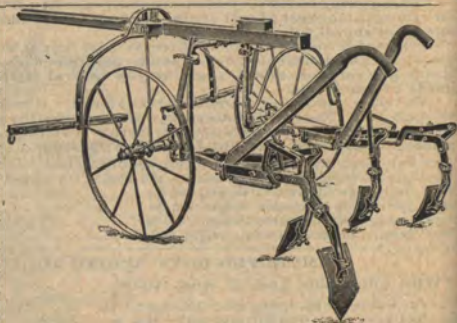
We also retain our brake pin for this style. Many manufacturers have to do away with their brake pins when they use the spring trip.

By simply disconnecting this Cultivator at the clevis, you can attach any of the other styles of beams to the same frame.

You can use our Spring Trip Cultivator with every assurance that it is just the tool you are looking for and absolutely reliable and safe in every particular, and we would refer you to the page 29 for a more complete description of the Cultivator itself.

PRICE LIST. 4 per cent discount for cash with order.

Boys' Spring Trip Cultivator, weight, 200 lbs.....	Price, \$14.00
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THE DUDES have risen very much in the estimation of the people since the late war, when 31 they went to the front and fought nobly.

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, no 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 Kunners, 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.

Shipping Weight.

TONGUELESS CULTIVATORS, either steel or wood beam.....	175 pounds.....	\$ 11 75
Tongue Attachment for Tongueless Cultivator.....	22 pounds.....	1 00
Tongue Attachment with Evers and Fixtures to change Tongueless into a Dude Cultivator.....	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.

Favor us with

..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.

Yours truly,

D. C. WALKER.

RANSOM, KAS., April 28, 1901.

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

OUR DOUBLE BOARD PLOW FOR 1905.

SWIVEL CLEVIS.

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



Made with wide Soft Center Steel Shares, with heavy Points, High Soft Center Steel Landside, 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 returned 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 Middlemen, Long Time and High Prices.

PRICE LIST ON DOUBLE BOARD 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

WOOD BEAM PLOWS SAME PRICE.

Every intelligent farmer will certainly buy a Double Board Plow at the slight difference in price when they understand what it means. Let us explain. This cut shows in Figure 1 a



single shin soft center steel Mould Board Plow made in three layers, like this cut; the center being soft steel and the outside hardened steel. When your mould board wears through to this soft center it is gone.



Figure No. 2 shows what is meant by double shin, which is simply a single board plow with a small patch of common steel welded on the back or front. This makes the shin look thick, but is only a fraud and delusion. The moment your hardened surface is worn off to the center it is good-bye to the plow. This patch only extends a little ways and is cheap steel.

Figure No. 3 shows our double board with the same soft center as No. 1 and No. 2, but with a double thickness of hardened steel not only on the shin, but through the entire mould board. You will admit that if we double the amount of steel in the face of the plow that we virtually double the value of the plow, as that is where they first wear out, hence we claim that our Double Board Plow is worth any two single board plows or plows with patches welded on. All this difference in the thickness of our board is in the hardened surface steel, the soft center is no thicker than in the ordinary mould board.

This is the finest steel in the world and the only steel that can be hardened so that it will scour any place. You would not buy a crucible steel plow, then why should you pay your money for a plow with a crucible steel patch, which certainly adds nothing to its value.

See next page for prices on Extra Shares, Rolling Coulters, Etc.

WE ARE THE SOLE MANUFACTURERS OF DOUBLE BOARD PLOWS.

Welded Patches are a detriment and worse than a single shin plow, as the process of welding and heating draws out the hardened steel from the face of the mould board. We advise you to buy our Double Board Plow, but if you wish to save a dollar buy the single shin plow, instead of the double shin, as made by other manufacturers. The process of putting on that patch is a detriment instead of an advantage.

We want to say a word in reference to our share points. We buy the best hardened soft center steel and with the point very long, and we turn these points back under to form the point of our shares, giving you the same hardened soft center steel in the bottom of the share point there is in the top. With other manufacturers it is customary to buy share point cut square on the point and weld a piece of crucible steel on the bottom to save the expense of soft center steel which we use.



Our D-14 Advance Agent Plow as Advertised.

WALKING PLOWS FOR 1905

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 1905 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

THE BEST PLOW ON EARTH AT

FOR 1905

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 wild: There are ten steel companies making soft center steel. Two or three of them make the best 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.

TROY, MICH. 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 slough 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,

ING. M. PHILLIPS.



See Page 32 for Extra Shares when Ordered With Plows.

THIS TELLS THE TALE.

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. BOWCUTT.

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 stubble 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
12-inch, weight, 90 pounds.	Price.....	10 50
14-inch, weight, 100 pounds.	Price.....	11 00

Furnished also with Iron Gauge Shoe without extra cost.

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



ROD BREAKER—STEEL BEAM AND WITH STEEL LANDSIDE.

The best on the market. Examine it.

12-inch, with Steel Landside, Pin Cutter and Extra Share. Weight, 75 pounds.....	\$7 00
14-inch, with Steel Landside, Pin Cutter and Extra Share. Weight, 80 pounds.....	7 50
16-inch, with Steel Landside, Pin Cutter and Extra Share. Weight, 85 pounds.....	8 00



PRAIRIE BREAKER, SLIP OR BAR SHARE.

10-inch, with Rolling Cutter, Gauge Wheel and Extra Share. Weight, 125 pounds.....	\$11 00
12-inch, with Rolling Cutter, Gauge Wheel and Extra Share. Weight, 135 pounds.....	12 50
14-inch, with Rolling Cutter, Gauge Wheel and Extra Share. Weight, 150 pounds.....	13 00
16-inch, with Rolling Cutter, Gauge Wheel and Extra Share. Weight, 155 pounds.....	15 00

36 THESE PLOWS
ARE OUR OWN
MAKE, OF BEST
STEEL.
CHEAP STEEL
PLOWS WE DO
NOT MAKE.

Our Blackland Plows



We can furnish you with Sulkies, 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. Wood Beam.

WL.			Steel Beam.	Wood Beam
73 No. 7.	Cotton King, with ex. Point,	7-in. cut.	\$6.50	54 \$5.50
80 No. 8.	Cotton King, with ex. Point,	8-in. cut.	\$7.25	62 \$6.00
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 9.25

SANDY LAND SERIES *Steel Base*

WT.		Wood Beam, Wt.	Steel Beam
56	8-in., Light 1-Horse, with 1 extra Share	\$3.25	77 \$6.50
78	9-in., Light 2-Horse, with 1 extra Share.....	6.00	79 7.00
75	10-in., 2-Horse, with 1 extra Share	7.00	80 8.00
86	12-in., 2-Horse, with 1 extra Share	9.50	99 10.00

PONY PLOW FOR BLACK OR SANDY LAND.

7-lb. Cut, with one extra Share		\$4.00
7-lb. extra Shares, 7-inch	\$0.00	7-lb. extra Share, 8-inch
8-lb. extra Shares, 9-inch	.90	9-lb. extra Share, 10-inch

LIST OF A FEW REPAIRS ON OUR OWN GOODS.

NORTHERN SHARES.										Net Price.
Steel	7-in	Slip Share for Corn Flows								\$1 00
11	8	9	10	11	12	13	14	15	1 10	
12	10	11	12	13	14	15	16	17	1 20	
13	11	12	13	14	15	16	17	18	1 30	
14	12	13	14	15	16	17	18	19	1 40	
15	13	14	15	16	17	18	19	20	1 50	
16	14	15	16	17	18	19	20	21	1 60	
17	15	16	17	18	19	20	21	22	1 70	
18	16	17	18	19	20	21	22	23	1 80	
19	17	18	19	20	21	22	23	24	1 90	
20	18	19	20	21	22	23	24	25	2 00	
21	19	20	21	22	23	24	25	26	2 10	
22	20	21	22	23	24	25	26	27	2 20	
23	21	22	23	24	25	26	27	28	2 30	
24	22	23	24	25	26	27	28	29	2 40	
25	23	24	25	26	27	28	29	30	2 50	
26	24	25	26	27	28	29	30	31	2 60	
27	25	26	27	28	29	30	31	32	2 70	
28	26	27	28	29	30	31	32	33	2 80	
29	27	28	29	30	31	32	33	34	2 90	
30	28	29	30	31	32	33	34	35	3 00	
31	29	30	31	32	33	34	35	36	3 10	
32	30	31	32	33	34	35	36	37	3 20	
33	31	32	33	34	35	36	37	38	3 30	
34	32	33	34	35	36	37	38	39	3 40	
35	33	34	35	36	37	38	39	40	3 50	
36	34	35	36	37	38	39	40	41	3 60	
37	35	36	37	38	39	40	41	42	3 70	
38	36	37	38	39	40	41	42	43	3 80	
39	37	38	39	40	41	42	43	44	3 90	
40	38	39	40	41	42	43	44	45	4 00	
41	39	40	41	42	43	44	45	46	4 10	
42	40	41	42	43	44	45	46	47	4 20	
43	41	42	43	44	45	46	47	48	4 30	
44	42	43	44	45	46	47	48	49	4 40	
45	43	44	45	46	47	48	49	50	4 50	
46	44	45	46	47	48	49	50	51	4 60	
47	45	46	47	48	49	50	51	52	4 70	
48	46	47	48	49	50	51	52	53	4 80	
49	47	48	49	50	51	52	53	54	4 90	
50	48	49	50	51	52	53	54	55	5 00	
51	49	50	51	52	53	54	55	56	5 10	
52	50	51	52	53	54	55	56	57	5 20	
53	51	52	53	54	55	56	57	58	5 30	
54	52	53	54	55	56	57	58	59	5 40	
55	53	54	55	56	57	58	59	60	5 50	
56	54	55	56	57	58	59	60	61	5 60	
57	55	56	57	58	59	60	61	62	5 70	
58	56	57	58	59	60	61	62	63	5 80	
59	57	58	59	60	61	62	63	64	5 90	
60	58	59	60	61	62	63	64	65	6 00	
61	59	60	61	62	63	64	65	66	6 10	
62	60	61	62	63	64	65	66	67	6 20	
63	61	62	63	64	65	66	67	68	6 30	
64	62	63	64	65	66	67	68	69	6 40	
65	63	64	65	66	67	68	69	70	6 50	
66	64	65	66	67	68	69	70	71	6 60	
67	65	66	67	68	69	70	71	72	6 70	
68	66	67	68	69	70	71	72	73	6 80	
69	67	68	69	70	71	72	73	74	6 90	
70	68	69	70	71	72	73	74	75	7 00	
71	69	70	71	72	73	74	75	76	7 10	
72	70	71	72	73	74	75	76	77	7 20	
73	71	72	73	74	75	76	77	78	7 30	
74	72	73	74	75	76	77	78	79	7 40	
75	73	74	75	76	77	78	79	80	7 50	
76	74	75	76	77	78	79	80	81	7 60	
77	75	76	77	78	79	80	81	82	7 70	
78	76	77	78	79	80	81	82	83	7 80	
79	77	78	79	80	81	82	83	84	7 90	
80	78	79	80	81	82	83	84	85	8 00	
81	79	80	81	82	83	84	85	86	8 10	
82	80	81	82	83	84	85	86	87	8 20	
83	81	82	83	84	85	86	87	88	8 30	
84	82	83	84	85	86	87	88	89	8 40	
85	83	84	85	86	87	88	89	90	8 50	
86	84	85	86	87	88	89	90	91	8 60	
87	85	86	87	88	89	90	91	92	8 70	
88	86	87	88	89	90	91	92	93	8 80	
89	87	88	89	90	91	92	93	94	8 90	
90	88	89	90	91	92	93	94	95	9 00	
91	89	90	91	92	93	94	95	96	9 10	
92	90	91	92	93	94	95	96	97	9 20	
93	91	92	93	94	95	96	97	98	9 30	
94	92	93	94	95	96	97	98	99	9 40	
95	93	94	95	96	97	98	99	100	9 50	
96	94	95	96	97	98	99	100	101	9 60	
97	95	96	97	98	99	100	101	102	9 70	
98	96	97	98	99	100	101	102	103	9 80	
99	97	98	99	100	101	102	103	104	9 90	
100	98	99	100	101	102	103	104	105	10 00	

For Bar Shares add 75 cents extra.

Cast 12-inch Slip Shares for old ground, Chilled.....	80
" " " "	60
" " " "	75

LANDSIDES AND MISCELLANEOUS.

14	1-lach Walking and Solky Plow Landside	1 15
14	" " "	1 15
18	" " "	1 20
18	" " "	1 20
19	" " "	1 20
19	" " "	1 20
19	Straight Cutter	1 50
19	Gauge Wheel	75
19	Handles, per pair	40
19	One-Horse Beam	40
19	Two-Horse Beam	60
19	Three-Horse Patent Evert.	2 35

LISTER REPAIRS.

No. 504.	First Style Mouldboard (right or left).....	\$3 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 20 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 express or by inquiry of our agents.

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:

52-inch	Wheels with boxes, as used on our Sulkeys, takes 1 1/2-in. axle, length of hub, 5 1/2 in.	Price, \$1.25
52-inch	Wheels with boxes for Walking Cultivators, takes 1 1/2-in. axle, length of hub, 5 1/2 in.	\$1.50
54-inch	Wheels for Sulkeys and Gangs takes 1 1/2-in. axle, length of hub, 5 1/2 in.	\$2.25
54-inch	Wheels for Sulkeys and Carts, takes 1 1/2-in. axle, length of hub, 5 1/2 in.	\$2.50
54-inch	Wheels for Riding Cultivators, takes 1 1/2-in. axle, length of hub, 5 1/2 in.	\$2.50
54-inch	Wheels for Hay Rakes, takes 1 1/2-in. axle, length of hub, 5 1/2 in.	\$2.50

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



No. 3. 10-Inch Agri. Wrench, weight, 30 lbs., postage to mail, 80c.	Price.....	15c
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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 shares sharp. Always file on top. NEVER the bottom. 14-inch Flow 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., pos-

No. 2. Monkey Wrench, weight, 12 oz., postage to mail, 12c. Price..... 10c

No. 2. Monkey Wrench, weight, 23 oz., postage to mail, 25c. Price..... 15c

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you order a plow and save any expense of mail

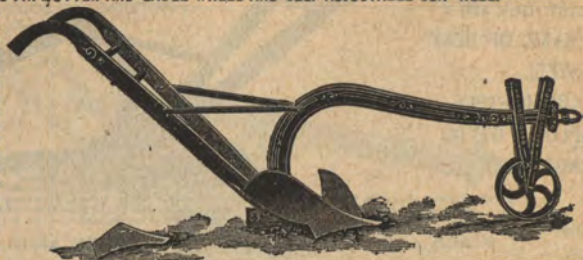
ills. By use of a file you can keep your shares sharp.

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 Ex. Share.		
				Steel Beam.	Ex. Pt.	Ex. L. &.
Pony Plow, Steel Beam with one extra share, 7 inch cut.	Weight, 60 lbs.			\$3 75	22 cents.	15 cents.
A. O. Plow, " " " 8 "	" 65 "			4 00	32 "	17 "
B. O. Plow, " " " 9 "	" 70 "			4 75	41 "	18 "
C. O. Plow, " " " 10 "	" 87 "			5 50	50 "	21 "
D. O. Plow, " " " 11 "	" 92 "			6 50	60 "	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 Pt.	Extra L. &.
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	65 lbs.	5 00	50 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, 12 in. long, wt. 30 lbs.	1 75
No. 2, Steel Beam, single shovels, blade 12 in. wide, 12 in. long, wt. 32 lbs.	1 50
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 50
Add for wings on steel or wood beam, single shovels, per set	50

Price-List of 5-Tooth Cultivators and Attachments: 39

	Shipping Weight.	Price
No. 10. Plain Cultivator.....	70 lbs	\$2 75
No. 20. " with Lever.....	75 "	3 25
14-Tooth Harrow Plain.....		2 90
14-Tooth Harrow with Lever.....		3 20
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. 40. Combined Cultivator, weight 64 lbs.....		5 30
No. 60. Cultivator with Sweeps, weight 85 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, 90 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 25

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.



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

No. 10. Plain Cultivator, weight 70 lbs.....\$2.75



No. 90. 9-TOOTH HARROW.....Lbs., \$3 65

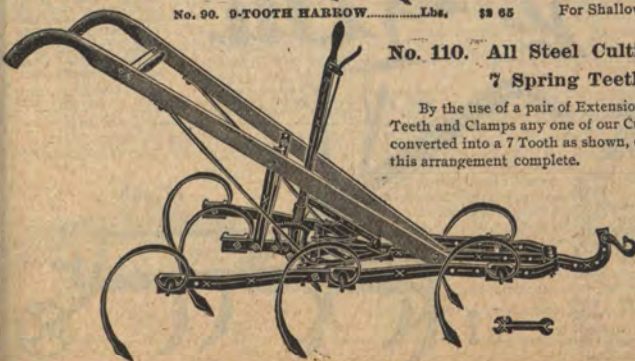


No. 7. Cultivator Sweep,
For Shallow Cultivation.

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. 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.



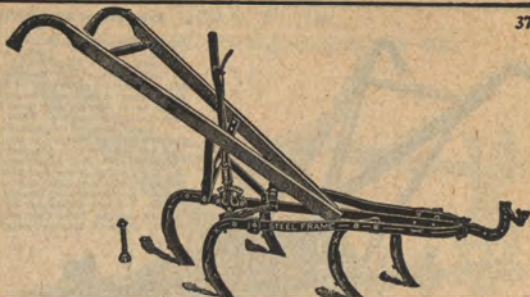
No. 110. SPRING TOOTH CULTIVATOR.....Lbs., \$4.00

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.



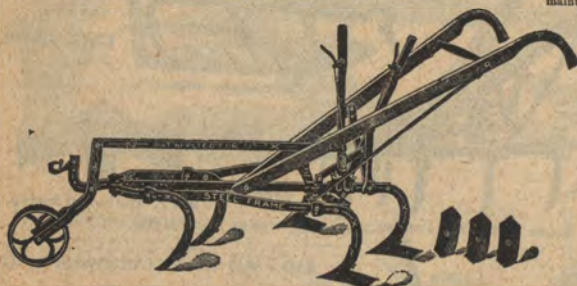
We especially recommend this Fig. 4 Cultivator, as with these Attachments the tool may be used for cultivating almost any crop.

No. 60. ALL STEEL CULTIVATOR.

Arranged For Shallow
Cultivation.

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

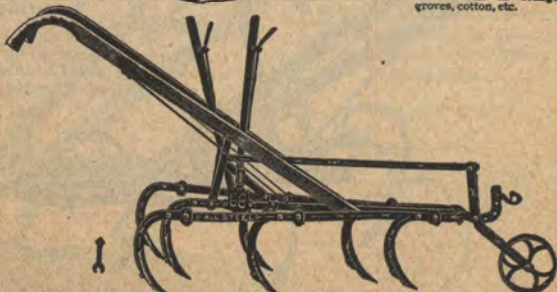
This is the same Cultivator as No. 20, except it is fitted with Lever Wheel, Outside Handle Braces & No. 7 Cultivator Sweeps. These Sweeps can be used on our Fig. 4. This tool is especially adapted to the cultivation of corn, the sweeps taking off the hard crust and yet not cutting deep enough to injure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



DONOGOLA, 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 extend it a favor if you will send me contracts.

F. D. FERRY.

"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.

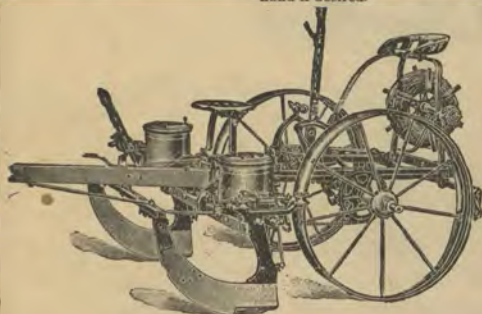
We ship this planter with check rower wire, with the knots 3 ft. 8 in. apart, unless otherwise ordered.

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.

THE NEW

HAPGOOD PLANTER



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.

DROP 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



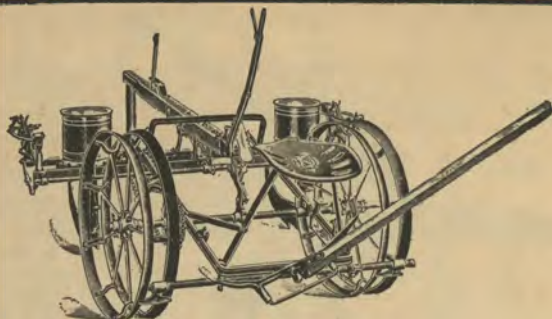
eight inches from each side of the corn row, leaving a smooth, even surface for the cultivator to do its work in. The Gauge allows no dirt on the corn except what comes under the Gauge, this being all pulverized before the Hoe gets to it to cover the corn.

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.



In presenting to our customers and patrons a Corn Planter for 1905, 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 1905. A long steel 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 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 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 simply fastening back the forks. You do not have to make any other change, but you have the simplest Drill Planter made.

There are three sizes of seed plates for long, medium and short grains. Each 10 hole plates. The sprocket chain driven from axle to small sprocket wheel on drill shaft drops three grains to the hill or drills 1 grain every 14 inches apart; chain runs on large sprocket wheel on drill shaft, drops 2 and 3 grains to a hill, or drills about 16 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 cross-ways than the way the Planter runs.

The stroke is so short and sensitive that the valve D. M. deposits at once the corn in the ground. It matters not how you drive, your corn will be checked straight, for the valve holds one hill ahead close to the ground.

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, 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. If Open Wheels are Wanted, Add 50c. Additional plates may be had at 50c 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. 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.

ALL GRADES OF BUGGIES will be made in various styles of tops and various qualities of trimmings, etc., and in 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 welt wadded stays, pocket on inside of quarters, leather valance, front and back stitched on, deep tazy 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 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 freight. 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 you 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, **2 PER CENT. DISCOUNT WILL BE ALLOWED TO PARTIES WHO SEND CASH WITH THE ORDER.** (unless otherwise stated under the cut). This saves us book-keeping 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 CARBLAGE 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. See Page 44 for copy of same.

The cuts in this Catalogue are true to life. Exact photographs of the Vehicles, but it is impossible to do them justice in a plain black cut, and we want you to send for our Special Vehicle Catalogue, in which we show a number of Vehicles printed in colors, giving you a splendid idea of just what the goods are.

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.

SEND FOR OUR BIG SPECIAL BUGGY CATALOGUE, IN COLORS.

Yours for business,

HAPGOOD PLOW CO.

GENERAL DESCRIPTION OF BUGGIES.

The following is a general description, giving you the different sizes of bodies and wheels which go with nearly all buggies. Detailed description of each Buggy will be found under the cut.

WHEELS—This is the most important item on any buggy, and here is where we pride ourselves and sustain our reputation, using only the best of **selected hickory**, **Sarven patent wheels**, **16 Spokes**, something rarely found in B Grade buggies, (which are more often C and D Grade in which ash, oak and elm wheels are used). They will be made in $\frac{3}{4}$, $\frac{1}{2}$ or 1-inch tread, bolted between each spoke. The general size used is $\frac{3}{4}$ tread except on buggies with 19 and 20 inch bodies, when a $\frac{1}{2}$ wheel looks very nice. In rough sections we advise an inch wheel. $\frac{3}{4}$ wheels furnished in either 36 and 40, 38 and 42, or 40 and 44 inches high. Inch wheels are made only 40 and 44 inches high. $\frac{3}{4}$ -inch wheels are made 36 and 40 inches high. We use $\frac{3}{4}$ -inch Round Edge Bessemer Steel Tires.

GEARS—Next to the wheels the Gear is the most important item. We absolutely guarantee our gears to be **selected second growth hickory**, no elm, oak, or other white wood used, and all hand cut scrolls.

TIRES—One-quarter inch thick, round edge and best Bessemer steel. **AXLES**— $\frac{3}{4}$ or 1 inch same price, and here is where we again excel—absolutely guaranteed to be one piece, inch square and no weld in the center to break or give down, and is far superior to the old style welded in the center, finest tempered steel and double collars. Springs are of pure steel, graded and oil tempered, the best we know of on the market. The End or Elliptic Spring is the most universally liked and with our Ideal Spring Cross Bar nearly reaches the acme of perfection for easy riding. There are a number of patent springs on the market of more or less doubtful value, but we recommend the Elliptic or End Spring as the best on earth. Clips and Bolts all Norway iron. No malleable used.

Our 5th Wheel is shown on the following page and will be readily recognized as the Celebrated Dayton Fifth Wheel, the best there is made. The Kingbolt is in rear of axle. The seat is full width for two persons. The sides of all seats are padded where wing cushions are not used.

BODIES—We use nothing but thoroughly seasoned, screwed and plugged yellow poplar bodies, with ash sills, 55 inches long, giving plenty room and insuring ease and comfort. Regular width is 24 inches, but we can furnish them 18 or 20 inches on $\frac{3}{4}$ jobs or 22 inches for regular if desired. Can furnish either with Piano or Corning body at the same price. Body loops full length, best of wrought steel and Japanned, no malleable iron used.

TOPS—Three or four bows handy top, all made in the latest style and lined throughout. The different grades of tops are described on the preceding page. The valance is stitched and hand sewed, no metal used, the trimmings of the latest style, which you will see from cuts of seats on opposite page, very easy riders. Our cushions are made either with high wings or if specified in the order we pad the seat risers and leave off the wings; nothing but solid panel spring backs used, no old style open backs or flat drop backs.

PAINTING—Here is where we excel, and we pride ourselves on the quality of our goods used and the finish, and we know that our success in finishing our goods is because we use the old system of lead and oil. There are no patent dipping arrangements in our factory.

There is an endless variety of colors in buggies this season; we can give you anything you want, a red, white and blue, pink, mahogany, sky blue, or any of the fantastic styles now in vogue, some of which we imagine must have been conceived while some painter had the Delirium Tremens. We recommend a rich

black with a neat ornament on the side and light stripes across the body. We can furnish the Gears in Brewster Green or Carmine, both of which are pretty. You tell us what you want, and we will do the rest.

SHAFTS and POLES—Best hickory, well finished, painted and trimmed. All our buggies are priced with shafts, boot, storm apron, anti-rattler, whip socket (poles extra, see below). Long Distance Axle furnished on all our buggies without extra charge. All buggies will be sent with the Piano Body unless the Corning Body is distinctly mentioned.

Below we show a small illustration of our Guaranty, containing our Name and Seal which we send to every purchaser of one of our Vehicles.

WARRANTY

SECURED BY
CASH CAPITAL.



ON BUGGY.

\$200,000.00

HAPGOOD PLOW CO.

ALTON, ILL.

Does Keroby Certify That I Am a Genuine Hapgood

This Warranty is given for the purpose of insuring the purchaser of a Hapgood Buggy from all defects in material or workmanship, and to bind the Hapgood Plover Co. to make good any such defects. It is not to be construed as a guarantee of the quality of the buggy, or as a warranty of the value of the same. It is only a statement of the fact that the Hapgood Plover Co. is a responsible corporation, and that it is bound to make good any defects in its products.

The Hapgood Plover Co. is a corporation organized under the laws of the State of Illinois, and has a capital stock of \$200,000.00. It is a responsible corporation, and is bound to make good any defects in its products.

This Warranty is given for the purpose of insuring the purchaser of a Hapgood Buggy from all defects in material or workmanship, and to bind the Hapgood Plover Co. to make good any such defects. It is not to be construed as a guarantee of the quality of the buggy, or as a warranty of the value of the same. It is only a statement of the fact that the Hapgood Plover Co. is a responsible corporation, and that it is bound to make good any defects in its products.

HAPGOOD PLOW COMPANY



PLAITED PATTERN BACK.

This is the regular style generally used.

If no preference is expressed in the order, we will send whichever is in stock and can be shipped most promptly.

DO not purchase a Vehicle until you have seen our **Large Special Vehicle Catalogue**. A large number of the Vehicles are shown in colors. We believe it is the most complete and satisfactory Catalogue you ever saw, and from it you can purchase a Vehicle with more satisfaction than if you saw the original article in a sample room, for the reason that our description tells you just what you are getting. You cannot tell by looking at the article itself.

The few Vehicles we show in this Catalogue are simply to call your attention to this line of goods, and we trust you will give us the pleasure of sending you one of our Buggy Catalogues if you are interested in anything in this line.

The different Buggies show the different styles of back, but this cut shows the regular plaited or biscuit pattern generally used, but we can furnish any style of back.

SEND FOR SPECIAL BUGGY CATALOGUE.

IMPROVED LONG-DISTANCE SELF-LUBRICATING AXLE.



We call your particular attention to our Improved Long-Distance Axle, with dust proof Collinge Collar. Will run a greater distance with one oiling than any other axle on the market. Dirt and dust proof. Does away with all of the annoyance which was so common with the old felt pad pattern axle.

This axle is furnished on all Road Wagons, Buggies and Surreys for \$1.00 additional to price of each vehicle.

Rubber Tires can be put on any of our Buggies in place of the Steel Tires at the additional price shown on Page 46, under the head of **EXTRAS**.



DAYTON FIFTH WHEEL.

Our Ideal Spring Cross Bar put on any of our Buggies, as stated in Catalogue. Easy Riding and Durable.

See Page 46 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.

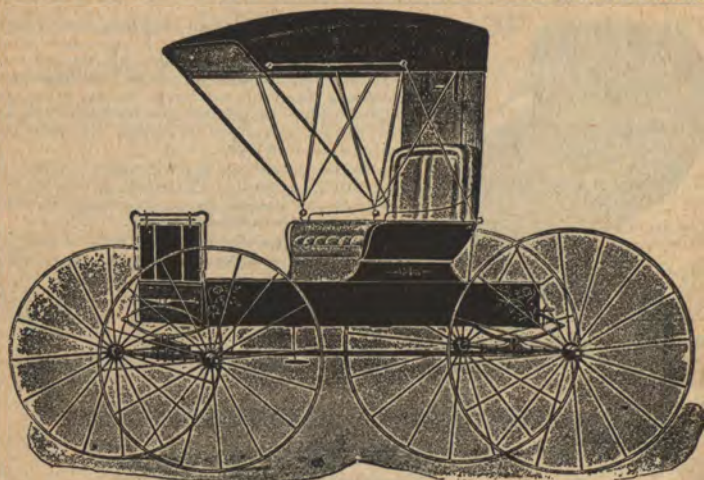
Second—Sign your name and give your postoffice and state. We have numbers of communications without these which we are unable to give attention, and if you have ever written us and received no reply, possibly this will account for it.

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 46. 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 46.

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 1905.

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 described on preceding pages. The finish is a rich black with very slight ornamentation. The general specifications—Axle, Body, Gear, Spring, etc.—will be found on Page 44. Has Solid Panel Spring Back and open Bottom Sanitary 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 Split 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. 100. Full Rubber Top	Ship. Wt., 400 lbs.,	\$33.50
No. 101. Leather Quarter Top	" " 400 "	36 00
No. 102. Full Leather Top	" " 400 "	39 75

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 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.

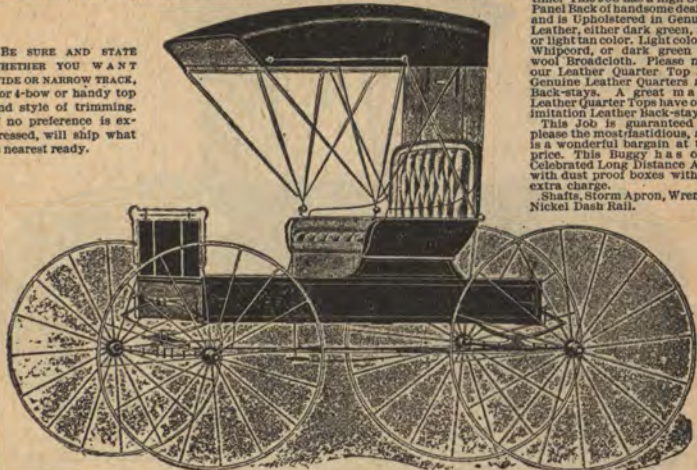
EXTRAS.

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, on Buggy	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	1.00	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 1¼ 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
1¼ in. Wheel and 5-16 in. Tire over 1½ in. Wheel on Spring Wagons	1.00	Silver Hub Bands	35
1¼ in. Axle and 1½ in. Wheel in place of 1¼ in. Axle and 1½ in. Wheel on Spring Wagons	2.50	Rubber Tire on Buggies extra—Goodyear—	
		¾-inch, 36-40	12.50
		¾-inch, 40-44	13.00
		¾-inch, 39-43	14.00
		1-inch, 40-44	15.00

This cut shows a Jet Black Body, with fine line Striping. This Buggy takes the place of our No. 600 of last year, of which we sold more than any other single Buggy ever sold on the market in the same length of time. This Job has a high Solid Panel Back of handsome design, and is Upholstered in Genuine Leather, either dark green, red or light tan color. Light colored Whipcord, or dark green all wool Broadcloth. Please note our Leather Quarter Top has Genuine Leather Quarters and Back-stays. A great many Leather Quarter Tops have only imitation Leather Back-stays. This Job is guaranteed to please the most fastidious, and is a wonderful bargain at this price. This Buggy has our Celebrated Long Distance Axle with dust proof boxes without extra charge. Shafts, Storm Apron, Wrench, Nickel Dash Rail.

47

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 43 and 44.

No. 103. Leather Quarter Top, genuine leather, cloth or plush cushions and back. Shipping Weight, 400 lbs \$42 50

No. 104. Full Leather Top, 45 00

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

No. 105. Full Rubber Top, Cushions, etc. \$39 75

CASH WITH ORDER. NO DISCOUNT. Satisfaction guaranteed or money refunded.

SWELL BUGGY.

This shows our "Swell" Buggy, extra high back, latest style trimming. Gotten up in nice shape. General description the same as on pages 43 and 44. Please note we use nothing but the best Wheels, Axles and Body.

This Buggy shows the Celebrated Bailey Body Loop, of Steel not Malleable, 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, Whipcord 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 46, not otherwise included with this Buggy, can be furnished at an additional price.

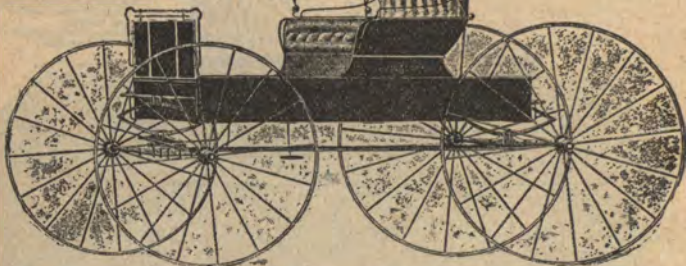
No. 106-S. SWELL BUGGY, with Leather Quarter Top, Genuine Leather, Broadcloth or Plush Trimming. Shipping Weight, 425 lbs \$44 00

No. 107-S. SWELL BUGGY, with Full Leather Top, Genuine Leather, Cloth or Plush Trimming. Shipping Weight, 425 lbs 47 75

No. 108-S. SWELL BUGGY, with Rubber Top 41 50

This is too good a Buggy, however, to put a Rubber Top on. Long Distance Axle with Dust-Proof Boxes, Curved Top Joints, Handsomely Trimmed. 2 PER CENT DISCOUNT FROM THESE PRICES FOR CASH WITH THE ORDER.

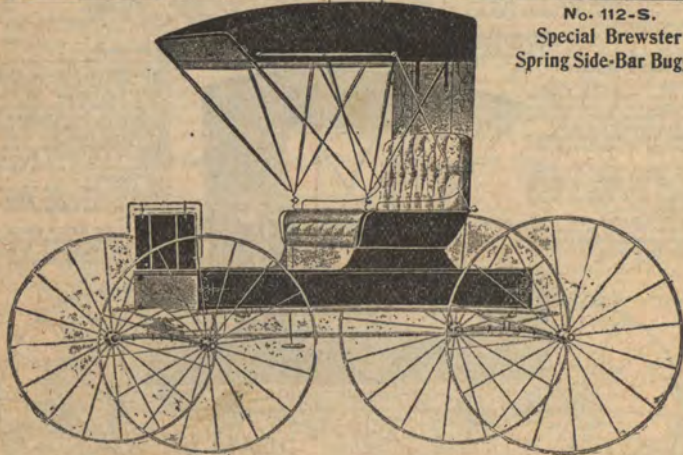
This is one of the best medium priced buggies. In fact, we do not know where it can be duplicated at this price. A very handsome appearing job, Solid Panel Spring Back, Open Bottom Sanitary Spring Cushion. Complete with Shafts, Storm Apron, Wrench, Double Line Nickel Dash Rail. Note our extremely low prices. It is a Bargain.



- No. 109. With Leather Quarter Top. Shipping Weight, 400 lbs. \$37 50
 No. 110. With Full Leather Top. " 400 " 40 25
 No. 111. With Full Rubber Top, Im. Leather Cushions and Back. Ship. Wt., 400 lbs. 35 00

Prices Strictly Cash with the Order. No Discount of Any Kind.

No. 112-S.
Special Brewster
Spring Side-Bar Buggy



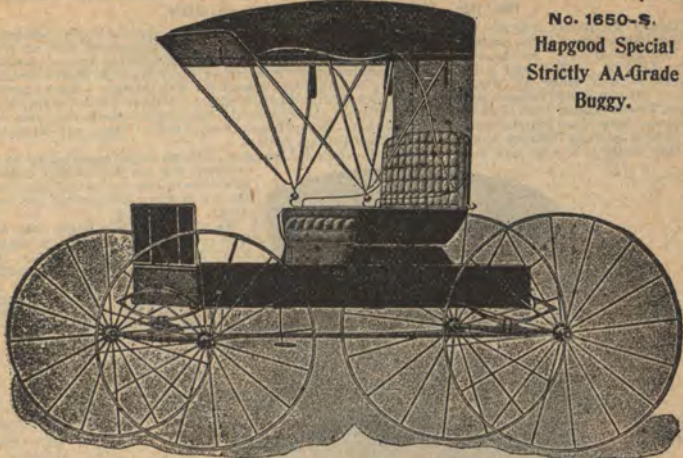
This is a Buggy that pleases a great many of our friends. It is handsomely proportioned, and is High Back, Nickel Dash Rail, the Celebrated Brewster Side Bar and 4-Bow Top, Solid Panel Spring Back and Open Bottom Sanitary Spring Cushion. Nickel Dash Rail. Body handsomely striped and painted. You can have your choice of size and height of wheels, body, etc. At our price this is a rare bargain.

- No. 112-S. Full Leather Top, Genuine Leather, Broadcloth or Fancy Plush Cushions and Back. Shipping Weight, 400 lbs. \$44 00
 No. 113-S. Leather Quarter Top, Leather, Broadcloth or Plush Cushions and Back. Shipping Weight, 400 lbs. 41 00
 No. 114-S. Rubber Top, Imitation Leather Cushions and Back. Shipping Weight, 400 lbs. 37 50

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

We can furnish Handy Top on any of our Buggies without extra charge. See Page 46 for Price List of Extras, if there is anything further wanted.

No. 1650-S.
Hapgood Special
Strictly AA-Grade
Buggy.



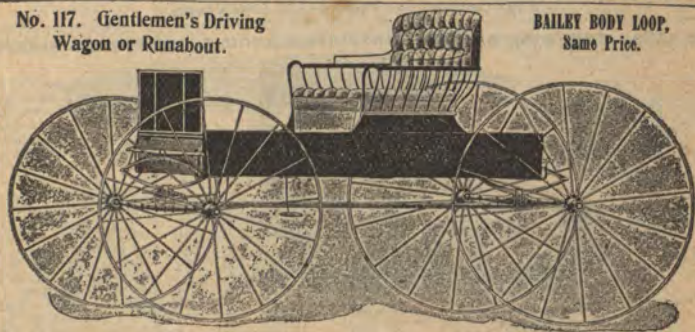
This Buggy has been gotten up for the best trade. Parties who want the best regardless of cost are willing to pay for it. A much better buggy than is usually sold, as you will see from the following description: Easily retailed at from \$90 to \$100. Absolutely no pains are spared in this Buggy. Nothing but the best grades of No. 1 Buffed Leather used in this job. **Leather Covered Bow Sockets, Leather Covered Prop Nuts, Leather Covered Hand Holds, Our Celebrated Long Distance Dust-Proof Axles with Collingie Collar; High Grade Open Head Springs, Dayton Fifth Wheel with King Bolt in Rear. Patent Bailey Loop; Best Wrought steel (not malleable), Genuine Leather Boot, Quick Shifting Shaft Coupler, Rubber Padded Steps, Full Length Velvet Carpet, Patent Leather Dash, High Panel Solid Spring Back Seat, very handsome; Open Bottom Sanitary Spring Cushions, stuffed with High Grade Curled Hair. No. 1 Buffed Machine trimmed, or 16-ounce all-wool heavy Broadcloth of an extra quality, if preferred. Strictly AA-Grade Second Growth Hickory Wheels, guaranteed throughout. 14 coats of paint on the Body, 7 on the Running Gear; Body finished inside. Nothing but the best of oil paints used. Notwithstanding all this expense, we are offering this Hundred Dollar Buggy at the extremely ridiculous price below. We wish to see if there is a demand for a high grade Buggy at a low price.**

No. 1670-S. With Leather Quarter Top, as described above.	Shipping Weight, 435 lbs.....	\$65.00	Net Cash.
No. 1650-S. Full Leather Top as described above.	Shipping Weight, 435 lbs.....	68.50	\$83.70
			67.00

Not Made in any Cheap Grades or Cheap Tops, but Every Buggy Absolutely as Described Above.

No. 117. Gentlemen's Driving
Wagon or Runabout.

BAILEY BODY LOOP,
Same Price.



OUR GENTLEMEN'S DRIVING WAGON is a strictly first-class job. Has a stylish attractive Stick Seat, upholstered in Genuine Leather (either Dark Green, Red, or Light Tan Color), or Whipcord. Red Leather makes a very attractive Trimming. Has Open Bottom Sanitary Spring Cushion, carefully selected Hickory Wheels, Long Distance Axle, with Dust-Proof Boxes. Has Body Loops running the entire length of the Body. Best Oil Tempered Elliptic Pattern Spring; the Famous Dayton Pattern Fifth Wheel with King Bolt in rear. Has 12 coats of Body Paint, six on the Running Gear, a deep rich Black, either with or without striping. The Running Gear either Light Red, Dark Red, or Brewster Green, neatly striped. At Our Low Price This is a Bargain. We can furnish this in a Brewster Side Bar, or with Bailey Body Loop without extra charge. Do not confuse this Driving Wagon with the cheap affairs now offered on the market at \$2 or \$3 less than our price, which have only eight coats of paint, four on the gears, imitation trimmings, C-Grade Wheels and something that no gentleman would use. If you want a scrub vehicle, buy the other. If you are a gentleman and want a nice vehicle, then send us your order.

No. 117. Runabout, with Genuine Leather, Broadcloth or Whipcord Trimmings,		
Shipping Weight, 400 lbs.	Net Cash, No Discount	\$35 00
No. 118. Runabout, same as above, with Goodyear Rubber Tires, 3 1/2 inch		45 00
No. 119. " " " " " " " " " " " "		47 50

No. 119. STRICTLY A-GRADE BUGGY.

This is our Strictly A-Grade Buggy, a new Buggy for 1903. Strictly No. 1 Machine Buffed Leather in the Quarters and Back-stays, a heavy Rubber Roof and Back Curtain. All lined throughout with all Wool Top Lining, a very high and handsomely trimmed Solid Panel Spring Back, with Open Bottom Sanitary Spring Cushion, stuffed with a high grade of curled hair. Trimmed in No. 1 Machine Buffed Genuine Leather, or 16-oz. Heavy all Wool Broad-Cloth. Strictly first-class all the way through. Second growth Hickory Wheels, bolted between each spoke. Quick shifting Shaft Couplers. Rubber Padded Steps, High Curved Patent Leather Dash, Full Length Velvet Carpet. Leather hand holds, Leather covered top nuts; the Celebrated Open Head Pattern Spring, Oil Tempered. Bailey Patent Body Loop of Steel, not Malleable. The Celebrated Long Distance Axle, with Dust Proof Collinge Collars.

This Buggy is so near like No. —, you could not tell them apart, even an expert could hardly do so,

except it has not the Leather covered Bow-sockets, has one coat of paint less, and a very slight difference in the trimming.

We can furnish this Buggy with any style of striping without extra charge. Nickel Dash Rail cannot be put on this style of Dash. Can substitute another Dash and Rail if preferred.

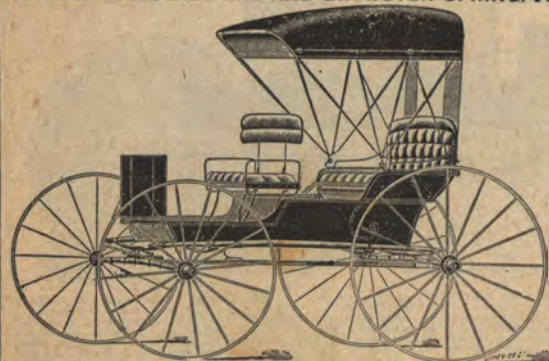
We do not hesitate to place this Buggy in competition and for comparison with any Buggy on the Market to-day at from \$10 to \$25 more than this price.



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

No. 119. Special A-Grade Buggy, Leather Quarter Top, Shipping Weight, 435 lbs,	\$62 50 net cash.	\$61 00
No. 120. Special A-Grade Buggy, Full Leather Top	65 50	64 00

2 Per Cent Off These Prices For Cash With Order.

No. 1470. TOP, SIDE-BAR AND BREWSTER-SPRING, JUMP-SEAT BUGGY.

The front seat folds down, and the hind seat moves forward over the front seat. This vehicle has 1 1/2-inch Fantailed Double-collar Steel Axles, Arched, 1 1/2-inch Brewster Springs, 1-inch Patent Wheels, 38 and 42 or 40 and 44 inches high. Body: large, strong, well made and ironed. For two or four persons. Large, Four-bow Top, made of Drill, Rubber or Leather, according to grade and price. Made in all grades. We add 1 1/2-inch Wheels for country customers, extra \$4.00. Priced with Shafts. (Pole costs extra.)

"A" Grade. Full Leather Top and Trimmings	\$81 00
"B" Grade. Leather-quarter Top, Back Curtain Cloth Lined, Head-lining Corded, Box-spring Cushion of Body Cloth Leather, Panel Spring Back, Patent Fasteners, LONG DISTANCE Self-oiling Axles, "Easy" Quick-shifting Shaft Couplings, Screwed Rim Wheels, Silver Dash Rail and Bands, Apron, Shafts with 34-in. Point Leathers and Four Extra Braces, 12-months Warrant	68 50
"C" Grade. (Not warranted.) Rubber Top, TANT LEATHER Trimmings	45 79

F. O. B. Factory, near Cincinnati, Ohio. Net cash, no discounts.

No. 130. Piano Body.
No. 131. Corning Body.
\$70.00

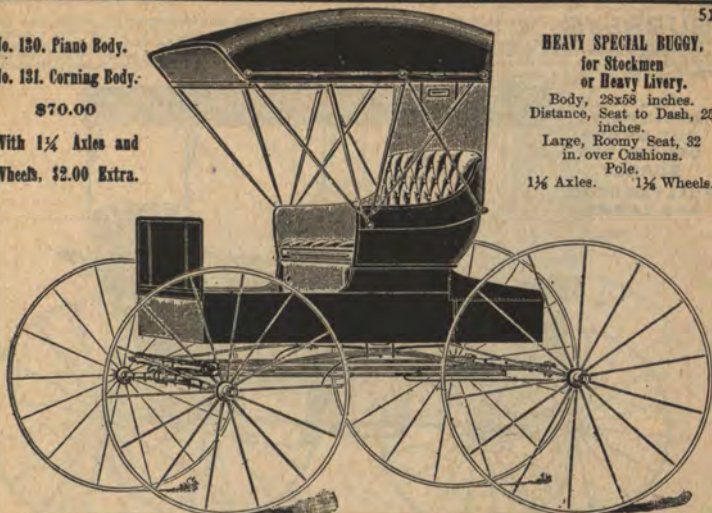
With $1\frac{1}{4}$ Axles and
Wheels, \$2.00 Extra.

HEAVY SPECIAL BUGGY, for Stockmen or Heavy Livery.

Body, 28x58 inches.
Distance, Seat to Dash, 25
inches.

Large, Roomy Seat, 32
in. over Cushions.
Pole.

$1\frac{1}{4}$ Axles. $1\frac{1}{4}$ Wheels.



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— $1\frac{1}{4}$ -inch, Round Edge Steel Tire, bolted between every Spoke, 40 inches and 44 inches high. Axles— $1\frac{1}{4}$ inch, long distance, Sand Proof. Collinge Collar, warranted. Springs— $1\frac{1}{4}$ -inch, Six Leaf, Oil Tempered. Gears—Full Circle, Heavy Fifth Wheel. Steel Plate on bottom of Reaches, Heavy Wrought Equalizers on Front and Rear. Body, Black. Seat Panels, Green. Gears, Brewster Green or New York Red. Trimmed in Deep Buffed Leather, or Heavy All-Wool Green or Blue Cloth. Full Solid Panel Spring Back. Rubber Strap Boot. Storm Apron. Heavy Leather Dash and Steel Bow-Sock, etc. Leather Quarter Top with 25-oz. Rubber Roof, and Back Curtain. All-Wool Head Lining. A No. 1 job in every respect, made only for the best trade.

Do not confuse this special Rig with the heavy Concord Buggies offered at about \$50. They are not the same thing.
No. 132. A similarly made buggy, a little lighter, with Shafts, Lower Panels, seat 15x33 $\frac{1}{2}$, Piano Box Body only.....\$62.50
For Heavy Livery, see Special Catalogue.

NO. 260-N. EXTENSION TOP PHAETON, SHOWING 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 middlemen at from \$100 to \$115 in this State.

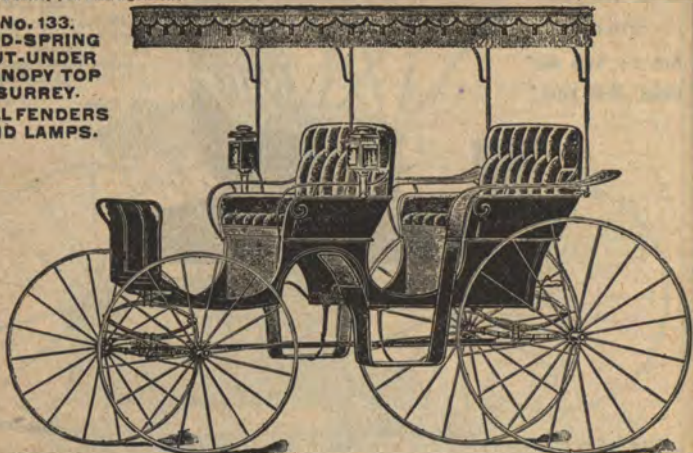


General description as follows: 15-16 Long Distance Axle with Collinge Bell Collars; Rear King Bolt; Fifth Wheel; 36-inch Oil Tempered Springs; Large Roomy Body, and Seat with Padded Seat Ends; High Spring Back and Soft Spring Cushion; Patent Leather Dash, also Wing Dash if preferred; Fancy Oil Burning Lamps; Upholstered in 16-oz. All-Wool Green or Blue Waterloo cloth, or genuine Leather Trimming; Leather Quarter Top and Back Stays; Wool Head Lining in Roof, Back Curtain and Back Stays; Full Leather Trimming; Hickory Shafts.

No. 260-N. Phaeton, with Leather Quarter Extension Top and Regular Dash, Shipping Weight, 450 lbs., \$70.50
No. 261-N. Phaeton with Full Leather Top..... " " 450 " 73.50
No. 262-N. Phaeton with Full Rubber 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. Wing Dash, \$1.00 extra.
2 Per Cent Discount for Cash with Order.

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. 133.
END-SPRING
CUT-UNDER
CANOPY TOP
SURREY.
FULL FENDERS
AND LAMPS.**



Axles, Celebrated Long Distance Pattern, Solid Steel, Dust Proof Boxed. Gears of the best Selected Hickory, Bone Dry and every part thoroughly inspected. Painting is very handsome; Body, Deep Rich Black; Running Gears, Brewster Green or Red. We wish you could see a colored cut of this showing its handsome appearance. Upholstered in Genuine Leather or 16-oz. Broadcloth; Solid Panel Spring Back; Open Bottom Sanitary Spring Cushion; Oil Burning Lamps, with Full Sweep Patent Leather Fenders. Wheels carefully selected Hickory, fully warranted one inch tire, with 1/4-inch round edge Steel Tire. Front Wheels, 36 inches; Rear Wheels, 44 inches. Heavy 1 1/4 in. Five Leaf Springs, Oil-Tempered; Cut-Under Body has Steel Rocker Plates. Complete with Storm Apron, Wrench, Anti-Rattlers and Shafts.

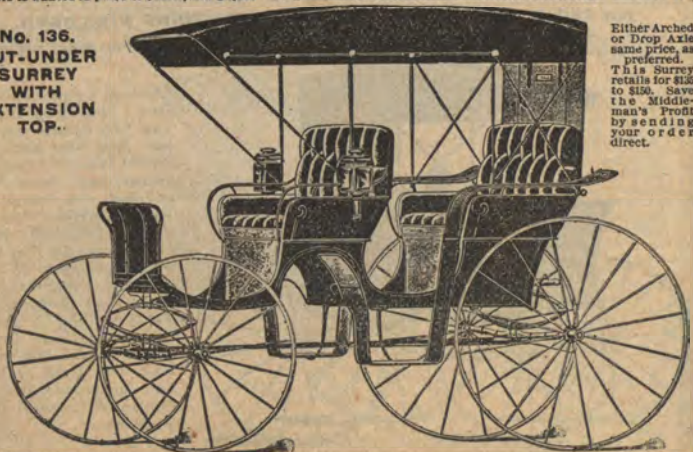
No. 133. Deep Buried, Leather Quarter Extension Top Surrey. Shipping Weight, 700 lbs. \$85 00

No. 134. Deep Buried, Full Leather Top, Rubber Side Curtains, Extension Top Surrey. Shipping Weight, 700 lbs. \$9 50

No. 135. Genuine Full Rubber Top. Shipping Weight, 700 lbs. \$7 50

If Pole is wanted in place of Shafts, add \$2.00. TWO PER CENT. DISCOUNT FOR CASH. NO OTHER DISCOUNT.

**No. 136.
CUT-UNDER
SURREY
WITH
EXTENSION
TOP.**



Either Arched or Drop Axle same price, as preferred. This Surrey retails for \$125 to \$150. Save the Middleman's Profit by sending your order direct.

This is the same Surrey as shown above, No. 136, 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.

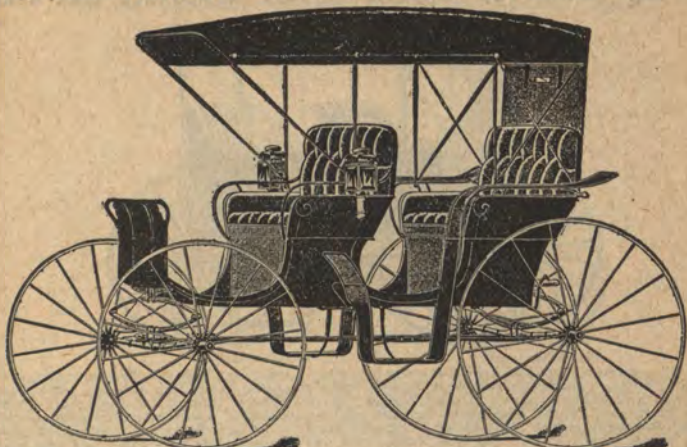
No. 136. Leather Quarter Extension Top, Cut-Under Surrey. Shipping Weight, 700 lbs. \$91 00

No. 137. Full Leather Top, Rubber Curtains, Cut-Under Surrey. Shipping Weight, 700 lbs. \$6 50

No. 138. Full Rubber Top, Cut-Under Surrey. Shipping Weight, 700 lbs. \$7 50

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

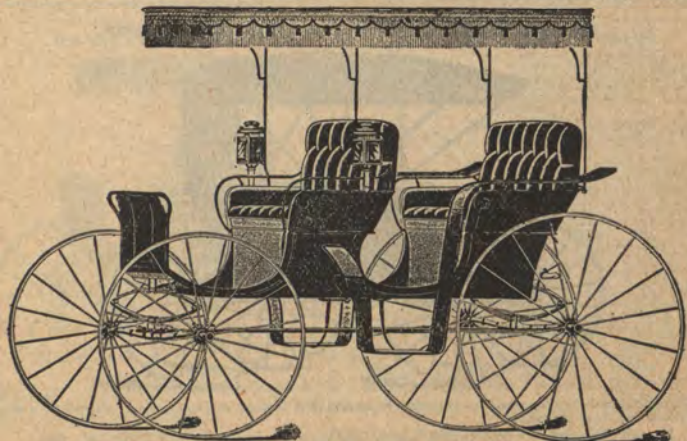
FULL FENDERS AND HANDSOME LAMP AND POLE.



This is the same Surrey as No. 136, with the Extension Top. It has the Straight Sill Body, instead of the Cut-Under in all other respects it is identically the same. 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:

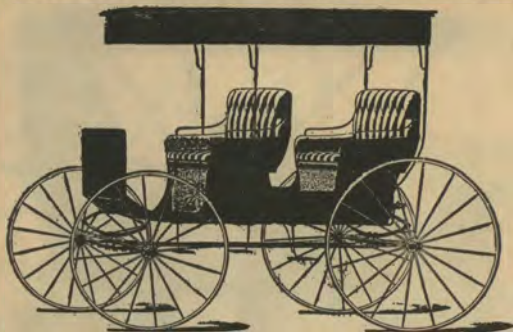
No. 139. Extension Top, End Spring, Straight Body Surrey, Genuine Leather Trimmed, Strictly A-Grade, Leather Quarter Top, with Pole. Shipping Weight, 700 lbs. \$82 50
 No. 140. Extension Full Leather Top, Rubber Side Curtains. Shipping Weight, 700 lbs. 87 00
 No. 141. Extension Full Rubber Top, with Pole. Shipping Weight, 700 lbs. 77 50
 If Jockey Fenders are wanted in place of Full Fenders, deduct \$1.75. If 1 1/2-inch Axles are wanted for heavy work and rough usage, add \$1.50 extra. 2 per cent Discount for Cash with Order. Deduct for Cloth Trimmings, \$1.50.

No. 142. STRAIGHT SILL CANOPY TOP SURREY.



This is the same Surrey as the one above, except it has Canopy Top; has a wide Seat, High Spring Backs, Spring Cushions, Padded Seat Ends, Heavy Full Leather Rocker Plates, Full Fenders, Leather Dash, large Oil Burning Lamps, Long Distance Axle, best Hickory Gears and Axles, full Bolted Oval Edge Steel Tires, Brewster Green or Red Gears, handsomely striped and finished. Be sure and state whether you want Wide or Narrow Track.

No. 142. Canopy Top, with Lamps and Full Fenders. Shipping Weight, 650 lbs. \$77 50
 2 per cent Discount for Cash with Order.

NO. 143. CANOPY TOP. FARMERS' SURREY. REMOVABLE REAR SEAT.

This is a splendid practical Vehicle at a very low price. Large roomy Body, Steel rocker plates, and is built for service. Full length body loops; 1½-inch double collar steel Axles; Rear King Bolt; fifth Wheel. The best of oil tempered full sweep 1½-inch Springs. WHEELS Selected Hickory, full bolted oval edge steel tire; Handsomely Painted, Body Black—decorated and elegantly striped. GEARS a beautiful shade of Green, or rich Red, neatly striped. Upholstered in splendid quality of Green or Blue Cloth, or Genuine Leather; Full Length Carpet; Canopy Top, with Rubber Deck and Curtains, Cloth head lining, and deep fringe. Strictly first class Hickory Shafts, well finished. Plenty of room under the seats for packages. Strong and well made, and should have a large sale. It is both stylish, strong and serviceable.

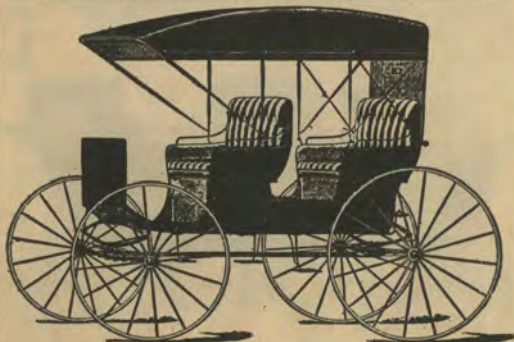
No. 143. Canopy Top Surrey as above, trimmed in cloth, shipping weight 550 lbs. \$54.50

Add for leather trimmings, \$3.00.

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

If full Fenders should be desired on this Surrey, add \$7.50; Lamps \$3.50 extra.

2 Per Cent Discount for Cash with Order.

NO. 144. FARMERS' SURREY WITH EXTENSION TOP.

This is the same Surrey as above, but with Extension Top instead of Canopy Top. Should be a wonderful seller at these low prices.

No. 144. Farmers' Surrey, with Full Leather Quarter, Extension Top, Cloth Trimming. Pole.

Shipping Weight, 625 lbs. \$59.50

Add for Leather Trimmings, \$3.00.

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

2 Per Cent Discount for Cash with Order.

No. 145. STRAIGHT SILL EXTENSION TOP SURREY. POLE.



General description as follows: Axle—1 1-16 Collonge Bell Collar; Long Distance. Body—Glued, Screwed and plugged. Gear—Selected Hickory, Reat 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 Patents Compressed Band or Warner, our own make, $\frac{3}{8}$ or 1 inch Tire. Pole.

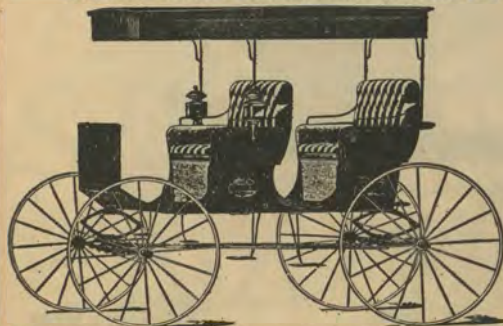
This is a very handsome Surrey, and for the purpose cannot be duplicated any place, and is the same Surrey as sold by dealers at \$125 to \$135. **Note our Low Prices.**

- | | |
|--|---------|
| No. 145. Straight Sill Extension Top Surrey, Full Fenders and Lamps, Leather Quarter Top, Pole, Genuine Leather Trimmings. Shipping Weight, 600 lbs. | \$77 50 |
| No. 146. Straight Sill Extension Top Surrey, Full Fenders and Lamps, Full Leather Top, Rubber Curtains, Pole, Genuine Leather Trimmings; Shipping Weight, 600 lbs. | \$2 50 |
| No. 147. Straight Sill Extension Top Surrey, Full Fenders and Lamps, Full Rubber Top, Pole, Genuine Leather Trimmings. Shipping Weight, 600 lbs. | 74 50 |

If Jockey Fenders are wanted in place of the Full Fenders, deduct \$3.75. Cloth Trimmings or Imitation Leather, deduct \$3. **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. 149. LIGHT STRAIGHT SILL CANOPY TOP SURREY. POLE.



This is a very handsome Surrey, and for the price cannot be duplicated any place, and is equal to Surreys sold by agents at \$100 and \$125. General Description as follows:

Gears 1 1/2-inch Long-Distance Axle, Dust Proof, with Collonge Collars. Norway wrought Iron Clips, Cement Axle Caps, Full Length Body Loops, and full sweep oil tempered easy riding Springs. The body is of new design, large and roomy, new style seats with padded ends, High Spring Back, solid Panel and soft spring Cushions; handsome Double Fenders, Nickel trimmed; Oil Burning Lamps, Steel Rocker Plates; Upholstered in Genuine Leather or a heavy all-wool Green or Blue Broadcloth or fancy Whipcord, if preferred; full length Brussels Carpet. Extension Top of strictly first class Bufted Leather Quarters and Back Stays, genuine heavy Rubber Roof and Curtains; Roof Backstays and Back Curtain lined with wool cloth, sewed Valance; Storm Apron, Leather trimming, second growth Hickory Shafts. Painting—Body black, elegantly finished, nicely striped. Gears, fine shade of Green or rich Red, with three-line striping. Wheels, Best selected Hickory, full bolted oval edge steel tire.

This Surrey is the same as the above, but with Canopy Top, Full Fenders, Oil Burning Lamps. A handsome article. Note our extremely low prices on this:

- | | |
|--|---------|
| No. 149. Genuine Leather Trimmed, Straight Sill, Canopy Top Surrey, with Full Fenders and Lamps; Pole. Shipping Weight, 600 lbs. | \$72 50 |
|--|---------|

Cloth Trimmings or Imitation Leather, deduct \$3.00.

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.

Not a Cheap Road Wagon,
but our Splendid B.
Grade Buggy, with
Corning Body, with
Canopy Top, B-Grade
Wheels.

SOLID PANEL.
SPRING BACK.

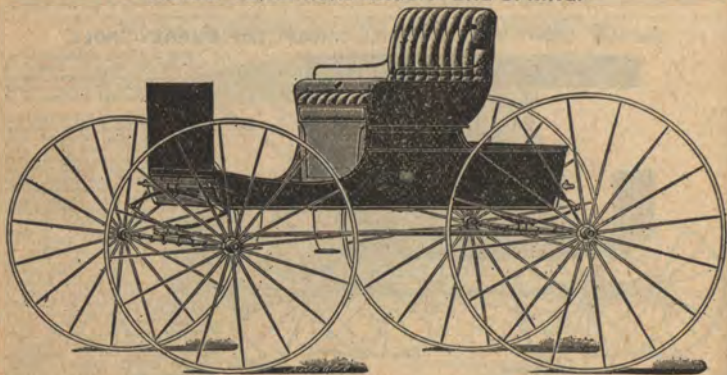


Here is something that is particularly nice and is fully guaranteed. It is made with Strictly B-Grade Buggy Running Gears instead of cheap road wagon gears and wheels as are generally used. You will make no mistake in placing your order for one of these, more particularly described as follows:

Body 24 inches wide. Wheels $\frac{1}{2}$, $\frac{3}{4}$, or 1 inch, with $\frac{1}{2}$ -inch round edge steel tires bolted between each spoke. The celebrated Long Distance Axle, with dust proof boxes; best oil tempered Spring; Dayton Fifth Wheel with King Bolt in rear. Body Loops full length of body; Solid Panel Spring Back; open bottom Sanitary Spring Cushions; Rubber Drill Boot and nickel line Dash Rail. The painting is particularly fine on this job, fully equal to any first-class B-Grade Buggy; Body painted black, Running Gears either Brewster green or red. The Canopy Top is well made, solidly braced Rubber Curtains both side and rear. Complete, with Shafts, Wrench and Anti-rattlers.

No. 150. Canopy Top, Side Curtains, Imitation Leather or Cloth Cushions and Back	\$33 50
No. 151. Canopy Top, Side Curtains, Genuine Leather Cushions and Back	35 00
No. 152. With Full Rubber Buggy Top, Imitation Leather Cushions and Back	36 00
No. 153. Road Wagon, Imitation Leather Cushion and Back, without Top	29 75
No. 154. Road Wagon, Genuine Leather Cushion and Back, without Top	31 50

NO 155. FANCY ROAD WAGON. END SPRING.

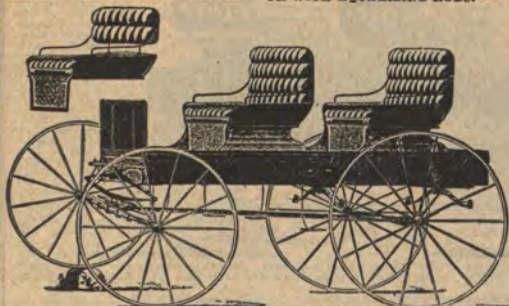


Another handsome Road Wagon. High Panel Spring Back; high Patent Leather Dash, with Nickel Rail; covered boot; Double Collar Steel Axle, rear King Bolt Fifth Wheel; full bolted double reaches; full length body loop; long, easy riding, oil-tempered Springs; selected hickory Sarven Patent Wheels; full-bolted round-edge steel tires. Trimmed in genuine Leather, Whipcord or Cloth; Brussels rug. Painting—Body, black, nicely decorated; Gears, Brewster green or red, nicely striped. Best Hickory Shafts. See our low prices.

No. 155. Fancy Road Wagon, End Spring, Full Panel Back, Drop Axle; Shipping Weight, 425 lbs. Net	\$37 50
cash; no discount	25 65
No. 156. Fancy Road Wagon, end Spring, with Half-Back instead of Solid Back; Shipping Weight, 425 lbs.	35 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 \$1.25 extra.

No. 157 OSCILLATING GEAR SPRING WAGON, 4 FULL BACK SPRINGS.
OR WITH EQUALIZING RODS.



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, 7 feet long. Inside of frame re-enforced with iron posts, iron bound corners, drop end gate, all of the best seasoned lumber, screwed, glued and plugged. The Axle is 1 1/2 inch Steel Double Collar, and you will notice is larger than the 1 1/2 inch 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, riveted rims. Oil tempered Springs. Body painted Black, Gears either Carmine or Brewster Green, handsomely finished and of the best material. Trimmed in either Imitation Leather Cloth or Genuine Leather.

PRICES QUOTED ARE WITH EXTRA HEAVY HICKORY POLE. 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. 157. Oscillating Gear Wagon, as above, two Solid Panels, full Spring Backs, Genuine Leather Trimming. Shipping Weight, Crated, 660 lbs. Best Possible Make, Nothing Better \$51 25

No. 158. Oscillating Gear Wagon, Cloth or Imitation Leather Trimming. Ship. Wt. Crated, 690 lbs. 49 50

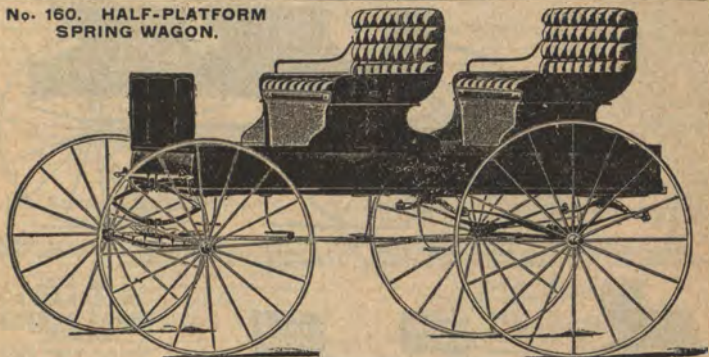
If 10-inch half backs are wanted, as per small cut, deduct 50c for each seat. Can be furnished without the Oscillating Gear at the same price, either Arched or Drop Axle.

Net Cash with the Order. No Discount.

Be Sure and State Whether You Want Wide or Narrow Track.

No. 159. 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. Very Fine and Strong \$62 50

No. 160. 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 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 78 inches 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 tread; 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 1/2-inch, Arched. Tires—Round edge steel, bolted between each Spoke. Springs—open hearth; fully guaranteed steel. Trimmings—Genuine Leather or Imitation Leather, Patent Leather Dash and Solid Panel Spring Back Seat and one 1/2 Back as desired. Paintings—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 disappear. Body finished in Black, Gear, Brewster Green, Maroon, New York Red or Yellow.

PRICE LIST.

No. 160. Half Platform Spring Wagon, Imitation Leather Trimming, with Shafts. \$41 50
No. 161. Three Springs instead of Half Platform 40 00

If Genuine Leather Trimmings are wanted on either, add \$2.50 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

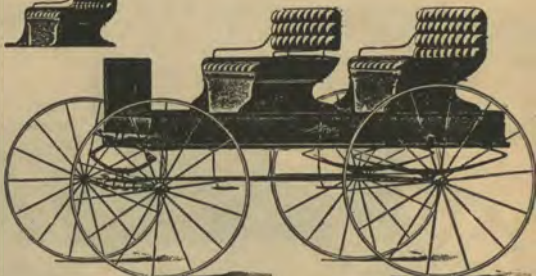
**OUR No. 620W.
COMBINATION WAGON.
4 BACK SPRINGS. (SHAFTS.)
A BARGAIN.**



four leaf. Has Leather Dash, Double Reach, Full Platform Spring in the rear. Seats are removable with either Carriage or Brewster Green Gears. Painting and finishing is strictly first-class. Full Rubber Trimming generally called Imitation Leather--
No. 620W. Combination Wagon as above, with Full Panel Backs. Shipping weight, 500 lbs. \$41.00
Six Top 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 Extra | Foot Brakes for Light Spring Wagon 3.50 "
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 3-Spring like cut No. 162 below, order No. 600. Price the same in any style of trimmings.
2 Per Cent Discount for all Cash with Order. No other Discounts.

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.

**No. 162.
THREE-SPRING
WAGON. (SHAFTS.)**



Described as follows:
BODY, 7x11 inches; Panels bolted through the Sills, Steel Corner Irons; Removable Seats with Three-Quarter Backs; Full Width Drop End Gate; Genuine Patent Leather Dash; Oil-Tempered Elliptic Springs; 1 1/2-inch Double Collar Steel Axle, Norway Clips and Bolts; Double Reach Selected Hickory Wheels, 3-inch or 1 1/2-inch, Full Bolted Oval Edge Steel Tires.

GEARS—Brewster Green or Red, Handsome Finish. Extra Heavy Hickory Shafts.

Trimmed in Imitation Leather.

Cloth or Genuine Leather, extra, \$2.00.

No. 162. 3-Spring Wagon, 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.



**No. 163.
CELEBRATED
CROSS SPRING
WAGON.**

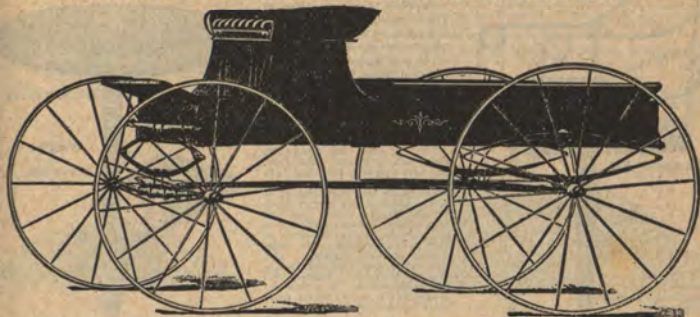
This is a Wagon that is very much admired for a low-priced Wagon. The Spring being very long is very easy riding, and hung in our patent Shackles is equal to any Spring made. The Wagon is more particularly described as follows:

BODY 33 inches wide, 6 ft. 10 inches long, with full width tail gate. Is made of the best selected timber, bone dry, screwed, glued and plugged. Has 1 1/2-inch Double Collar Steel Axle, Sarven Patent Wheels, either 3/4 or 1 inch Tire. Body painted Black, Gears Brewster Green or Carmine. Trimmed in either Imitation Leather, Cloth or Genuine Leather.

Prices as follows:

No. 163. As described above, Shipping Weight, Crated, 500 lbs. \$35.00
If Solid Panel Spring Back Seat is wanted, add 1.00 per seat. If Genuine Leather or Cloth Trimmings are wanted, add \$2.00
2 PER CENT DISCOUNT FOR ALL CASH WITH THE ORDER. NO OTHER DISCOUNT.

NO. 164. DELIVERY OR MARKET WAGON. (SHAFTS.)



Strictly first-class Wagon, described as follows:

WHEELS—Sarven Patent, 42 and 46 inches high; $1\frac{1}{4}$ inch Oval Edge Steel Tires; 1 1-16 inch Double Collar Steel Axle. **SPRINGS**, Front, $1\frac{1}{4}$ -inch Five Leaf; Side, $1\frac{1}{4}$ -inch Four Leaf, Cross Springs, $1\frac{1}{4}$ -inch Five Leaf. **BODY**, 7 feet long, 38 inches wide, 8 inches deep. Please note the generous dimensions of this wagon. We can furnish you with a Wagon 78x31 inches wide for \$3.00 less money. 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. 164. As described above

Shipping Weight, 480 lbs. \$37 60

No. 165. Same Wagon with $1\frac{1}{4}$ 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.

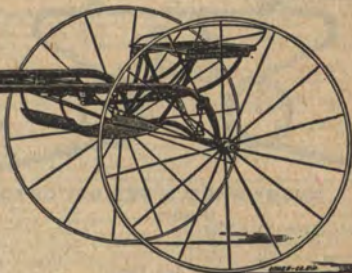
4A. ROAD CART WITH TIGHT FOOT RACK.

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; striped 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.

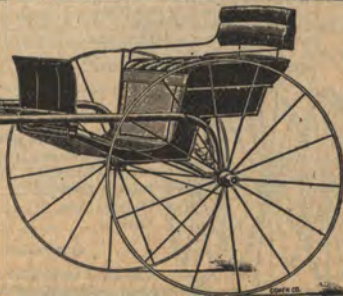
Price.....\$13 00

The best cart ever offered at this price.

Net cash. No discount of any kind.

No. 19. 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



THIRD PERSON BUGGY SEATS.

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 pounds.

The left-hand cut shows the same brackets and standards, but with a square seat and lazy back, enabling a child to sit up comfortably and independent of anyone 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. March 19, 1893.



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



Pat. Mar. 19, 1893

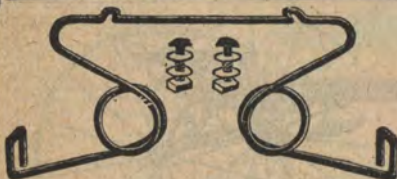
Weight
3 1-2 lbs.

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 SEAT 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, 75c per set.

Order shipped with your other goods and it costs nothing for transportation.

BUGGY WHEELS—PER SET OF FOUR, 4 PER CENT. DISCOUNT.

Grades.	A	B	C	D
¾ and ¾ inch in the White.....	\$ 8.85	\$ 7.05	\$ 5.75	\$ 4.95
In the White Tired, ¾-inch Tire.....	10.75	8.95	7.05	6.85
1 inch in the White.....	8.95	7.15	5.85	5.05
In the White Tired, ¾-inch Tire.....	10.95	9.15	7.85	7.05
1½ inch, 6½ inch Hub in the White.....	9.10	7.30	5.95	5.25
In the White Tired, ¾-inch Tire.....	11.25	9.45	8.15	7.45
1½ inch, 7 inch Hub in the White.....	9.95	8.15	6.70	5.95
In the White Tired, 5-16 inch Tire.....	12.45	10.70	9.25	8.55
1½ inch, 7 inch Hub in the White.....	9.95	8.25	6.85	6.10
In the White Tired, ¾-inch Tire.....	12.35	10.55	9.10	8.40



EXTRAS.

5-16 inch Tire on 1½ inch Wheel.....	40 cents
5-16 inch Tire on 1¼ inch Wheel.....	70 "
Screwed Rims.....	80 "
Riveted Rims.....	40 "
Channel Tires.....	75 "
Boxings.....	75 "

Compressed Band Wheels, 75c higher than above prices.

Painted Wheels. Rich Red, Carmine or Brewster Green, \$3.40 extra per set.

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, 1/2 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 8 steel ribs, 3-16 inch, each..... \$1 65
1 in one order..... 3 10
3 in one order..... 4 60

For both sets of Fixtures, add \$30 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.



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 8-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

You Want
One of
These.
Keep
Kool.

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. 18-oz. Rubber, 8 or 4-bowed top, blue or green cloth lining..... \$8 80

No. 200. Imitation Rubber, 8 or 4-bowed top, blue or green cloth lining 7.95

No. 250. 20-oz. Rubber, 8 or 4-bowed top, blue or green cloth lining..... 9.10

..... dust pockets..... 11.35

..... blue or green cloth lining..... 1 70

..... Cushions, 14 to 16 inches wide, 24 to 32 inches long, Larger sizes extra..... 2 10

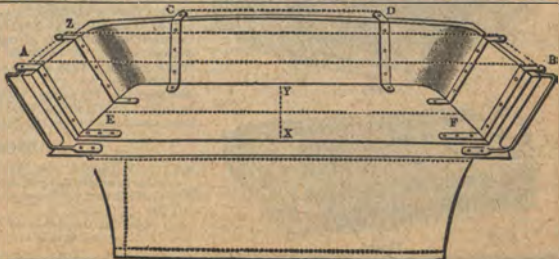
No. 150. Split leather quarters and back stays, 30-oz. rubber roofing and cushions, blue or green cloth lining.....
No. 800. Cushions; Imitation leather, plain, without fall, \$1.55; with fall.....
No. 140. Cushions; Imitation leather, biscuit pattern, without fall, \$1.75; with fall.....

No. A. First Quality Drill Top, Leather Grained Finish..... 7 35
No. B. Good Rubber Top..... 3 25
No. C. Select Leather Quarter Top..... 9 85
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 Easy 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.



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.

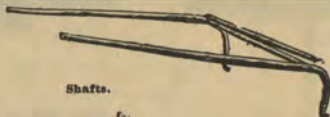
	Regular Price.	Wholesale.	Painted.
No. 1. Buggy Pole, $1\frac{1}{2} \times 2$, either style, see cuts	\$6 00	\$3 25	\$3 75
No. 2. Surrey or Carriage Pole, $1\frac{1}{2} \times 2\frac{1}{4}$, either style, see cuts	6 50	3 50	4 00
No. 3. Spring Wagon Pole, $2 \times 2\frac{1}{4}$, either style, see cuts, heavy ironed		3 75	4 25
No. 4. Heavy Spring Wagon Express Pole, $2\frac{1}{4} \times 2\frac{1}{4}$, either style, see cuts		4 00	4 50
No. 5. Light or Buggy Shafts, $1\frac{1}{2} \times 1\frac{1}{4}$, either Ferrule or Sword End Single Tree, see cuts	4 00	2 15	2 50
No. 5a. Extra Buggy Shafts, $1\frac{1}{2} \times 1\frac{1}{4}$, either Style	4 50	2 40	2 75
No. 6. Medium or Wagon Shafts, $1\frac{1}{2} \times 2$, either style, see cuts	5 00	2 60	3 00
No. 7. Heavy Wagon Shafts, $1\frac{1}{2} \times 2\frac{1}{4}$, either style, see cuts		3 00	3 50

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

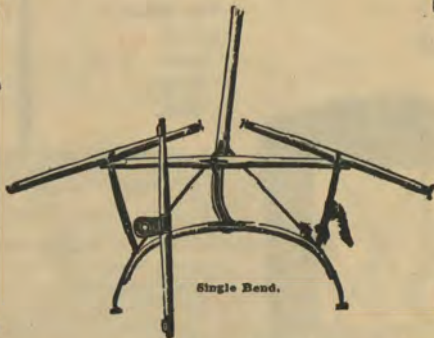
All Painted Poles have three coats of paint and varnished, and applied by the best workmen. Striping any color, 15 cents extra.



Double Bend.



Shafts.



Single Bend.

The Lehman Carriage Heaters & Coal.

The Original and Only Absolutely Perfect.

Will make a vehicle absolutely comfortable in the coldest weather. It will give continual heat for 15 hours. Please notice time specified is 50 per cent. greater than is claimed by any of the imitations. Operated at a cost of $\frac{1}{10}$ c per hour. Damage from fire impossible. Absolutely unbreakable. Constructed without solder or castings. Can be heated and is ready for use within a very few minutes. Will last a lifetime.

Metallic, $7\frac{1}{2}$ inches wide, $3\frac{1}{2}$ inches deep, either 14 inches or 20 inches long. The top is oval, affording a comfortable resting place for the feet.

PRICE.

No. 13. 14 inches long, polished brass and covered with Brussels Carpet, weight, 8 lbs.	\$3.75
No. 14. 20 inches long, same as above, weight, 10 lbs.	\$5.75

Coal for Heaters—Bricks, $2\frac{1}{4} \times 7\frac{1}{2}$ inches.
Per Dozen in Box, 75 cents.



Open.



Closed.

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 using. The Axles are of THE BEST SELECTED tough hickory, no cheap maple, pecan or rock elm used as in cheaper wagons. Tough hickory single trees, double trees and neckyokes. Guaranteed A-Grade selected white oak hubs, spokes, felloes, tongues, reaches and bolsters absolutely bone dry.

TRY ONE. IT TAKES THE CAKE EVERYWHERE.

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 boiled 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 skein, consisting of a flat piece of steel fastened underneath and connected by cast 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—Yellow Pine and Cottonwood.

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.

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

Prices 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		Dimensions of Body—Outside Measure						Estim'd Capacity on Good Roads	Price Complete, with Bed, Brake and Spring Seat.	For Extra's Wag-on Box's
			Front	Hind.	Length	Width.		Lower Board	Top Board				
						Narrow Track	Wide Track						
900	2½x8	1½x½	3 ft. 8 in.	4 ft. 5 in.	9 ft. 8 in.	3 ft. 2 in.	3 ft. 7 in.	12 in.	6 in.	1700	\$47 95	\$10 00	
1025	2½x8½	1½x½	3 ft. 9 in.	4 ft. 6 in.	10 ft.	3 ft. 2 in.	3 ft. 7 in.	12 in.	10 in.	2200	50 95	10 50	
1100	3 x9	1½x½	3 ft. 8 in.	4 ft. 6 in.	10 ft. 6 in.	3 ft. 2 in.	3 ft. 7 in.	14 or 16 in.	13 or 10 in.	2000	52 95	11 00	
1200	3½x10	1½x½	3 ft. 8 in.	4 ft. 6 in.	10 ft. 6 in.	3 ft. 2 in.	3 ft. 7 in.	16 or 18 in.	12 or 10 in.	4000	84 95	12 00	
1250	3½x11	1½x½	3 ft. 8 in.	4 ft. 6 in.	10 ft. 6 in.	3 ft. 2 in.	3 ft. 7 in.	16 or 18 in.	12 or 10 in.	5000	57 95	12 75	

ONE HORSE WAGONS.

2½ inch Thimble Skein; Tire 1½x½ inches; Wheels, 5 feet, 6 inches and 4 feet 2 inches; Bed, 8 feet; Depth, 15 inches.

Plain Seat; Shafts. \$35.00
Same with 1½ inch Iron Axle, Patent Wheels 36.00
Same with 1½ inch Iron Axle, Patent Wheels 37.50

Pole in place of Shafts, \$1.40 Extra; Extra Pole, \$3.50.

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 Lazy Back, Truss Skeins, Comstock 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.....3 50
Gear Brake in place of Bed Brake, extra.....\$1 75
Steel Skeins in place of Cast Skeins, 3½ in.....3 75
Steel Skeins in place of Cast Skeins, 3¾ in.....4 00

For Extra Wide Tires add \$6.00 an inch. Same Wagon without Truss Skeins or Patent End Gates, \$1.00 less.

PRICE LIST.

Extra for Top Locks and Anti-Spreader Rods on Wag. \$5 50
Low or Regular Size Wheels with Wide Tires, 2½x½ in., extra.....5 00
Low or Regular Size Wheels, with Wide Tires, 3x½ in. ex. \$6 00
Chain Feed Box.....1 00
Staples, per set.....45
Bows, per set (5).....60

In ordering Extra Bands give distance between standards.

Extra Wheels, per set, 2½ inch, \$22.75; 2½ inch, \$23.40; 3 inch, \$24.00; 3½ inch, \$25.20; 3¾ inch, \$26.40.

The selling price of a Brake or Seat includes the cost, expense of shipping and, when deducted from the price of a complete wagon the manufacturer 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 66.

Extra Wagon Boxes, (no Brake or Seat) Extra Boxes painted green only.....\$10 00
Price of Gears only, with Whitetires, Neckyoke and Stay Chain.....36 00
Weight of Gears, etc., 800 lbs. Weight of Box (no Brake or Seat), 200 lbs.....\$7 50
Cast Skeins, 3½ in. Spring Seats, with Lazy Back, \$2.00; no Lazy Back, \$1.50. Extra Bed Brakes, \$2.00. Extra Gear Brakes, \$4.00. Deduct for Box Brake when not wanted, \$1.50; for Spring Seat, \$1.50. Price of Extra Top Boards, 6 in., \$2.25; 8 in., \$2.50; 10 in., \$2.75; extra Seat Raisers, 50c. Price of Feed Box, \$1.00. Price of Bows, 50c. Price of Staples, 35c. Price of Sheet (give size) see page 66.

Remember that our Hapgood 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 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, TEXAS, Oct. 29, 1899.—Hapgood Plow Co., Alton, Ill.—Gentlemen: I received the Hapgood 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 we ever saw in this part of the country. The sewing machines are giving perfect satisfaction. Signed, A. A. LOYEN.

AXTELL, Neb., Oct. 25, 1893.—Haggood Plow Co., Alton, Ill.—Gentlemen: I have neglected to acknowledge receipt of goods, but will say that they are entirely satisfactory in every particular. The Wagon runs light and is a beauty. The Buggy is simply a wonder at the price. I have received many flattering comments on the style and beauty of the Dewey. The Harness is stout and serviceable.

Signed,

C. I. SWARTWOOD.

OUR STANDARD FARM WAGON.

NET CASH
WITH
ORDER.
NO
DISCOUNT
OF
ANY KIND.



THE
GREATEST
BARGAIN
EVER
OFFERED
IN
WAGONS.

This Wagon is fully warranted by us. It is well made, of good material, finished in the usual colors, green bed and red gears, all nicely striped. Has the Improved Truss Skeins on both axles, consisting of a flat strap of iron connected by cuff band at the shoulder with the skeins which materially increase its strength. Bottoms are double where they rest on the Bolster. Furnished with Round or square Hounds. Two box straps in center on each side of bed. Two braces and -step on outside. This Wagon is well ironed, not so heavily as our Haggood, but is equal in every respect to nine-tenths of the Farm Wagons on the market sold by Dealers, and we do not hesitate to say, and to guarantee without reservation, that it is the best Wagon ever offered at this price.

We know, after adding freight, that you are paying \$10.00 more for this same Wagon as well as dozens of others of the same grade. Why not save that \$10.00 by sending your orders direct. We have sold it for five years and never had a complaint.

WIDE OR NARROW TRACK—BE SURE TO STATE.

Actual Weight.	Estimated Ship ing Weight.	Size of Skein.	Size of Tire.	Height of Wheels		Dimensions of Body—Outside Measure,						Estimated Cost of Good on Good R. sds.	Price complete.	Extra Wagon Box.
				Front.	Hind.	Length.	Width.		Lower Board.	Top Board.				
							Narrow Track.	Wide Track.						
825	900	2½ x 8	1½ x ½	3 ft 8 in.	4 ft. 5 in.	9 ft. 3 in	3 ft. 2 in.	3 ft. 7 in.	12 in.	6 in.		1500	\$46.50	\$10.00
950	900	2½ x 8½	1½ x 7-10	3 8	4 6	10 ft.	3 2	3 7	12	10		2000	47.00	10.50
1050	1000	3 x 7	1½ x 8	3 8	4 6	10 6	3 2	3 7	14 or 16	12 or 11		2500	51.50	11.00
1150	1100	3½ x 10	1½ x 9-16	3 8	4 6	10 6	3 2	3 7	16 ½	12 ½	10	3800	53.00	12.00
1275	1200	3½ x 11	1½ x 9-16	3 8	4 6	10 6	3 2	3 7	16 ½	12 ½	10	4000	56.00	12.75

Our prices on Wagons complete includes bed brake, spring seat with lazy back, truss skeins, side braces on the bed, round or square edge tires, patent epd-gate and eveners.

We mention these because some parties are in the habit of quoting wagons without brake, seat or eveners.

Size of Wagon	2½-inch.	3½-inch.	4-inch.	4½-inch.	5½-inch.
Price of Gears with Whiffle-Trees, Neck Yoke & Stay Chains	\$36.00	\$37.00	\$39.50	\$40.75	\$49.50
Weight of Gear, Pole and Yoke	570 lbs.	650 lbs.	750 lbs.	800 lbs.	850 lbs.
Weight of Box and Brake	200 lbs.	200 lbs.	200 lbs.	275 lbs.	300 lbs.

For Gear Brake in place of Bed Brake, add \$2.00.

For Extra Wide Tires, add \$5.00 for each additional inch per Wagon.

Price of Extra Top Boards, 6-inch, \$2.25; 8-inch, \$2.50; 10-inch, \$2.75.

Extra Seat Risers, 50 cts. extra.

Extra Bed Brake, \$2.00.

Extra Gear Brake, \$4.00.

Spring Seat with Lazy Back, \$2.00.

When Wagons are ordered without Bed Brake, deduct \$1.50. Deduct for Spring Seat, \$1.50. Factories, of course, charge more than they are willing to deduct, as they only deduct the cost of material and labor, while the selling price must include profits, expense of shipping, etc. Boxes on Narrow Track Wagons are 3 ft. 2 in.; Wide Track, 3 ft. 6 in.

Above prices are all F. O. B. the cars. Freight rates guaranteed to be the same as from St. Louis or Alton.

The best of recommendation is the hundreds of letters we have received from delighted customers.

ATWOOD, KANS., Jan. 21st, 1894.—Haggood Plow Co., Alton, Ill.—GENTLEMEN That wagon I bought of you has proved to be one of the best that ever came to this country. I bought it one year ago last August and it is just as good as the day it came out of the shop. We used the wagon to move some 4800 bushels last summer, and you can see we have given the wagon a good test.

Yours respectfully,

F. W. LANBACH.

A WORD OF EXPLANATION.

Owing to the great competition on Wagons among the dealers, and the fact that it is a staple article, and that prices are often cut to a low point, taken in connection with the fact that Railroads make a low rate of freight on car-load shipments, while asking first-class rates on local shipments, and the still further fact that Wagons are heavy, prevents us from saving you as much money on Wagons as on other goods in proportion to cost. But we can save you something.

Notwithstanding these facts, we sell thousands of Wagons each year, because we can save you from \$5.00 to \$15.00 and give you a better wagon than you get at home.

We mention these facts because the situation is different in reference to Wagons than almost anything else in our Catalogue. Where your dealers do not buy in carload lots we save you a great deal of money. Where he does buy in carload lots he will have to sell you at a small profit if he meets our prices. We hope, therefore, to be favored with your inquiries and to be given an opportunity of quoting you prices showing what your goods will cost you delivered, and you can tell whether we shall be favored with your orders or not.

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.

See that Hound.



PRICE LIST ON DANDY FARM WAGONS.

4 per cent discount for all cash with order. (We will number them for convenience in ordering.)

No.	24-inch Front Wheels, 30-inch Hind Wheels, 4x3-8 Tires, Shipping Weight, 500 lbs.		
No. 1	24-inch Front Wheels, 30-inch Hind Wheels, 4x3-8 Tires, Shipping Weight, 500 lbs.		\$23 65
No. 2	24-inch Front Wheels, 30-inch Hind Wheels, 4x3-8 Tires, Shipping Weight, 500 lbs.		24 75
No. 3	24-inch Front Wheels, 30-inch Hind Wheels, 4x3-8 Tires, Shipping Weight, 500 lbs.		25 65
No. 4	24-inch Front Wheels, 30-inch Hind Wheels, 4x3-8 Tires, Shipping Weight, 500 lbs.		26 75
No. 5	24-inch Front Wheels, 30-inch Hind Wheels, 4x3-8 Tires, Shipping Weight, 500 lbs.		27 65
No. 6	24-inch Front Wheels, 30-inch Hind Wheels, 4x3-8 Tires, Shipping Weight, 500 lbs.		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. Double-trees, singletrees, stay chains and neck yoke, \$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 3x4 in. 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, double-trees, neck-yoke or stay chains. These wagons take third class freight, which makes the freight very low.

Axles made of the best stock, 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, 3300 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 64 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.

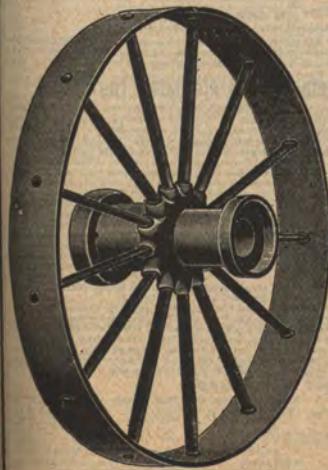
Size, Inches.	Weight, lbs.	Height, in., each.	3-inch Tire.	4-inch Tire.	5-inch Tire.
20	51	20	\$2 00	\$2 75	\$3 25
24	57	24	2 75	3 96	4 45
28	65	28	2 95	4 20	4 65
30	68	30	3 10	4 35	4 75
32	71	32	3 25	4 50	4 95
34	77	34	3 50	4 75	5 25
36	81	36	3 75	4 95	5 40
38	84	38	3 80	5 00	5 45
40	101	40	4 00	5 25	5 75
42	105	42	4 25	5 50	6 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 1/2 to 3 inch, 65 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.



METAL WHEELS, GROOVED TIRE.

This Feature in 4-Inch Tire Wheels Only.)



PRICES PER WHEEL, 4-INCH TIRES.

20 inch, 10 spokes	\$2 55	40 inch, 16 spokes	\$4 65
22 " 10 "	2 90	42 " 16 "	4 80
24 " 10 "	3 20	44 " 18 "	5 00
26 " 10 "	3 40	46 " 18 "	5 10
28 " 10 "	3 50	48 " 20 "	5 30
30 " 10 "	3 60	50 " 20 "	5 45
32 " 12 "	3 85	52 " 22 "	5 60
34 " 12 "	3 95	54 " 22 "	5 75
36 " 14 "	4 05	56 " 22 "	5 10
38 " 14 "	4 15		

4 Per Cent Discount Cash With Order.

The Grooved Tire is made 4x $\frac{3}{8}$ inches, but it is stronger than plain 4x $\frac{3}{8}$.

Forty-four inch Wheels and higher, have Round Staggered Spokes.

Forty-two inch Wheels and lower have Oval Staggered Spokes.

We do not make Straight Spoke Wheels unless specially ordered.

For 5-inch tire add \$1.50 net per set; and for 6-inch tire add \$3.00 net per set. We furnish wheels with 3-inch by $\frac{1}{2}$ -inch tire at the same price as the 4-inch; but anything above 3 inches in width is \$1.50 net extra for each eighth of an inch in thickness.

There is no discount from the extra price. We also make the grooved tire 4 inches wide and $\frac{1}{2}$ inch thick for \$1.50 extra per set.

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 more horses than all sorts of accidents. One man, one team and one 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 on in very much less time, as it is not necessary to build a load with material or workmanship. Any wheel proving defective as above we will repair or furnish new wheels at our works free.

feet than to lift it four feet. A load of any kind can be put on in very much less time, as it is not necessary to build a load with anything like the care, when low wheels are used. Metal Wheels save one-third the labor, one-third the time, all the expense of repairs. For hauling hogs to market a wagon equipped with our metal wheels has so many advantages that must be apparent to all that it is hardly necessary to mention the one fact of being so much nearer the ground than more than one-half the time in loading is saved. Wide tires incur about one-third the resistance that narrow tires must overcome. A four-inch tire will not sink into the ground more than one inch under conditions that would let the two-inch tire down four inches. Metal wheels with broad tires do not cut up the fields into gullies and ruts. Metal wheels can be exposed to all sorts of weather without injury. The ordinary wagon will wear out two sets of wheels, while it is quite likely that one set of our metal wheels will wear out two wagons, or at least very greatly 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.

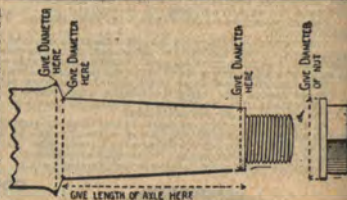
Our wheels have 14 spokes with a 4x $\frac{3}{8}$ tire; other wheels have only 5-10 tire. We use 14 spokes on all wheels. 30-inch wheels, 12 spokes on their 34-inch wheels, and 14 spokes on their 38-inch wheels. We use 14 spokes on all wheels.

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 \$1.30 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.

24 inch Wheels, Staggered Spokes, 4x $\frac{3}{8}$ Tire, wt.	70 lbs.	\$3 50
28 " " " " " " " "	77 " "	3 75
30 " " " " " " " "	80 " "	3 90
32 " " " " " " " "	84 " "	4 00
34 " " " " " " " "	88 " "	4 25
36 " " " " " " " "	92 " "	4 40
38 " " " " " " " "	96 " "	4 75

Straight Spoke, 4x $\frac{3}{8}$ Tire Wheels, wt. 60 lbs.	\$3 15
" " " " " " " "	65 " " 3 45
" " " " " " " "	70 " " 3 60
" " " " " " " "	80 " " 3 90
" " " " " " " "	87 " " 4 25
Add for boxes in Staggered Spoke Wheels, \$1.00	
a set extra. Not used in Straight Spoke Wheels.	
Larger sizes quoted on application.	



MILAN, KAN., Sept. 9, 1901—Your disc gang is more than you claim for it. Plowed for Mr. Zook and Mr. Crab in land where they could not plow with mould board sulks. We run the disc gang, cutting 24 inches wide, with only 3 horses. I have sent you now a great many orders.

J. G. BAILEY.

67

WALL TENTS.



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.

Wall Tents, Wagon Covers, Fish Nets, etc.

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-oz.	8-oz.	10-oz.	12-oz.
10x10.....	\$1 92	\$2 25	\$2 48	\$3 00	\$4 60
10x12.....	2 30	2 78	3 02	3 60	5 55
10x14.....	2 81	2 96	3 15	3 95	6 01
10x16.....	3 71	3 19	3 48	4 27	6 49
10x18.....	2 89	3 44	3 66	4 67	6 96
10x20.....	3 08	3 67	3 90	4 89	7 48
10x22.....	3 80	3 90	4 16	5 18	7 93
10x24.....	4 48	4 14	4 41	5 49	8 85
11x20.....	3 88	4 63	4 92	6 10	8 55
11x22.....	3 82	3 84	3 55	4 45	6 78
11x24.....	3 08	3 89	3 82	4 83	7 29
11x26.....	3 25	3 88	4 11	5 16	7 84
11x28.....	3 48	4 11	4 38	5 58	8 25
11x30.....	3 67	4 54	4 67	5 88	8 89
11x32.....	3 88	4 60	4 96	6 22	9 45
11x34.....	4 30	5 11	5 58	6 94	10 52
12x14.....			4 26	5 85	8 11
12x16.....			4 38	5 79	8 70
12x18.....			4 99	6 11	9 27
12x20.....			5 71	6 50	9 85
12x22.....			5 52	6 88	10 44
12x24.....			6 15	7 65	11 62
12x26.....			6 78	8 43	12 78



WAGON COVERS.

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.

TARPAULINS.

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 24x30 feet. Special sizes made on order.

PLAIN WHITE CANVAS PAULINS.

For Covering Harvesters, Binders, Threshing Machines, Stacks, Hay Cars and All Kinds of Merchandise.

SIZE.	8-oz. Single Filling.	10-oz. Single Filling.	12-oz. Single Filling.
5 1/2 x 9.....			
7 x 12.....	\$ 2 56	\$ 2 90	\$ 3 78
7 x 15.....	3 53	3 48	4 06
10 x 16.....	3 90	4 80	6 70
10 x 17.....	4 15	5 10	7 10
10 x 18.....	4 40	5 40	7 54
12 x 14.....	4 25	5 25	7 84
12 x 16.....	5 00	6 00	8 86
12 x 18.....	5 50	6 75	9 44
12 x 20.....	6 15	7 50	10 48
14 x 16.....	6 50	7 95	10 09
14 x 18.....	7 30	8 95	11 82
14 x 20.....	8 15	9 95	12 60
14 x 22.....	8 95	10 95	13 86

STOCKMEN'S BED SHEETS.

Made From the Very Best Heavy White Duck.

SIZE.	18-oz.	15-oz.	12-oz.	10-oz.
6x12.....	\$4 80	\$5 45	\$5 85	\$6 80
6x14.....	5 20	6 80	6 80	7 85
6x15.....	5 00	6 75	7 25	8 45
6x18.....	6 65	8 05	8 65	10 10
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 60

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.

MAKE NO MISTAKE.

ABOVE PRICES ARE LIST PRICES. WRITE US FOR NET PRICES DELIVERED AT YOUR TOWN.

HARNESS.

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 orders 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. We 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.

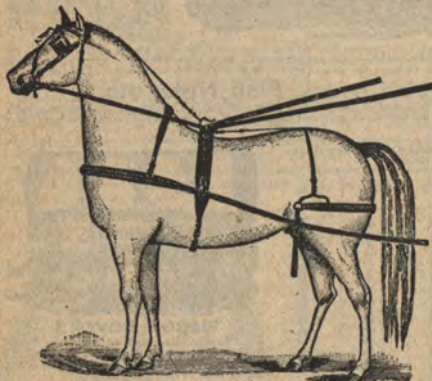
4 percent. Discount for all cash with the order on all Harness except where net cash prices are given.

HOW TO ORDER.

In ordering HARNESS 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. 45. SINGLE BUGGY HARNESS.—1 Inch Traces.

PRICE.



X. C. or Japanned Trimmings.....\$4.05

Net cash; no discount.

Extra for Collar and Hames......75

Add for 1½ inch Traces......35

GIG SADDLE—2¼-inch Japanned Seat and Jockeys, Patent Leather Skirts, Drill, Stuffed Bottom; ¾-inch Back Bands, Double and Stitched.

LINES—¾-inch, all Black, to Snap in Bit.

BRIDLE—¾-inch, with Over-check; Patent Leather Blinds, Square or Sensible; Metal Rosettes; Patent Leather Front.

BELLY BANDS—1¼-inch Flat, Griffith Style.

SHAFT TUGS—¾-inch, Double and Stitched, with Wire Center Bar Trace Buckles.

HAMES AND TRACES—¾-inch, Iron Hames, 1-inch Double and Stitched Traces attached.

TURNBACKS—¾-inch, with Round Stuffed Dock Sewed on, ¾-inch Hip Straps.

BRECHING—Body Flat, with Layer Full Length.

BREAST COLLAR—Flat with Layer Full Length, 1-inch Traces attached.

COLLAR—All Black Split, No. 75.

SIDE STRAPS—¾-inch, Riveted, No. 1030. Same style of Harness as above, but a little better, 35 cts. extra.

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

illustration, cannot be duplicated.

harness looks as well on paper as one at \$12.00. Our prices, quality considered, cannot be duplicated.

NO. 46. SINGLE BUGGY HARNESS.

Showing Collar and Hames; 1 inch Traces.

X. C. or Japanned Trimmings, with Breast Collar.....\$6.95

Extra for Collar and Hames......75

Extra for Nickel Trimmings......95

Add for 1½-inch Traces, 35c.

Round Hipstraps instead of Flat, 25c extra.

GIG SADDLE—2¼-inch Japanned Seat and Iron Jockey, Patent Leather Skirts, Enamel Drill Bottoms Full Stuffed, Back Bands Double and Stitched.

LINES—¾-inch, all Black, to Loop in Bit.

BRIDLE—¾-inch with Over-check, Patent Leather Blinds, Flat Winker Stays, Leather Fronts and Metal Rosettes.

BELLY BANDS—Solid, 1¼-inch, Griffith Style.

SHAFT TUGS—¾-inch, Double Stitched, with Wire Center Bar Trace Buckles.

HAMES—¾-inch, Iron.

HAME TUGS—Short with Wire Center Bar Trace Buckles, Double and Stitched and Riveted to Hames.

BRECHING—Folded with Layer Full Length, Tugs Sewed, with Bar Buckles.

TRACES—To Buckle, 1-inch Double and Stitched.

DOUBLE HIP STRAPS—¾-inch Flat.

TURNBACK—¾-inch Flat, with Round Stuffed Dock sewed on.

SIDE STRAPS—¾-inch.

BREAST COLLAR—Folded, with Layer Full Length, and Wire Center Bar Trace Buckles.

Order your harness along with one of our

Buggies. They can be shipped together and

save any expense on the Harness.



No. 47. Single Buggy Harness, Showing Collar and Hames, Campbell Lock-Stitched. 60

1-inch Traces. A better Harness never offered for the same price; one of our best sellers.

X-C Trimmings.....Cut Price, \$7.95

Collar and Hames extra, Cut Price, 60c.

GIG SADDLE—2½-inch Japanned Seat and Iron Jockeys, Patent Leather Skirts, Enamel Drill Bottoms, Full Stuffed, Back Bands, ½-inch, Double and Stitched.

LINES—¾-inch, all Black, to Loop in Bit.

SHAFT TUGS—¾-inch, Double Stitched, with Center Bar Buckles.

BRIDLE—¾-inch, with Box Loop Cheeks and Over-check Reins, Flat Winker Braces, Patent Leather Blinds, Square or Sensible, Leather Fronts and Metal Rosettes.

BELLY BAND—1½-inch, Solid, Grifith Style.

TRACES—1-inch, Double and Stitched.

BRECHING—Folded with Layer Full Length, Double Tugs Sewed, with Bar Buckles.

HAMES—3½-lb. Iron.

HAME TUGS—With Box Loops, Harness Leather Ends, Double Stitched.

DOUBLE HIP STRAPS—¾-inch Flat.

TURNBACK—¾-inch, straight, with Round Dock Sewed on.

SIDE STRAPS—¾-inch.

COLLAR—All Black, No. 75.

BREAST COLLAR—Folded with Layer and Box Loops.

No. 1080. Same Style of Harness (would require an expert to tell the difference).

Price\$9.15



No. 48. Single Buggy Harness, Showing Collar and Hames. 1½-in. Traces, Round Hip Strap.

Campbell Lock Stitched, X-C or Japanned Trimmings, Breast Collar.....\$9.80

Above with Collar and Hames instead of Breast Collar, add\$1.85

With 1½-inch Traces, add extra, 40c.

For Flat Hip Strap, deduct 20c.

Net Cash With Order.

GIG SADDLE—3-inch Japanned Seat and Swell Iron Jockeys, Patent Leather Skirts, Double Swell, Enamel Drill Bottom Pad, Full Stuffed.

BRIDLE—¾-inch, Box Loop Cheeks and Round Winker Braces, Over-check Solid with ½-inch Body, patent Leather Blinds, Square or Sensible, Chain Fronts, Metal Rosettes.

BACK BANDS—1-inch, Double Stitched.

LINES—With Billet Ends to Buckle in Bits, all Black, 1-inch Hand-parts, ¾-inch Fronts.

BELLY BANDS—1½-inch Solid Flat, Grifith Style.

HAMES—3½-lb. Iron.

HAME TUGS—Straight with Box Loops and Harness Leather Ends.

SHAFT TUGS—1-inch, Double Stitched with Box Loop Sewed in.

BRECHING—Folded with Layer, Double Tugs with Wire Bar Buckle and Leather Loop.

TRACES—1½-inch, Double and Stitched.

SIDE STRAPS—¾-inch.

TURNBACK—¾-inch Flat with Round Stuffed Dock to Buckle, two Round Hip Straps.

BREAST COLLAR—Folded with Layer and Box Loops.

COLLAR—No. 100. All Black. Very fine. Can furnish much cheaper Collars.

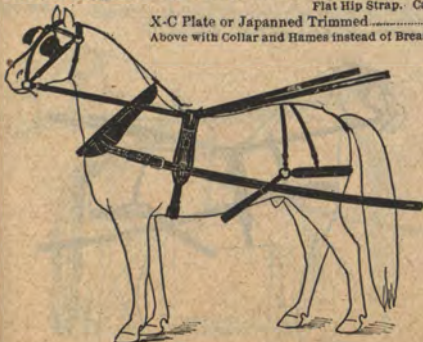


No. 49. Single Buggy or Light Surrey Harness, Showing Collar & Hames. 1½ inch Traces

Flat Hip Strap. Campbell Lock-Stitched.

X-C Plate or Japanned Trimmings.....\$10.25

Above with Collar and Hames instead of Breast Collar, add 65c. For Round Hip Straps, add 35c.



SADDLE—3½-inch Japanned Seat and Iron Jockeys, Patent Leather Skirts, Enamel Drill Bottom Pad.

LINES—Black, ¾-inch Fronts, with Billet to Buckle into Bit, 1-inch Russet Hand-parts.

BRIDLE—¾-inch, Box Loops and Round Winker Braces, patent Leather Blinds, Square or Sensible, Chain Fronts, Metal Rosettes, Over-check Reins, Solid Split with ¾-inch Body.

BACK BANDS—1-inch, Double and Stitched.

TRACES—1½-inch, Double and Stitched.

BRECHING—Folded with Layer, Double Tug, Sewed.

SHAFT TUGS—1-inch, Double and Stitched, with Billets, two Folded Belly Bands.

HAMES—3½-lb. Iron.

HAME TUGS—With Box Loops, Straight Harness Leather Ends.

TURNBACK—Straight ¾-inch, with Round Stuffed Dock to Buckle, two ¾-inch Flat Hip Straps and ¾-inch Sewed Breaching Straps.

BREAST COLLAR—Folded with Layer and Box Loops.

COLLARS—All Black, Solid Rim.

No. 49½. Same Style Harness, but a Heavier and a Better Collar, \$1.05 Extra.

Japanned Trimmed.....\$7.25

Above with Collar and Hames in-

stead of Breast Collar, add.....80c

Net Cash with Order.

BRIDLE— $\frac{1}{2}$ -inch Box Loop Cheeks, Patent Leather Sensible Blind, Round Winker Brace, Layer on Crown, Over-Check.

LINES— $\frac{1}{2}$ -inch Black Fronts, Russet Handparts, to Buckle in Bit.

BRECHING— $1\frac{1}{2}$ -inch Single Strap, $\frac{1}{2}$ -inch Side Strap.

BELLY BAND— $1\frac{1}{2}$ -inch Single Strap Griffith.

SADDLE— $2\frac{1}{2}$ -inch Single Strap Harness, Leather Skirt, $\frac{1}{2}$ -inch Bearer, Enameled Drill Pad.

BREAST COLLAR— $1\frac{1}{2}$ -inch Single Strap, $1\frac{1}{2}$ -inch Single Strap Traces attached, Ends Lined and Stitched.

TURNBACK— $\frac{1}{2}$ -inch Round Dock, $\frac{1}{2}$ -inch Hip Strap.

SHAFT TUGS— $\frac{1}{2}$ -inch Double and Stitched.

Full Japanned trimmed. Finish Plain Smooth Edge.



No. 51. Single Strap Buggy Harness. With V-Shaped Breast Collar.

Campbell Lock-Stitched, Creased.

X-C Plate or Japanned Trimmed.....\$7.95 Net Cash with Order.....\$7.65

With Straight Breast Collar deduct 20c

With Collar and Hames add 85c.



SADDLE— $2\frac{1}{2}$ -inch, Japanned Seat and Iron Jockeys, Single Strap Harness Leather Skirts, 1-inch Back Bands Double and Stitched, with Metal Loops, Pad with Enamel Leather Bottoms and Leather Binding.

LINES— $\frac{1}{2}$ -inch, all Black, to Loop in Bit.

BRIDLE— $\frac{1}{2}$ -inch, Box Loop Cheeks, Flat Winker Braces, Patent Leather Blinds, Square or Sensible, Leather Front and Metal Rosettes.

BREAST COLLAR—If Straight, $1\frac{1}{2}$ -inch Solid Single Strap with $1\frac{1}{2}$ -inch Single Strap Traces attached Trace Ends Double and Stitched; If V-shaped $2\frac{1}{2}$ -inch. Traces same as on Straight Breast Collar.

BRECHING— $1\frac{1}{2}$ -inch Solid Single Strap, Three Ring Stays, Double and Stitched.

BELLY BAND— $1\frac{1}{2}$ -inch Single Strap, Griffith Style.

SHAFT TUGS— $\frac{1}{2}$ -inch Double and Stitched, with Leather Loops.

TURNBACK— $\frac{1}{2}$ -inch Straight, with Round Dock Sewed on, Flat Hip Strap $\frac{1}{2}$ -inch.

SIDE STRAPS— $\frac{1}{2}$ -inch.

HAMES— $3\frac{1}{2}$ -lbs.

COLLAR—All Black.

No. 52. Single Strap Buggy Harness. With V-Shaped Breast Collar.

$1\frac{1}{2}$ -inch Traces. Campbell Lock-Stitched.

Saddle is Nickel or Imitation Rubber Trimmed.....

\$8.95

Above with Collar and Hames instead of Breast Collar, add 70c.

With $1\frac{1}{2}$ -inch Traces, add 75c. With Straight Breast Collar, deduct 25c.

Net Cash with Order.

SADDLE— $2\frac{1}{2}$ -inch, Japanned Seat and Beveled Iron Jockeys, Single Strap Harness, Leather Skirts, Back Bands 1-inch Double and Stitched, with Leather Loop, Pad Enameled Leather Lined, Fancy Rosettes.

LINES— $\frac{1}{2}$ -inch, all Black, to Loop in Bit.

BRIDLE— $\frac{1}{2}$ -inch, Box Loop Cheeks and Round Winker Braces, Solid Over-check, Patent Leather Blinds, Square or Sensible, Chain Fronts, Metal Rosettes.

BREAST COLLAR—V-shaped $2\frac{1}{2}$ -inch, Single Strap, with Box Loop Tugs.

BELLY BAND— $1\frac{1}{2}$ -inch, Solid Single Strap, Griffith Style.

TRACES— $1\frac{1}{2}$ -inch Single Strap attached to Breast Collar, with Scalloped Points, V-shaped Breast Collar $2\frac{1}{2}$ -inch.

SHAFT TUGS—1-inch, Double and Stitched, with Box Loops.

BRECHING— $1\frac{1}{2}$ -inch, Solid Single Strap, 3-Ring Stays, with Box Loop Tugs.

HIP STRAPS— $\frac{1}{2}$ -inch Flat.

SIDE STRAPS— $\frac{1}{2}$ -inch, with Leather Loops Sewed on.

TURNBACK—Scalloped and Lined, with Round Dock Sewed on.

HAMES—With Traces attached.

BLACK COLLAR—With Solid Rim. No. 100



No. 49½. Single Surrey Harness, Showing Collar and Hames. Campbell Lock-Stitched.
 1½ inch Traces and Round Hip Strap.

X-C Japanned, Fancy Nickel, or Imitation Rubber Trimmed..... **\$11.95**

As above, with Collar and Hames, instead of Breast Collar, add \$1.25.

No. 50. Samie Style Harness as No. 49½, but a little better grade, better Collar, extra 65c. A very fine Harness.

With Flat Hip Straps, deduct 30c.



GIG SADDLE—3-inch Japanned Seat and Leather Jockeys, Double Swell Patent Leather Skirts, Enamel Leather Lined Pad, 1-inch Back Bands Raised, Double and Stitched, Patent Leather Covered Hearer Loops.

LINES—With Billet Ends, ¾-inch Black Fronts, 1-inch Russet Hand-parts.

BRIDLE—¾-inch, Box Loop Cheeks and Round Winker Braces, Nose Bands Over-check Rein Solid, Patent Leather Blinds, Square or Sensible, Chain Fronts and Metal Rosettes.

TRACES—1½-inch Raised, Double and Stitched.

SHAFT TUGS—1-inch with Box Loops and Billets, two Folded Belly Bands.

BREECHING—Folded with Straight Layer and Double Box Loop Tugs.

HIP STRAPS—Two ¾-inch Flat.

SLIDE STRAPS—¾-inch with Sewed Leather Loops.

TURNBACK—Scalloped and Raised, Round Dock to Buckle.

HAMES—Japanned Iron, 3½-lbs, with Nickel Band Terrets.

HAME TUGS—1½-inch with Box Loops and Swell Patent Leather Ends.

BREAST COLLAR—Folded, with Layer and Box Loops.

COLLAR—Full Kip, Solid Rim, Fair Belly.

No. 65. Double Buggy Harness. Campbell Lock-Stitched. A Bargain.

1-inch Traces.

X-C Plate or Japanned Trimmed, with Collars..... **\$13.45**

Add for 1½ inch Traces in place of 1 inch, 75c.

Net, cash with order.

If Collars not Wanted, deduct \$1.25.

COACH PADS—Swell, Japanned Plate, Patent Leather Tops, Inserted Patent Leather Housings, with Fancy Scalloped Binding and Mole Skin Bottom, Pad Skirts Double and Stitched, Bearers Double and Stitched.

BRIDLES—¾-inch Box Loop Cheeks and Flat Winker Stays, Patent Leather Square or Sensible Blinds, Flat Over-check, Patent Leather Fronts and Metal Rosettes.

BELLY BANDS—Single Strap.

LINES—All Black, ¾-inch, to Snap in Bit.

TRACES—1-inch, Double and Stitched, attached to Hames.

TURNBACKS—Flat with Round Dock Sewed on.

HAMES—7-lb. Iron with Spread Straps.

COLLARS—No. 50, all Sheep.

CHOKE STRAPS—¾-inch.

POLE STRAPS—1½-inch.



No. 66. Light Double Buggy Harness, with Collars. 1-inch Traces.

X-C Plate or Japanned Trimmed. Campbell Lock-Stitched Traces.

X-C Plate or Japanned Trimmed..... **\$14.97**

If Collars not wanted, deduct \$1.25

Net Cash with Order.

Above also made with Hip Straps, if desired, extra.

For 1½ inch Traces, add 85c.

COACH PADS—Straight Plates with Patent Leather Tops and Mole Skin Bottom, Fancy Leather Binding, Pad Skirts and Bearers Double and Stitched, Billets Single Strap.

BRIDLES—¾-inch, Box Loop Cheeks with Patent Leather Blinds, Square or Sensible, Flat Winker Stays, Over-check Reins Flat, Fancy Patent Leather Fronts and Metal Rosettes.

LINES—All Black with Billets, ¾-inch Fronts, and ¾-inch Hand-parts.

BELLY BAND—1½-inch, Single Strap.

TURNBACKS—Straight, with Round Dock Sewed on.

HAMES—7-lb. Iron with Spread Straps; Hame Tugs with Box Loops, Straight Harness Leather Ends.

TRACES—1-inch, Double and Stitched.

COLLARS—No. 50, Black.

POLE STRAPS—1½-inch.

CHOKE STRAPS—¾-inch.



74 No. 53. Single Strap Buggy Harness. All Plain, No Crease. Campbell Lock-Stitched.
 Fancy Nickel or Imitation Rubber Trimmed. Cut Price.....\$9.75
 With V-Shaped Breast Collar, add 25c. With Collar and Hames in place of Breast Collar, add \$1.25.

SADDLE—2½-inch, Japanned Seat and Patent Leather Jockeys. Solid Single Strap Skirts, ¾-inch Back Bands, Double and Stitched, with Leather Loop, Pad with Enamel Leather Bottoms and Leather Binding.

LINES—To Loop in Bit, 1-inch Black Fronts, 1-inch Russel Hand-parts.

BRIDLE—¾-inch, Box Loop Cheeks and Round Winker Stays, Layer on Crown, Nose Band on Over-check, Patent Leather Blinds, Leather Fronts and Metal Rosettes.

BREAST COLLAR—If Straight, 1½-inch Solid Single Strap with Box Loop Tugs; if V-shaped, 2¼-inch.

TRACES—1½-inch, Solid Single Strap with Scaloped and Raised Points attached to Breast Collar, Rear Ends Double and Stitched.

BELLY BAND—1½-inch, Solid Single Strap, Griffith Style.

SHAFT TUGS—1-inch, with Box Loops.

BREECHING—1½-inch Solid Single Strap with Scaloped Lay, 3-ring Stays and Box Loop Tugs.

TURNBACK—Scalloped and Lined, Round Dock Sewed on.

SIDE STRAPS—¾-inch with Leather Loops Sewed.

HIP STRAP—¾-inch. **HAMES**—Full Japanned, 3½-lbs. **COLLAR**—All Black, Half Patent Leather, No. 108.



No. 54. Single Strap Buggy Harness. Extra Heavy V-Shaped Breast Collar.
 Campbell Lock-Stitched.

Fancy Nickel or Im. Rubber Trim.....\$10.90 As above with Collar & Hames instead of Breast Collar, \$11.50



With 2-in. Straight Breast Collar, deduct 25c.

SADDLE—¾-inch, Japanned Seat and Patent Leather Jockeys, Heavy Single Strap Harness, Leather Skirts, Pad with Enamel Leather Bottoms 1-inch Back Bands, Double and Stitched, with Leather Loops.

LINES—With Billet Ends, 1-inch Black Fronts and 1½-inch Russel Hand-parts.

BRIDLE—¾-inch, Box Loop Cheeks and Heavy Round Winker Braces, Raised Layer on Crown, Over-check Rein with Nose Band, Patent Leather Blinds, Square or Sensible, ¾-inch Chain Fronts and Metal Rosettes.

BREAST COLLAR—If Straight, 2-inch; if V-shaped, 3-inch; Solid Single Strap with ¾-inch Box Loop Tugs.

TRACES—1½-inch Solid Single Strap, with Scaloped and Raised Points, attached to Breast Collar, Rear Ends Double and Stitched.

BELLY BAND—2-inch Single Strap, Griffith Style.

SHAFT TUGS—1-inch, with Box Loops.

BREECHING—1½-inch Solid Single Strap, three Ring Stays with ¾-inch Box Loop Tugs, Scaloped and Raised Lay.

TURNBACK—Scalloped and Raised, with Round Dock Sewed on; one ¾-inch Flat Hip Strap, ¾-inch Side Straps with Leather Loops Sewed.

HAMES—Japanned. 3½-lb. and 1½-inch Traces attached, with Safe. **COLLAR**—All Kip, Fair Belly, Solid Rim.

No. 55. Single Strap Buggy Harness. V-Shaped Breast Collar. Campbell Lock-Stitched.

Plain. No Creasing. Fine Goods.

Nickel or Imitation Rubber Trimmed.

Price.....\$11.60 Net Cash.....\$11.15

With Collar and Hames instead of Breast Collar, add \$1.55. With Straight Breast Collar, deduct 25c.

SADDLE—2½-inch, Japanned Seat, Swell Patent Leather Jockeys, Enamel Leather Pad, Swell Patent Leather Inserted Housing with Leather Binding, Jockeys and Housing Fancy Stitched, Single Strap Skirts, Swing Bracers 1-inch Double and Stitched.

LINES—1-inch throughout to Loop in Bit, either all Black or with Russel Hand-parts, Scaloped Splice.

BRIDLE—¾-inch, Box Loop Cheeks, Round Winker Braces, Over-check with Nose Band, Chain or Leather Fronts, Metal Rosettes, Layer on Crown Sewed on.

BREAST COLLAR—If Straight, 1½-inch; if V-shaped, 2¼-inch; Solid Single Strap with ¾-inch Box Loop Tugs.

TRACES—1½-inch, Single Strap, attached to Breast Collar, with Fancy Scaloped, Beveled and Raised Points, Rear Ends Double and Stitched.

BELLY BANDS—1½-inch, Single Strap, Griffith Style.

SHAFT TUGS—1 inch, with Box Loops.

BREECHING—1½-inch Solid Single Strap with 3-ring Stays and Box Loop Tugs, Fancy Scaloped, Beveled and Raised Lay. One ¾-inch Flat Hip Strap, ¾-inch Side Straps Sewed.

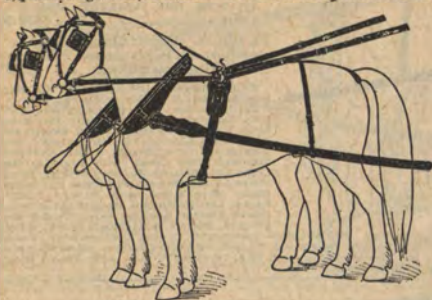
TURNBACK—Fancy Scalloped, Raised, Double and Stitched, Round Dock Sewed on, Japanned Nickel O. Sp. A. **HAMES**—1½-inch Traces attached.

COLLAR—All Kip, Solid Rim, Fair Belly.



No. 67. Double Buggy Harness. With Collar and Hames. Campbell Lock-Stitched.

1½-inch Single Strap Traces. X-C Plate or Japanned Trimmed, Net Cash **\$16.60**



Add for 1½ inch Traces, 70c.

Without Collar, do not add \$1.50.

Nickel or Imitation Hooks & Terrets add 25c extra.

COACH PADS—Straight Plate with Raised Patent Leather Tops, Swell Pads with Patent Leather Tops and Enamel Leather Bottoms, Fancy Colored Leather Roll Binding, Pad Skirts Double and Stitched, Bearers and Billets Single Strap.

BRIDLES—¾-inch Box Loop Cheeks, Patent Leather Blinds, Square or Sensible, Round Winker Braces, Solid Over-check, Chain Fronts and Metal Rosettes.

BELLY BANDS—Folded.

LINES—¾-inch, Black Fronts, with Billets, 1-inch Russet Hand-parts.

HAMES—7-lb. X-C. or Japanned, with Spread Straps, 1½-inch Single Strap Traces attached to Hames with Safe.

TURNBACKS—Straight with Round Dock Sewed on, ¾-inch Hip Straps.

COLLAR—No. 100 all Black.

POLE STRAPS—1½-inch.

CHOKE STRAPS—¾-inch.

No. 68. Double Buggy Harness. With Collar and Hames. Campbell Lock-Stitched.

1½-inch Traces. X-C Plate or Japanned **\$17.55**

With 1½-inch Traces, add 75c

If Collar is not wanted, deduct \$1.55

Fancy Nickel or Imitation Rubber Hooks, Terrets and Buckles, add 35c.

COACH PADS—No. 3 Racket, Japanned Plates, Double Swell Heavy in Center, with Patent Leather Tops, Inserted Patent Leather Housings, with Scalloped Binding, Pads with Leather Bottoms, Skirts Double and Stitched, Bearers and Billets Single Strap, Folded Belly Bands.

LINES—¾-inch, Black Fronts with Billets, and 1-inch Russet Hand-parts.

BRIDLES—¾-inch Box Loops, Cheeks with Patent Leather Blinds, Square or Sensible, Round Winker Braces, Solid Over-checks with Nose Bands, Fancy Chain Fronts and Metal Rosettes, Layer Sewed on Crown.

TRACES—1½-inch, Double and Stitched.

TURNBACKS—Straight with Round Dock Sewed on.

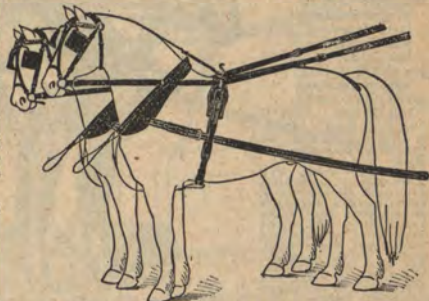
HAMES—7-lb. Iron with Spread Straps.

HAME TUGS—1½-inch, with Box Loops and Straight Harness Leather Ends.

COLLARS—All Black No. 100.

POLE STRAPS—1½-inch.

CHOKE STRAPS—¾-inch.



No. 69. Double Buggy Harness. Collar and Hames. Campbell Lock-Stitched.

Heavy 1½-inch Traces. Very Fine Goods. Nickel or Imitation Rubber Trimmed **\$24.50**

If Collars not wanted, deduct \$7.50

Add also made with Hip Straps, 75c extra, or Breaching if desired extra, \$2.75.

Net Cash With Order.



COACH PADS—Straight Plate with Raised Patent Leather Tops, Housing extra long. Pad full length of Housing, Housing with Double Swell with Binding and Raised Bead, Plain or Fancy Color Pad Swell with Patent Collar Leather Bottoms, Pad Skirts, Bearers and Billets all made out of Solid Single Strap Harness Leather Folded Belly Bands.

LINES—1-inch Black Fronts, with Billets, Hand-parts 1½-inch Russet or Black, Layer on Hand-parts scalloped.

BRIDLES—¾-inch Box Loop Cheeks, with Square Patent Leather Blinds with three rows stitching, scalloped Layer on Crown, heavy round Winker Braces, Over-checks solid with Nose Bands, all Leather Fronts with Oval Raised Lay, Darnold Rosettes.

TURNBACKS—Fancy scalloped, raised and stitched, with heavy round Dock sewed on.

HAMES—7-lb. Iron, Japanned Body, Nickel Composition Band Terrets and Nickel Double Anchor Draft Eyes, with Spread Straps, 1½-inch Heavy Single Strap Traces attached with outside Clips and Harness Leather Inserted Sides, rear ends of Traces Double and Stitched.

COLLARS—No. 146 Half Patent Leather. Solid Rim and Fair Belly.

POLE STRAPS—1½-inch.

CHOKE STRAPS—1-inch.

No. 5016S. Double Spring Wagon Harness with Hipstraps.

Campbell Lockstitched
Full Japanned Trimmed
No. 5016S. Double Spring Wagon
Harness, full Japanned, less
Collars.....\$20 55

No. 5016SS. Double Spring Wagon
Harness, full Japanned, with
Breeching, less Collar.....\$22 65

We recommend Collar No. 54 with this Harness; see page 79 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 1x10, with Buckles and Covert Snaps. HAME—Oval Iron Trimmed Wood Coach, with Tugs 1 $\frac{1}{2}$, Box Loops and Champion No Loop Buckles, Breast Straps 1 $\frac{1}{2}$ -inch Sewed, with Snaps and Slides, Choke Strap 1-inch with Billets. PADS—Racket, Leather Bottoms, inserted Fancy Broad Patent Leather Housing, Skirts Double and Stitched, Bearers Solid Single Strap, Billets

1-inch Sewed, Folded Belly Bands with 1-inch Roller Buckles. TURNBACKS— $\frac{1}{2}$ -inch with 1 $\frac{1}{2}$ -inch Crupper Body. Round Docks with Buckles. Hipstraps $\frac{1}{2}$ -inch, Flat. TRACES—1 $\frac{1}{2}$ -inch, Double and Stitched, with Clip Cockeys, unless otherwise ordered. BREECING—Folds 1 $\frac{1}{2}$ inches. Layer $\frac{1}{2}$ -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. 6503S. Double Spring Wagon Harness with Hipstraps.

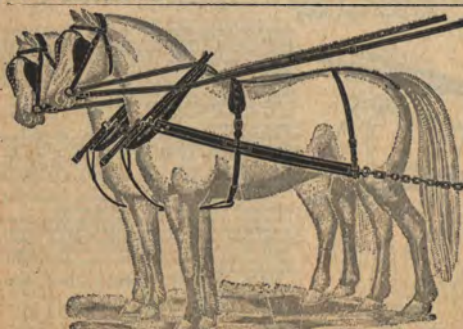
Campbell Lockstitched.
Full Japanned Trimmed.

No. 6503S. Spring Wagon Harness, full Japanned, with Breeching, less Collars.....\$22 15

No. 6503SS. Spring Wagon Harness, full Japanned, less Collars.....\$24 95

We recommend Collar No. 54 with this Harness. See Page 79 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 Saddle Bits. LINES—1-inch Black Front, Russet Handparts 1 $\frac{1}{2}$ -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 $\frac{1}{2}$ -inch with inserted scalloped Sae, Champion Trace Buckle. TRACES—Double and Stitched 1 $\frac{1}{2}$ -inch, Hand-Raised with Clip Cockeys unless otherwise ordered. PADS—Victory, Leather Bottoms, Fancy Shaped and Bound 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 $\frac{1}{2}$ -inch Body, Round Docks to Buckle, Return Buckles on Hipstraps at Trace Ends. BREECING—Folded, with 1-inch Scalloped Layer, Turnback 1-inch with 1 $\frac{1}{2}$ -inch Crupper Body, Round Docks to Buckle, two Hipstraps $\frac{1}{2}$ -inch, Side Straps $\frac{1}{2}$ -inch Sewed in Breeching Rings and to Snap in Choke-strap Rings. Both of above made with Brass, Hames, Hooks, Terrets, Fronts and Rosettes, all Buckles Japanned, or Full Brass Trimmed, \$2 65 extra.



No. 6507S. Short Tug Team Lead Harness.

Campbell Lockstitched. X-C Trimmed.
No. 6507S. X-C Trimmed, less
Collars; Net.....\$15 95

No. 6507SS. X-C Trimmed, less Collars with Breeching.....\$16 95

We recommend Collar No. 54 with this Harness. See page 79 for description and price.

BRIDLES— $\frac{1}{2}$ -inch, Flat Reins, Pigeon Wing or Sensible Blinds, Round Braces, LINES— $\frac{1}{2}$ -inch by 19 feet, with Buckles and Snaps. HAME—Iron Overlap, all Black Spread Straps $\frac{1}{2}$ -inch, with Rings, Hamestraps $\frac{1}{2}$ -inch, Breast Straps, 1 $\frac{1}{2}$ -inch with Snaps and Slides. Yoke Straps, 1 $\frac{1}{2}$ -inch. TRACES—Folded with 1 $\frac{1}{2}$ -inch Layer, Hooks at Rear End with Bolt Chains. PADS—Plain Harness Leather, Shaped and Pelt Lined, 1-inch Layer, Double and Stitched Return Billets to go around Trace. BACK STRAP—Solid 1 $\frac{1}{2}$ -inch running to Hames, 1-inch Hinge Straps, Folded Dock to Buckle. BREECING—Folded with 1-inch Layer, $\frac{1}{2}$ -inch Hipstraps, $\frac{1}{2}$ -inch Side Straps, Back Strap 1-inch. Made also with Folded Pads if desired.



No. 65118. Long Tug Team Lead Harness.

Campbell Lockstitched,
Full X-C. Trimmed.

No. 65118. X-C Trimmings,
less Collars with Hitch
Straps, Net. Cut Price.....\$19 95

No. 65118S. X-C Trimmings,
less Collars with Breach-
ing, Net. Cut Price.....\$21 85.

We recommend Collar Nos. 64 or 111
with this Harness. See page 79 for
description and price.

BRIDLES— $\frac{1}{2}$ -inch, Concord or
Pigeon Wing Blinds, Round Braces, Flat
Reins. LINES—1-inch by 18 feet, with
Buckles and Snaps. HAMES—All
Black, Hame Tug, Champion 3-Loop
Buckles, $\frac{1}{4}$ -inch Spread Straps with
Rings, Hame Straps $\frac{1}{4}$ -inch, Breast
Straps $\frac{1}{4}$ -inch with Lone Star Snap
Buckles and Slides, Yoke Straps $\frac{1}{4}$ -
inches sewed. TRACES— $\frac{1}{4}$ -inch,
Double and Stitched, with Clip Cockeyes
riveted on. PADS—Flat Harness Leath-
er. BREACHING—Folded with 1-inch Layer,
Double Hipstraps $\frac{1}{4}$ -inch, Backstraps 1-inch, Side strap $\frac{1}{2}$ -inch, Trace Supports $\frac{1}{4}$ -inch.

er. Shaped, Felt Lined. $\frac{1}{4}$ -inch Return Billets, Belly Bands, Flat $\frac{1}{4}$ -inch. TURNBACKS—Solid $\frac{1}{4}$ -inch to Hames, 1-inch
Hipstraps with Snaps, Cooper's Trace Carriers, with Safe, Folded Dock to Buckle. BREACHING—Folded with 1-inch Layer,
Double Hipstraps $\frac{1}{4}$ -inch, Backstraps 1-inch, Side strap $\frac{1}{2}$ -inch, Trace Supports $\frac{1}{4}$ -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. Cut Price.....\$22 55

No. 65138S. Long Tug Team Lead
Harness, X-C. Trimmed, with
Breachling, less Collars.
Cut Price.....\$24 55

Net cash with order.

We recommend Collar No. 130 with this
Harness. See page 79 for description and price.

BRIDLES— $\frac{1}{2}$ -inch, Round Gag Reins,
Sensible Blinds, Round Forked Braces, Harness
or Red Patent Leather Fronts, Double and
Stitched, Cheeks Lock Stitched, X-C. Ring
Bits. LINES—1-inch by 18 feet, with Buckles
and Snaps. HAMES—All black, Combination
Loops, Hame Tugs $\frac{1}{4}$ -inch, Champion Buckles,
Spread Straps $\frac{1}{4}$ -inch, Hame Straps $\frac{1}{4}$ -inch,
Breast Straps, $\frac{1}{4}$ -inch, with Snaps and Slides,
Yoke Straps, $\frac{1}{4}$ -inch, Sewed. TRACES—
 $\frac{1}{4}$ -inch, Straight, Double and Stitched, with
Clip Cockeyes. PADS—Perfection or Moline,
Patent or Harness Leather Housings, Skirts Folded, with $\frac{1}{4}$ -inch Return Billets; Belly Bands Folded. TURNBACKS—
1-inch, Hip Straps, 1-inch, Scalloped Sides and Snaps on Top, Cooper's Trace Carriers, Folded Dock to Buckle. BREACH-
ING—2-inch Fold, 1-inch Layer, $\frac{1}{4}$ -inch Double Hip Straps, $\frac{1}{4}$ -inch Side Straps with Snaps, Tugs
with Sides. 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 Housings, $\frac{1}{4}$ -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. Cut Price.....\$23.45

No. 65158S. Long Tug Team Lead
Harness, X. C. Trimmed, with
Breachling, Less Collars, Net
Cash with order. Cut Price..... 25.55

We recommend Collar No. 130 with this Har-
ness, see Page 79 for description and price.

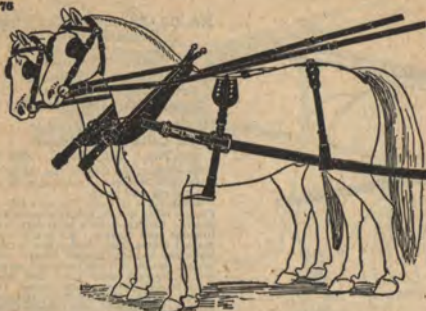
Our Team Harness Are All Very Fine.

BRIDLES— $\frac{1}{2}$ -inch, Concord Leather Blinds,
Round Forked Braces, Round Gag Reins, Double
and Stitched Harness or Red Patent Leather
Fronts, Bits. LINES—1-inch by 18 feet, with
Buckles and Snaps. HAMES—Red, X. C. Ball
Top Clip Tugs, $\frac{1}{4}$ -inch, folded, with Layer and
Laced Box Loops, 3 Loop Champion Buckles, $\frac{1}{4}$
Spread Straps— $\frac{1}{4}$ Hame Straps, Breast Straps,
 $\frac{1}{4}$ -inch, Sewed, with Snaps and Slides. Yoke
Straps $\frac{1}{4}$ -inch, Sewed. TRACES— $\frac{1}{4}$ -inch,
Double and Stitched, with Clip Cockeyes. PADS
—Perfection or Moline, Skirts Folded, with $\frac{1}{4}$ -
inch Return Billets; Belly Bands Folded. TURNBACKS—
1-inch, Hip Straps, 1-inch, Scalloped Sides and Snaps on Top, Cooper's Trace Carriers, Folded Dock to Buckle. BREACH-
ING—2-inch Fold, 1-inch Layer, $\frac{1}{4}$ -inch Double Hip Straps, $\frac{1}{4}$ -inch Side Straps with Snaps, Tugs
with Sides. 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 Housings, $\frac{1}{4}$ -inch Return Billets.



inch Return Billets, Belly Bands Folded.
Sides and Snaps, Folded Dock to Buckle.
straps with Snaps, Sides under Hipstraps.

TURNBACKS— $\frac{1}{4}$ inch with Cooper's
BREACHING—2-inch Fold, 1-inch Layers, $\frac{1}{4}$ -inch Double Hipstraps, $\frac{1}{4}$ -inch Side-
Both of above furnished with Turtle Pads Stuffed Bottom, if so ordered.



PADS—Folded with Layer and Patent Leather, Inserted Housings with Ornaments all around. **TURNBACKS**—1½-inch solid to Hames, Cooper's Trace Carriers with Safes, Hipstraps, 1-inch, with Scalloped Safes and Spots. **BRECHING**—Backstrap 1½-inch to Hames, Folds 2-inch, Layer 1-inch, Double Hipstraps ¾-inch, Side Straps ¾-inch. Both of above Harness furnished with Plain Folded Pads, no Housings and Low Top Hames if so ordered.

No. 652358. Long Tug Team Wheel Harness.

Campbell Lockstitched.
Full X-C Trimmed.
Made with Breaching only,
as shown in cut.

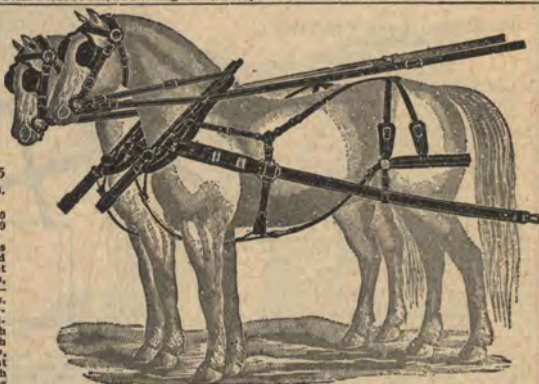
No. 652358. Long Tug
Team Wheel Har-
ness, X-C Trimmed,
with Breaching, less
Collars.

Cut Price.....\$22.85

This is a Splendid Harness.
Net Cash. No Discount.

We recommend Collar No. 140
with this Harness. See Page 79
for description and price.

BRIDLES—¾-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 Combi-
nation Loops. **TUGS**, 1½-inch
Flat, Double and Stitched, with
Market Tugs sewed in with Safes,
Jointed Concord Clips, Breast
Straps 1½-inch Sewed, with
Snaps and Slides. **YOKE STRAPS**
1½-inch Sewed, with Ring in End
for Side Straps. **TRACES**—1½-inch, Double and Stitched, with Clip Cockeys. **BRECHING**—Folds 2 inch, 1-inch Layer. ¾-inch Hipstraps, ¾-inch Side Straps, Safes under Tugs, Back Straps Double, ¾-inch to run to Ring in Market Tugs and to Hames, Trace Supports ¾-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.

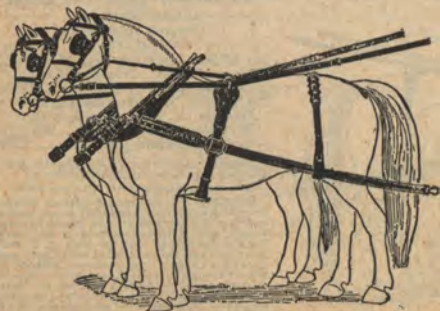
No. 65258 Long Tug Team Lead
Harness X-C Trimmed, less
Collars.....\$24.95

No. 65258. Long Tug Team Lead
Harness, X-C Trimmed, with
Breaching, less Collars.....\$26.95

A Handsome Harness and a Splendid
Bargain, 1½-inch Traces on Above only
\$1.25 Extra. Net cash.

We recommend Collar No. 140 with this
Harness, see page 79 for description and price.

BRIDLES—¾ inch, Harness Leather Sensible
Blinds, Round Forked Braces, Fronts Double
and Stitched, Round Gag Reins. **LINES**—1x18,
with Buckles and Snaps. **HAMES**—X-C Over-
and Combination Loops. **TUGS** Folded,
with Laced Boxed Loops, 1½-inch Belly Band Billets
attached, Breast Straps, 1½-inch Sewed, with
Snaps and Slide, Yoke Straps, 1½-inch Sewed,
¾-inch Spread Straps with Rings, ¾-inch
Hame Straps. **TRACES**—1½-inch Double and
Stitched, Clip Cockeys riveted on. **PADS**—
Turtle, Harness Leather Tops, Stuffed Bottoms,



Hooks and Terrets, Skirts Folded, with 1½-inch Return Billets. TURNBACKS—1½-inch with Cooper's Trace Carriers with
Scalloped Safes and Spots, 1½-inch Hipstraps. **BRECHING**—Folds 2-inch, Layers 1-inch, Hipstraps Double ¾-inch, Back-
straps 1½-inch, ¾-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 1½-inch Traces furnished at extra cost of \$1.25.

WINDSOR, Mo., March 28, 1904.—Hapgood Plow Co., Alton, Ill.—GENTS: I received the No. 290 buggy and the No. 106-S Harness the 28th inst. Both were in good shape and I am more than pleased with my buggy. I saved \$15.00 by buying from you. I think I can send you some buyers later on. Thanking you for your kind treatment, I remain
Yours truly,
R. A. WILLIS.

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No. 6533S.

Long Tug Concord Lead Harness.

Campbell Lockstitched.
Full X. C. Trimmed.

No. 6533S, X. C.
Trimming, less
Collars.

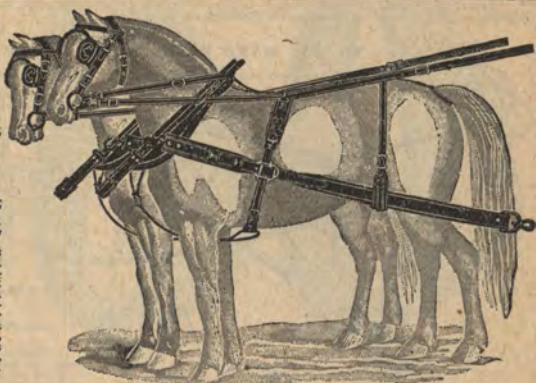
Cut Price.....\$21.65

No. 65335S, X. C.
Trimming, less
Collars, with
Breeching.

Cut Price.....\$23.75

We recommend Collar No. 140 with this Harness. See Page 79 for description and price.

BRIDLES— $\frac{3}{4}$ -inch. Harness Leather Sensible Blinds, Round Fork Braces, Black or Red Patent Leather Fronts, Short Flat Reins. LINES— $\frac{3}{4}$ x 18 feet, with Buckles and Snaps. HAMES—Black Iron Overtop, Combination Loops, Hame Tugs $\frac{1}{4}$ -inch Straight Double and Stitched, 3 Loop Champion Buckles, with $\frac{1}{4}$ -inch Belly Band Billets, Breast Straps $\frac{1}{4}$ -inch, with Snaps and Sildes. Yoke Straps $\frac{1}{4}$ -inch, Spread Straps, $\frac{3}{4}$ with Rings, $\frac{3}{4}$ -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 1-inch with Spots. TRACES—Concord 2-inch bodies, Single Strap, Points $\frac{1}{4}$ -inch Double and Stitched, with Triangular Cockeys.



No. 6538S. Double Truck Harness, with Breeching.

Cam bell Lockstitched.
Full Japanned Trimmed.

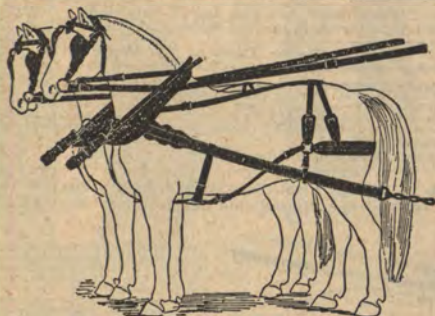
No. 6538S. Double Truck Harness
with Hip Straps, Full Japanned,
less Collars.....\$25 95

No. 65385S. Double Truck Har-
ness, with Breeching, Full Ja-
panned, Less Collars.....\$27 95

We recommend Collar No. 170 with this
Harness. See Page 79 for description and
price.

These Are Fine Goods. Net. No Discount.

BRIDLES— $\frac{3}{4}$ -inch Cheeks, with Roller Buckles and Short Loops, Pigeon Wing Blinds, Cupped with Steel Plates. Round Fork Braces, Double and Stitched Harness Leather Fronts, Leather Rosettes, Short Flat Reins. LINES—Hand Sewed, 1 x 18, with Billets and Snaps. HAMES—Oiled Concord Bolt, with Combination Loops, Breast Straps $\frac{1}{4}$ -inch Hand Sewed, with Snaps and Sildes, Choke Straps $\frac{1}{4}$ -inch with Collar Strap, Ring at Rear End, $\frac{3}{4}$ -inch Spread Straps with Hinged, with Jointed Concord Clip, Scallop Inserted Sides, 12-inch Coppered Heel Chains, Belly Band Billets, $\frac{1}{4}$ -inch. BREECHING—Fold 2-inch, Layer $\frac{1}{4}$ -inch, 1-inch Double Back Straps Running to Ring in Hames, $\frac{3}{4}$ -inch Double Hip Straps with Tug Sides, 1-inch Side Straps to Snap in Yoke Strap Rings, $\frac{3}{4}$ -inch Trace Supporters. 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 $\frac{1}{4}$ -inch Traces with $\frac{1}{4}$ -inch Belly Band Billets, if so ordered, at extra cost.



Wood Rings, Hame Straps, $\frac{3}{4}$ -inch, Sewed. TRACES— $\frac{1}{4}$ -inch, attached to Hames, with Jointed Concord Clip, Scallop Inserted Sides, 12-inch Coppered Heel Chains, Belly Band Billets, $\frac{1}{4}$ -inch. BREECHING—Fold 2-inch, Layer $\frac{1}{4}$ -inch, 1-inch Double Back Straps Running to Ring in Hames, $\frac{3}{4}$ -inch Double Hip Straps with Tug Sides, 1-inch Side Straps to Snap in Yoke Strap Rings, $\frac{3}{4}$ -inch Trace Supporters. 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 $\frac{1}{4}$ -inch Traces with $\frac{1}{4}$ -inch Belly Band Billets, if so ordered, at extra cost.

Send For Special Harness Catalogue and Our Handsome Buggy Catalogue in Colors.

GREENVILLE, ILL., Aug. 23d, 1904.—Hapgood Plow Co., Alton, Ill.—GENTLEMEN: I want to write you and tell you how I like my Harness. I am well pleased with it. The neighbors say I could not get the harness here less than \$16.00, and it only cost me \$11.95, freight included. I will do what I can to further your interests in this community, as I am well pleased with the Harness.
Yours truly,
GEORGE METZGER.

VANDALIA, Mo., April 13, 1904.—Hapgood Plow Co., Alton, Ill.—DEAR SIR: Your letter of recent date at hand, also the draft for \$1.00 received. I will say in reply that while the neckyoke straps I ordered were not on your bill, they were with the harness, and as I have the straps the dollar is yours; therefore I will return the draft for the \$1.00 you sent me. I received bitch straps and rings to-day. Accept my thanks for same, also for the careful manner in which you filled my order. I am well pleased with both sets of harness you sent me.

Your carefulness in shipping goods, your promptness in filling orders, and your honesty in dealing with your customers, should bring you the great success you deserve.
Your efforts have been appreciated by me.

Yours Respectfully,
T. S. EICHOR.

HAND MADE HARNESS.

WE can only show one or two cuts on this page and give you descriptions of several styles. We would kindly ask you to send for our Special Catalogue before buying. In this you will find a large and complete line of Hand Made Harness that will please you, and at the prices they cannot be duplicated any place.

No. 154. HAND MADE SINGLE STRAP BUGGY HARNESS.



This is a heavy buggy harness, cut heavy all through. A splendid harness for heavy buggies, phaetons and for hard usage. BRIDLES— $\frac{1}{2}$ -inch Round Cheek, Round Winker Stays, V-Shaped Breast Collar not shown in cut. TRACES— $1\frac{1}{2}$ -inch Raised Points. (You will recognize this is a heavy trace for single harness) BREECING— $1\frac{1}{2}$ -inch, SIDE STRAPS— $\frac{1}{2}$ -inch. HIP STRAPS— $\frac{1}{2}$ -inch. BACK STRAPS— $\frac{1}{2}$ -inch. Raised Points. No 6 Saddle, $3\frac{1}{4}$ inch, Single Strap Skirts. Swell Leather Pads. BELLY BANDS—Folded with Layer, Griffith Wrap. SHAFT TUGS—1-inch, double and stitched. LINES—1-inch, with $1\frac{1}{2}$ -inch Hand-Parts. (This you will recognize is a very good line). Spring Billees. No Tie Strap.

Imitation Rubber Trimmed.....\$12.95

No. 164. Nickel Trimmed..... 13.20

No. 404. DOUBLE BUGGY HARNESS.

Good Strong Serviceable Harness With Blinders.

BRIDLES— $\frac{1}{2}$ -inch Cheeks, Round Winker Stays. HAMES—Iron. TRACES— $1\frac{1}{2}$ -inch, 7-ft. Single Strap. PADS—No. 408 Patent Leather Jockeys, Leather Bottoms, Beaded Hoopings, Skirts, Single Strap, Folded Belly Bands. BACK STRAPS— $\frac{1}{2}$ -inch, Scalloped, Wave Stitched.

Stuffed Cruppers. LINES— $\frac{1}{2}$ -inch, with 1-inch Hand-Parts. BREAST STRAPS— $1\frac{1}{2}$ -inch, Martingales, $\frac{1}{2}$ -inch. COLLARS— $\frac{1}{2}$ Patent Leather.

No. 404. Nickel or Imitation Rubber Trimmed.....\$24 65

No. 504. Nickel or Imitation Rubber Trimmed, with 1-inch lines and $1\frac{1}{2}$ -inch Hand-Parts, 1-inch Martingales, little heavier all the way through..... 24 95

No. 1254. Made With Muller Plates in Hame Tugs, at the Same Price.

This is a Fine Quality of Team Harness, Suitable For All Ordinary Team and Farm Work.

BRIDLES— $\frac{1}{2}$ inch Cheeks, Round Winker Stays, Sensible Blinds, Face Piece. HAMES—No. 91 Steel Clad Clip, Ball Top (Bolt Hames, \$1.00 less). HAME TUGS—"Double Grip" Buckles, Billees, $\frac{1}{2}$ -inch. TRACES— $1\frac{1}{2}$ -inch by 6-ft. double and stitched. BACK STRAPS—1-inch Hip Straps, $\frac{1}{2}$ -inch Shoulder Straps, Trace Carriers. BREECING—folded with Layer, Side Straps, 1-inch Box Loop Tugs. LINES—1-inch by 20-ft. with Snaps. BREAST STRAPS— $1\frac{1}{2}$ -inch with Snaps; Martingales, $1\frac{1}{2}$ -inch. Collar Straps, $\frac{1}{2}$ -inch. Collars not included in the price but furnished with Tie Straps, Snaps, and Spread Straps and Rings.

No. 1254. X. C. Trimmed, without Collars.....\$31.65

No. 1255. Japanned with Brass Ball Hames and Rosettes..... 33.65

No. 314. A Strictly First-Class Team Harness, Made With Extra Check Straps, Round Side Check Reins. Very Fine.



BRIDLES— $\frac{1}{2}$ -inch Cheeks, Round Reins and Winker Stays, Nose Piece. HAMES—No. 91 Steel Clad Bolt, Ball Top (Clip Hames, \$1.00 less). HAME TUGS—"Double Grip" Buckles, Billees, $1\frac{1}{2}$ -inch. TRACES— $1\frac{1}{2}$ -inch by 6-ft. Double and stitched. BACK STRAPS—1-inch Hip Straps, $\frac{1}{2}$ -inch Shoulder Straps, Trace Carriers. BREECING—Folded with Layer, Side Straps, 1-inch, Box Loop Tugs. LINES—1-inch by 20-ft. with Snaps. Martingales, $1\frac{1}{2}$ -inch, Collar Straps, $\frac{1}{2}$ -inch. Collars not included in the price, but furnished with Tie Straps, Snaps, Spread Straps and Rings.

No. 314. Japan Trimmed Clip Straps.....\$31.35

No. 315. X. C. Trimmed with Bolt Hames, 32.45

Made Also with Muller Hame Tug Plates at Same Price, if Wanted.

P. S.—DO NOT FORGET TO SEND FOR OUR SPECIAL CATALOGUE SHOWING A COMPLETE LINE OF HAND AND MACHINE MADE HARNESS. WE GUARANTEE WE CAN PLEASE YOU AND SAVE YOU MONEY.

Remember that our hand-made harness are all oak tanned leather, put up by strictly first-class workmen. The above cuts do not fully represent the harness. We want you to send for our special catalogue of hand-made harness with exact cuts and descriptions.



No. 510.



No. 1110.



No. 1770.



No. 20.



No. 540.



No. 1070.

COLLARS.

No. 20. Solid split rim and split back, tick belly. Price, each..... 72c.

No. 510. Team split back and rim, leather face. Price, each..... 95c.

No. 540. Heavy team solid split rim and back, with hame chafe, leather belly trimmed with two seams, one of them thong sewed and sole leather pads. Price, each..... \$1.18

No. 1110. Solid rim imitation Scotch, full kip, fair belly back with hame chafes. Price, each..... \$1.52

No. 350. Heavy imitation Scotch, full kip solid rim hame chafes on back, sole leather pads, wool face. Price each..... \$1.67

No. 1770. Extra heavy imitation Scotch, full kip solid rim and back, sole leather pads, fair belly, wool face. Price, each..... \$1.97

No. 1000. Buggy, all black sheep skin. Price, each..... 98c.

No. 1070. Full kip solid rim, hame chafes on back and fair belly. Price, each..... \$1.37

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 other Mail Order House in the United States, and our facilities are unexcelled by any one. 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.



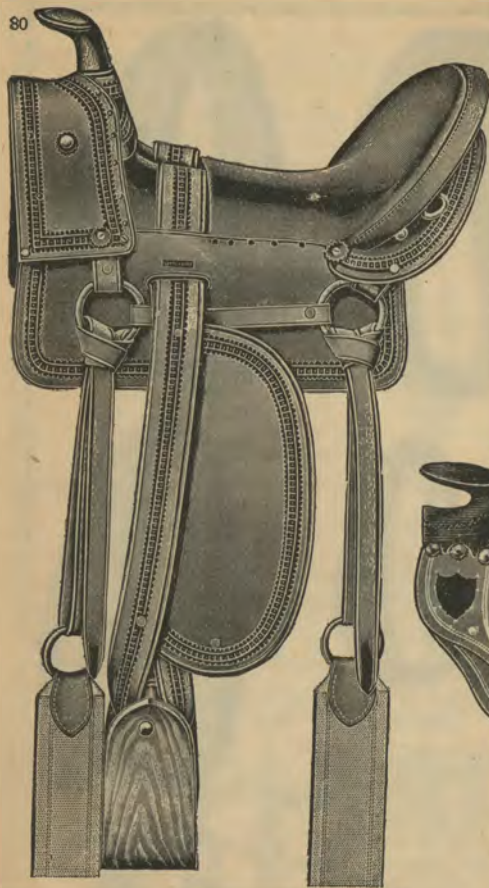
No. 350.



No. 1000

SADDLES

NOTICE.—When you write us, please state in what paper you saw our advertisement, as we wish to give our newspaper friends proper credit. Also to learn for ourselves what papers bring us the business.



No. 8120. STEEL FORK.

Omaha Tree, 14 inches, with Steel Fork, Leather Covered Bars, 2-inch Stirrup Leathers, 20 Strong String Girths, Texas Style, Cheyenne Roll Cantle. Penders, 7½x15, 4-inch Texas Stirrups.

Price \$10.15
Bargain Price to Introduce 8.60

No. 8400. Horn Texas Saddle, White Winged, 15 inch Cy-rano Tree Hide Covered, Steel Fork, White Latigo Leather Covered Bound Cantle, Gullet Binding Neck and Rings, Stamped Seat and Front Piece. Balance all Plain, Full Solid Seat and Jockey in One Piece. Skirts Wool Lined, 26x13. Stirrup Leathers, 2½ inch. Laced and Lined; Penders, 8½x16. Tie Straps, 1½ inch; Off Billets, 1½ inch. Iron Strainers.

Price \$22.00 Bargain Price to Introduce \$18.55

No. 8150. Special Omaha Tree, 14 inch Steel Fork, with Solid Seat, and Jockey all of One Piece, Covered Rings, Leather Cheyenne Roll Cantle, Rear Girth Straps, Clear Around Cantle, Tie Straps, 1½ inch; Billets, 1½ inch; Stirrup Leathers, 2-inch Double Lined; Penders, 8x15½; Skirts, 12x23; Iron Strainers.

Regular Price \$15.00 Bargain Price to Introduce, \$10.95



No. 7150. HORN MORGAN.

217 Horn Morgan Tree, Full Covered, Bound and Stitched Cantle, Full Seat, Leather Covered Bars, 3-inch Back Band Ring Girths, 3-inch Bent Stirrups, Round Skirt. Penders, 8x15, 1½ inch Stirrup Leathers.

Net Cut Price \$4.95

Send for Big Special Catalogue of Harness and Saddles. Above Are a Few Bargains to Introduce.

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, Oct. 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.

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.

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.

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., Alton, Ills.

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. 2. Best Woodwork. Regular Finish. Price, \$10.00
Finished in Oak or Walnut.

PRINCESS.

It possesses all modern improvements, and its mechanical construction is such that in it are 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 (screw plates, etc.) are highly polished and nickel plated. The bed plate is let into the wooden table, so that the surface 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 8 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 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. 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 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 the operator except to keep the treadle moving.

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 unloosening 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 the 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 "plane 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 a Kuffer, Tucker, Binder, Braider, Foot, Under Braider, Slide Plate, Shirring 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. 2. 3-Drawer, Extra Finish.....	\$16 00
No. 4. 5-Drawer, Extra Finish.....	16 50
No. 7. 7-Drawer, Extra Finish.....	17 00
Drop Head, 3-Drawer.....	17 50
Drop Head (see cut) 5-Drawer.....	18 25
Drop Head, 7-Drawer.....	18 50
Cabinet Sewing Machine.....	22 75

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 83

Our "Extra" 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.



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. This cut shows our Beauty Automatic Drop Head Machine with ball bearings in Colonial Case. A most beautiful piece of furniture and an ornament to any room. Absolutely.

guaranteed. Equal to any \$60 machine on the market. If not, return it to us at our expense and we will refund your money. It is a Beauty in every particular.

PRICE LIST.

Princess or Beauty, 3-Drawer Automatic Drop Head	\$22 50
Princess or Beauty, 5 " " " "	23 50
Cabinet, \$23.75. We guarantee these prices can not be duplicated any place.	

We can furnish a cheaper machine with this same style of case at considerable less money, but we cannot imagine why any one should spend his money for a handsome case and put a cheap machine head into this case, yet we know other manufacturers do this very thing.

The handsomest case that could be made would be practically worthless unless the works went with it. Do not be deceived by appearances. We guarantee there is no better machine made at any price than our Princess and Beauty.

CHARTERLTON, Ill., July 27, 1900—Hagood Plow Co., Alton, Ill.—Gentlemen: Having used one of your Beauty Sewing Machines for nearly a year, I can say that it gives entire satisfaction. My friends and neighbors have used the machine, and say truly it has the right name. I can do more work in one afternoon than I could in one day on the old machine at home. The Beauty is a beauty.
Signed,
MRS. MOLLIE BRADLEY.

OUR BEAUTY With Drop Head and Ball Bearing Stand,

is a beauty in workmanship and finish, easy running and noiseless, and just look at our prices:

3-Drawer Drop Head	.....	\$18 25
5 " " "	.....	18 80
7 " " "	.....	19 45
3-Drawer, Regular.	.....	17 00
5 " " "	.....	17 50
7 " " "	.....	18 00

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:

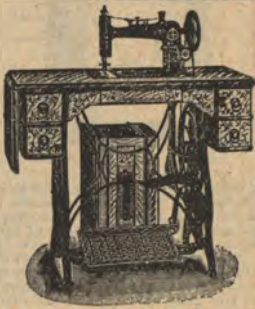
First: The description of the Tension, Take-up Shuttle, Needle Bar, Bobbin Winder, Wearing Parts, Cabinet Work, Stand, Attachments, and Accessories are all the same, and will apply to this machine, so that duplicate description is not necessary.

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, \$40. Our Price, \$32.00. 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 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.

STEEL RANGE DEPARTMENT.

Why is it that we sell hundreds of Steel Ranges every month? Thousands every year? Let us tell you. It's 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.

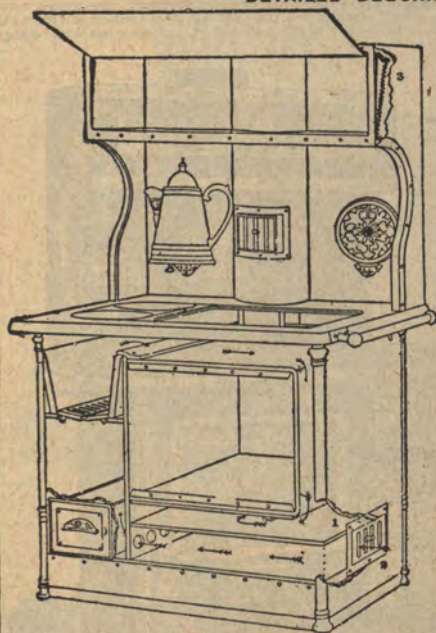
SEND FOR SPECIAL STOVE CATALOGUE FREE.

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

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-

cumulate 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.

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 "Q." 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 Encaused Reservoir on either right or left-hand side, like cut, Page —. We can furnish this Range, 4-Hole Sizes as follows:



Nickel Plated Copper, Pocket Reservoir.

7-16" ————— @ \$31 00 } With Reservoir,
 8-16" ————— @ 31 50 }
 9-16" ————— @ 32 50 }



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	16½ x 20½ x 18½	33 x 27	400 pounds.	\$38 50.
8-18	6 8-inch	16½ x 20½ x 18½	33 x 27	400 pounds.	38 50
9-20	6 8-inch	18½ x 20½ x 18½	35 x 27	425 pounds.	39 00
9-20	6 9-inch	18½ x 20½ x 18½	35 x 27	425 pounds.	40 00
9-22	6 9-inch	20 x 22 x 14	37 x 28	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.

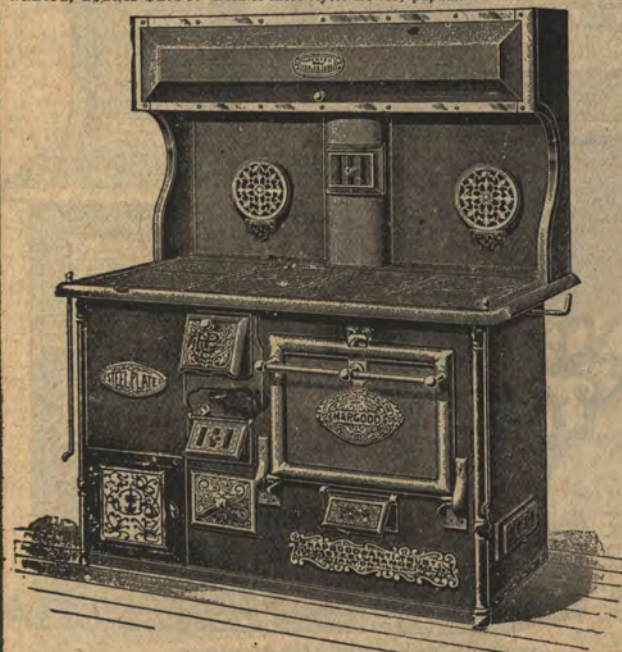
STYLE E, 6-HOLE, DOUBLE-FLUE HOT BLAST, ANTI-TRUST STEEL RANGE WITH

HIGH CLOSET, ENCASED 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 style 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 in 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.



Price List of Range as Described With High Closet.

No.	Cooking Holes	Size of Oven.	Shipping Weight	Top Cooking Surface	Price.
8-20	6 8-inch 4 9-inch 2 8-inch	18 1/2 x 20 1/2 x 13 1/2	450 lbs.	47 x 27	\$40 00
9-20		18 1/2 x 20 1/2 x 13 1/2	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.

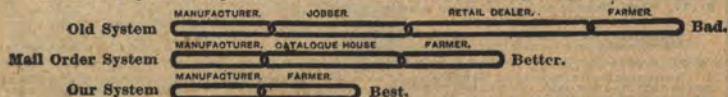
The slick tongued Gentleman traveling through the Country selling Ranges from Wagons at \$65 and \$70 apiece. Do not allow yourself to be humbugged. Our Range will only cost you about half as much, and we absolutely guarantee it to be the equal of any Range on Earth.

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.

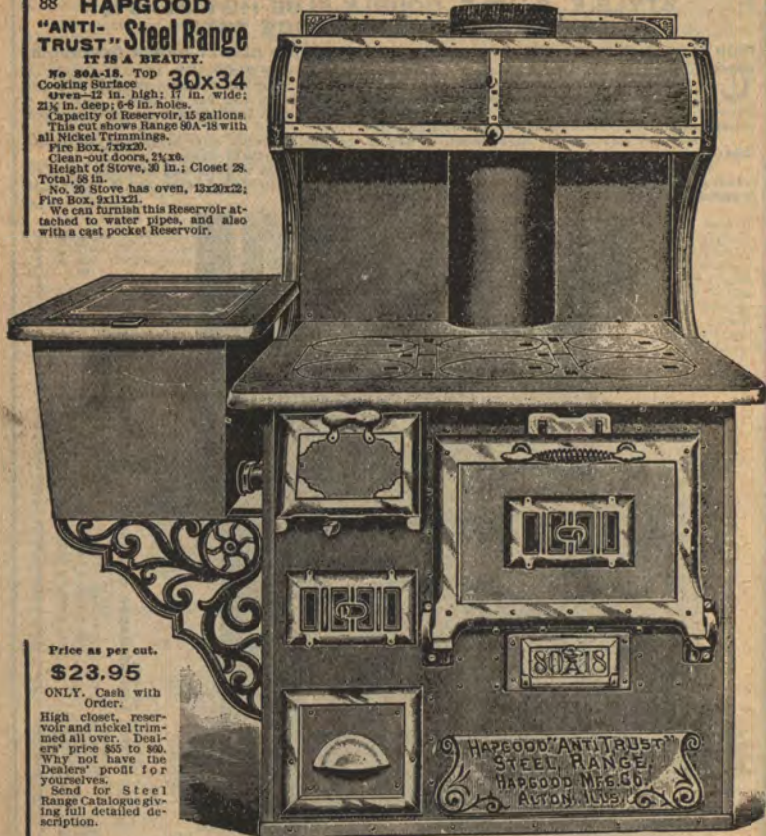


Need we say more to convince you that you consult your own best interest when you send your orders to

HAPGOOD MANUFACTURING CO., Alton, Ills.

88 HAPGOOD "ANTI-TRUST" Steel Range IT IS A BEAUTY.

No 80A-18. Top Cooking Surface 30x34
Oven—12 in. high; 17 in. wide;
2 1/8 in. deep; 6-6 in. holes.
Capacity of Reservoir, 15 gallons.
This cut shows Range 80A-18 with
all Nickel Trimmings.
Fire Box, 14x20.
Clean-out doors, 2 1/2x8.
Height of Stove, 30 in.; Closet 28.
Total, 58 in.
No. 20 Stove has oven, 13x20x22;
Fire Box, 9x11x21.
We can furnish this Reservoir at-
tached to water pipes, and also
with a cast pocket Reservoir.



Price as per cut.

\$23.95

ONLY. Cash with
Order.

High closet, reservoir
and nickel trim-
med all over. Deal-
ers' price \$35 to \$50.
Why not have the
Dealers' profit for
yourselves.
Send for Steel
Range Catalogue giv-
ing full detailed de-
scription.

NOTE OUR EXTREMELY LOW PRICES,

And remember our Guarantee that there is absolutely nothing better on earth at twice the price, and we
guarantee 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, 2 1/8 inches deep, inside measurements; complete with Warming Closet; six 8-inch holes. Japanned finish	\$18 95
No. 2.	80A-18. Same as above, Nickel finished body	19 95
No. 3.	80A-18. Same as above, Nickel finished body and closet	20 95
No. 4.	80A-18R. Same as No. 1, with 15-gallon reservoir	21 95
No. 5.	Same as No. 2, with 15-gallon reservoir	22 95
No. 6.	Same as No. 3, with 15-gallon reservoir	
No. 7.	Size 80A-20; top cooking surface 30x40 inches; Oven 13 inches high, 20 inches wide, 22 inches deep; all in- side measurements; complete with Warming Closet; Japanned finish	23 95
No. 8.	Same as above but Nickel finished body	22 95
No. 9.	Same as above, Nickel finished body and Warming Closet	23 95
No. 10.	Size 80A-20; same as No. 7, but with 15 gallon reservoir	24 95
No. 11.	Same as No. 8, but with 15-gallon reservoir	25 55
No. 12.	80A-20. Same as No. 9, with 15-gallon reservoir	26 95

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 Nickel Trimming. It costs but little more, yet adds at least \$10 to the
looks of the range. Above prices are cash with the order. We guarantee to refund your money if 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 in-
structions 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 abso-
lutely guarantee that it is all we claim for it and more, too. We can furnish hundreds of such testimonials.

New Model Steel Range

A MARVELOUS RANGE.

WE USE

16 Gauge Steel in Body.

14 " " Oven.

18 " " Reservoir Casing

SPECIAL PRICE TO INTRODUCE OUR 28-18.

\$33.50 F. O. B. FACTORY,
OR ALTON,

or delivered at any station
East of Mississippi and North
of Ohio Rivers **\$34.60**

GUARANTEE.

We will replace free any part burning
out in five years. Compare this with any
proposition offered, and you will find it is
better than any other ever made (except
Our Own on the Double Flue Range), if
you will make your investigation thorough.

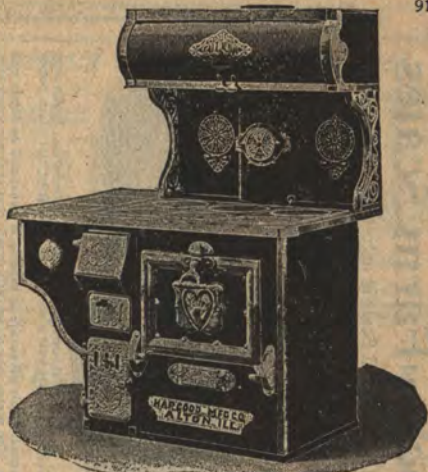
EXTRAS.

Deduct for High Shelf in place of High
Closet 2.00
Deduct for Reservoir if not wanted 5.00
Add for Cast Water Front to be used with
Pressure Boiler 2.00

PRICE LIST COMPLETE WITH RESERVOIR AND HIGH CLOSET.

No.	Cooking Holes.	Size of Oven.
28-16	6 8-in.	16x21x14
28-18	6 8-in.	18x21x14
28-20	6 9-in.	20x21x14

Shipping Weight.	Top Cooking Surface.	Price.
450 pounds.	30x44	\$34.50
450 pounds.	30x44	37.50
475 pounds.	30x48	43.50



COMPETITOR STEEL RANGE

A Special Range to Meet Demand For a
Cheap Range.

DUPLX GRATE. CONVENIENT DAMPERS.
GOOD SIZED FLUES.

POUCH FEED. FULL WIDTH DIRECT
DRAFT. CAST ENAMELED RESERVOIR.

No.	Size of Lids.	Size of Oven.	Size of Top.	Price.
18-18	6-8	13x19x18	27x45	\$19.27
18-20	6-8	13x19x20	includes	20.31
19-20	6-9	13x19x20	reservoir.	21.35

Weight about 280 pounds.

**4 Per Cent. Discount
For Cash With Order.**

Without High Closet,
\$2.00 Less.

Without Reservoir,
\$3.50 Less.

Prices F. O. B. Factory,
near Chicago.

We will be pleased to quote
you freight rates to your
station.

Body, 24 Gauge.
Oven 20 Gauge Plate
Steel.

Top, Good Quality
Well Ribbed Cast Iron.

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 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 20 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.

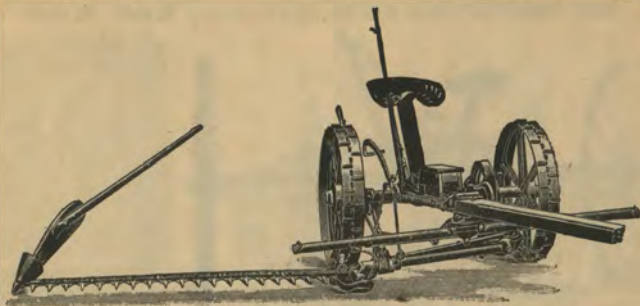
2d. The screen is now constructed to give better results, and is held adjustably to the standard by two bolts instead of one.

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 Cent. Discount.



IMPROVED.



OUR NEW HAPGOOD MOWER.

We absolutely guarantee this Mower will cut any place that any other Mower on earth will work, will last as long and requires as few repairs as any Mower made.

The Hapgood Mower is so constructed that it may be easily taken apart. It has such adjustments for tilting, raising and lowering as to adapt it to any ground or grass, and by its compactness and simplicity shows the use of every piece of it.

Our Patent Sickle Guards are used on this Mower. It is a great (if not the greatest), improvement made in the cutting apparatus of light-running mowers for many years. By it the grass is held by the bars of the guard from slipping forward, and is cut along the whole edge of the section instead of only at its point; and the short grass is made to fall behind the bar as cut instead of being pushed forward and thrown in front of the bar.

NOTE.—Our Mower is provided with a sustaining spring to carry the weight of the cutter bar on the drive wheels, which leaves the cutters flexible to conform to the ground, thereby decreasing both forward and side draft by transferring the weight, otherwise dragged sideways on the ground, to the driving wheels, and increasing the power of cutting by increasing the weight to give power.

Guards are held in place by bolts instead of rivets.

The Pitman rod is No. 1 clear hickory with cone and ball connection with the knife head.

The oscillating joint of the bar permits a self-adjusting tilt of guards to ride into and out of dead furrows; or, if on top of a bog, the guards will point down to cut clear its opposite side, making thus a genuine floating bar, something which every farmer wants.

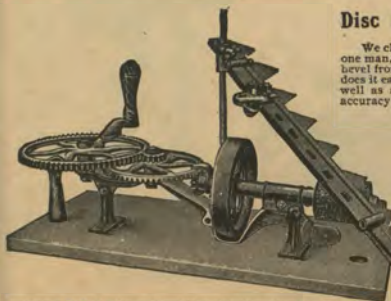
Brass fittings are provided for crank journals, and for wrist pin bearing which may be easily removed; and the foot lift greatly facilitates the handling of the cutter bar. A boy can handle this Mower with ease. The driver's seat is behind the cut, out of danger, easily accessible, convenient to levers, arranged to balance weight on wheels instead of on horses' necks, and adjustable forward or backward to suit the driver.

We might go on and explain every point of this machine, but it is 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.

This machine is made in 4 ft. 6 in., 5 ft. and 6 ft. cuts.

	Weight.	Price.
4 Foot, 6 inches Cut.....	700 lbs.	\$33.00
5 Foot.....	725 lbs.	35.00
6 Foot.....	775 lbs.	37.50

4 Per Cent. Discount For Cash With Order.



Disc Harrow and Disc Plow Sharpener

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 level 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.

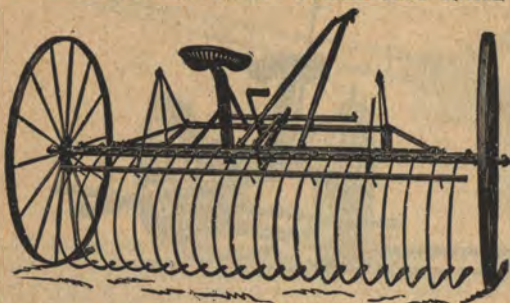
U. S. Disc Grinder and Drill with Sickle Stone only.....	\$6.00
U. S. Disc Grinder and Drill with Disc Stone only.....	6.00
Extra Wheels 3x3 for Sickle Grinder (Fine Stone).....	.50
Extra Wheels 3x3 for Disc Sharpener (Hard Stone).....	.50
Saw Gunning Wheel, extra.....	.50

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.

NOTICE.—When you write us, please state in what paper you saw our Advertisement, as we wish to give our Newspaper friends proper credit. Also to learn for ourselves what papers bring us the business.

OUR PERFECTION STEEL HAY RAKE HAND DUMP.



CASH WITH ORDER. NO DISCOUNTS.

8-Ft. Steel Frame Hand-Dump Rake with combined Pole and Shafts,	20 Teeth.	Shipping Wt. 800 lbs.	\$16 10
10-Ft. " " " " " " " " " " " "	" 25 "	" 825 "	17 50
12-Ft. " " " " " " " " " " " "	" 30 "	" 900 "	19 00
8-Ft. " " " Self " " " " " " " "	" 20 "	" 850 "	17 25
10-Ft. " " " " " " " " " " " "	" 25 "	" 875 "	18 90

We can furnish Wood Frame Rakes with Steel Wheels at the same price as above. Usually they set for a little less, but we are selling our Steel Frame Rakes for less than Wood Frame Prices. We offer you this Rake with the unequalled guarantee that it is equal to any Rake on the market, and is dirt cheap at this price, and will refund your money if you are not perfectly satisfied you have a bargain. We have sold this Rake for five years without a complaint, and never have we been able to offer them at as good a bargain as this. We also know positively that this same Rake is being sold by dealers under the Factory name at several dollars more than we ask for it.



HAPGOOD "KING" HAY PRESS AT WORK.

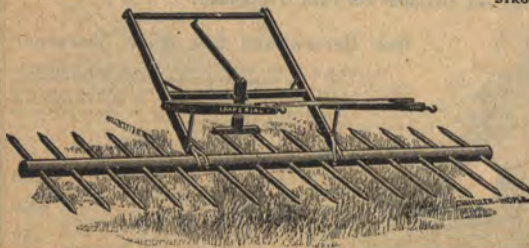
material, being largely of steel, and the cast iron parts are very heavy and guaranteed against breakage. Shipping weight about 2500 lbs.

Price, including Lifting Jack, \$155.00.
P. O. B. Factory. Freight quoted to your town on application.

It is made of the best material. Shipping weight about 2500 lbs.
4 Per Cent. Discount for Cash with Order.
Write us and let us tell you more about this.

THE HAPGOOD HORSE HAY RAKE.

IT IS SIMPLE IN CONSTRUCTION,
STRONG AND DURABLE.



It is made from the best material that can be procured. It is always under the control of the driver. It is held down firmly by the cross-piece on the two center teeth. When ready to dump, raise the handle and it dumps easily. When dumped, there is a steel spring on either side to catch and hold it in place.

For the money asked we claim it to be the best Rake made. Order one and be convinced.

Hapgood Horse Hay Rake, Square Teeth, Shipping weight, 65 lbs.	\$3 45
" " " Round " " " " " " " "	3 25

4 Per Cent. Discount From These Prices For Cash with the Order.

Send for a complete Catalogue of Hay Tools

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, 16 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.



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.

**RAFTER BRACKET FOR
HANGING WOOD TRACK.**



Reversible Steel Carrier, weight, 31 lbs.	\$3 75
Reversible Wood Carrier, weight, 30 lbs.	3 65
Steel Track with Coupling and Bolts, 2 1/2 lb. to the foot, 1/2c per foot; 50 feet	4 50
Hanging Hooks, each, 8c; per doz.	85
Jointed Hanging Hooks, " 10c; " 1.00	
1/2-inch Floor Hooks, " 8c; " 80	
Rafter Brackets, " 5c; " 50	
Swivel Rope Hitch, " 10c; " 1 85	

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 95
Grapple Fork, 6-Tine, 56 lb.	4 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.	1 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 00
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 45
Five-Inch Iron Pulley, 22c each	" 2 50
Faultless Knot Passing Pulley, 4 in. wide, 22c each	" 2 30
Faultless Knot, small yoke, 3 in. wide, 19c each	" 2 00
Faultless Knot Passing Pulley, 4 1/4 in. wide, 20c each	" 2 00
Faultless Knot, small yoke, 4 1/4 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	2 75
8 Only Pulleys	69	8 Only Floor Hooks	84
1 Only Hay Fork	1 10	100 feet 1/2 Manila Rope	7 00
45 feet 1/2 Rope	85	Total, \$14.41, or \$13.80 net cash.	

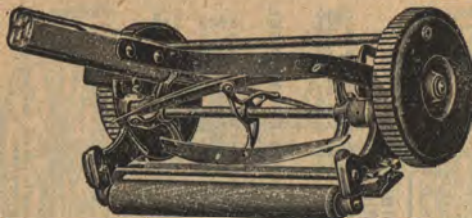
The above amount of rope is used if hay is unloaded from the center of the barn. If unloaded from the end of the barn you would have to add 41 feet more of rope (1/2-in.), and add 20 feet of 1/2-in. rope. For a 50-foot outfit you would have to add 10 feet of steel track and 1/2 dozen Double Nut Hanging 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 1x16 inch Hanging Hooks	1 10
1 1/2 dozen Rafter Brackets	65
8 Only Pulleys	69
8 Only Floor Hooks	84
Total, \$7.83, 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.

COLUMBIAN, Ill., Sept. 2, 1901.—We have been plowing Clover Seed and Woods higher than the team. Ground as hard and dry as a bone. It does fine work and it is certainly "up to snuff." It is the talk of the neighborhood and is a wonderful invention.



ELECTRIC LAWN MOWER.

This Mower is made of the very best material throughout, and special pains have been taken to see that all parts are strong where strength is needed.

The tie rod and reel shaft are made from solid steel, and reel and bed knives from special lawn mower steel. The reel shaft is set well forward, enabling the operator to cut close to a tree or bush.

8-Inch Wheel.

GUARANTEED TO PLEASE.

5½-Inch Reel.

The reel shaft box is fitted with split metal bushings, and is so constructed that grass will not wind around the reel. All parts of this machine are turned and accurately fitted, and the pivoted bed knife makes it very easily adjusted. It is interchangeable throughout and all gearing is encased to prevent dirt entering and interfering with the perfect working of the machine. **Runs easy.**

PRICE LIST.

12-inch, weight, 27 lbs	each, \$2 90	16-inch, weight, 29 lbs	each, \$3 25
14-inch, weight, 28 lbs	each, 3 00	18-inch, weight, 31 lbs	each, 3 50

PERFECTION



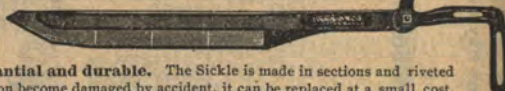
SICKLE EDGE HAY KNIFE.



Guaranteed
to Give
Satisfaction.

Adjustable Handle

Superior to all Others.



This Hay Knife is made **substantial and durable**. The Sickle is made in sections and riveted to a strong bar. Should a section become damaged by accident, it can be replaced at a small cost. With this Knife an operator can cut Hay and Straw more rapidly, and with far less labor, than with any other knife now in the market. It will outlast any other knife before it will require sharpening. When sharpening the knife, always grind from the smooth surface, the same as you would in grinding a grain sickle.

NOTICE.—The handles are so arranged as to clear the Operator's Hands from the stack, and to get the most power, thus making it easy for the operator.

Price, each \$ 87

2 in one order 1 65

Do you want a Hedge Trimmer? Send for Catalogue and Description.

THE BEST DEHORNER ON EARTH.

Excelsior V shape blade Dehorning Clipper cuts all around the horn as the Handles are being closed. Has double power, and is guaranteed to be superior to any other dehorner made (see guarantee elsewhere.) This style dehorner is made in the large size (No. 2) only, but will clip the horns, clean and smooth, from cattle of any age.

WE CHALLENGE THE WORLD

to produce a clipper with merits that equal the Excelsior "V" Shape Blade Dehorning Clipper, for we know that we have the best and most powerful Clipper on the market.



By its construction, as shown in the cut, you will see that it has a set of cogs in frame as well as in the cogged plunger, which enables the knife to be moved twice as far by the same movement of the handles, or the instrument is manipulated by a movement of the handles one-half the distance of our old patent. In opening the blades, the handles do not go far enough apart to prevent the operator having ample purchase, and twice the power of any other dehorning machine made. This is a very desirable feature, as it has power enough to clip any large horn with perfect ease to the operator.

Another Important Feature: It will be seen that in closing the clipper, the same power (the cogged handles) which drives the cogged plunger down on sliding blade, thus making a machine with two movable blades, with power from both sides of cogged handles. This clipper is made with only three bolts. One small bolt fastens cogged plunger to sliding knife, and acts as a stop for blade, making a 4-inch opening in large machine, which is large enough to admit any horn. The other two bolts fasten and blade. Made by the oldest manufacturers of Dehorners and Dehorning Appliances in existence to-day, and who know the requirements of such a tool. **POINTS OF EXCELLENCE:** Twice the power of any other; it is made without rivets; has only three bolts; handles only have to be moved one-half the distance of any other dehorning clipper; do not have to remove handles to take out blades; when knife wears off the cogged plunger can be moved down one cog in handles and make the clipper same as new. It has two shearing blades.

SIZES AND PRICES OF DEHORNERS.

No. 2 Clipper, 4x1 in. opening, weight, 18 pounds, guaranteed to cut any horn Net Cash, \$5 25
Net Cash with Order. No Discount. Extra Blades, per set 75c

Sliding Blade same price, but not as good.

HAPGOOD BROADCAST SEEDER.

97



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.

F. O. B., Chicago. Cut Price, \$6.50 Net.

CHAMPION WHEELBARROW GRASS SEEDER.

This illustrates our Wheelbarrow Grass Seeder, and we can give our customers every assurance that it is one of the best Seeders on the market for sowing all small seeds like Clover, Timothy, Hungarian, Millet, Alfalfa, and all other seeds of this size and kind.

Sowing these seeds with this style of Seeder is the correct way for the following reasons: It sows evenly and accurately any amount required per acre. It will not bunch or injure the seed. It can be used in windy weather when it



is impossible to sow by hand because the Hopper is carried so near the ground that the wind cannot blow it before it is distributed. It is economical because it will sow the exact amount it is set to sow, and no more. Seeds can be sown either mixed or separately. It is unequalled for sowing alfalfa. It has an extra attachment for sowing chaffy seeds like red top and orchard grass. The Seeder will pay for itself in sowing 50 acres in seed saved over any other method ever invented for distributing light seeds of the kind mentioned in this article.



The complete Seeder weighs from 40 to 50 lbs.

We can supply wooden or iron wheel all at same price.

Price complete with 12 ft. Hopper

"	"	"	14	"
"	"	"	16	"

\$5.50

6.00

7.00

Attachment for chaffy seed, orchard grass and red top, extra

1.50

THE NEW CENTURY 25 YEARS AHEAD OF ITS COMPETITORS. BROADCAST HAND SEED SOWER.

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 sowing 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. This 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, 20 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.



Regular Price, \$1.50 Each.

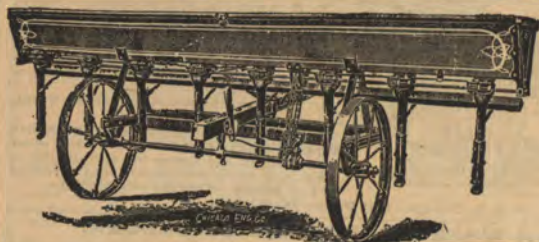
Introduction Price, \$1.00 Each.

The Best Seed Sower. The Farmers' Favorite. Weight 4 lbs. each.

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 machines and buy this up-to-date machine on sight. Don't buy a poor Seeder just to save 10 or 15 cents.

Warranted to give entire satisfaction. Your money back if not satisfied.

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 75 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.



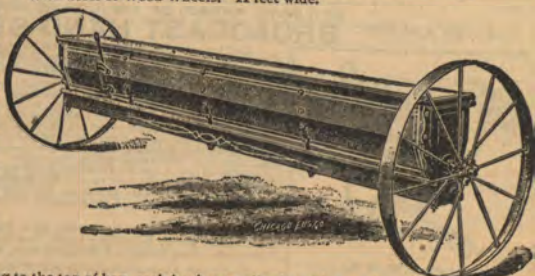
Shipping weight, 350 lbs.; price.....\$19 75 Grass Seed Attachment, price, extra.....\$2 00

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, \$15 25. A Cheaper and Lighter Seeder, \$13 75

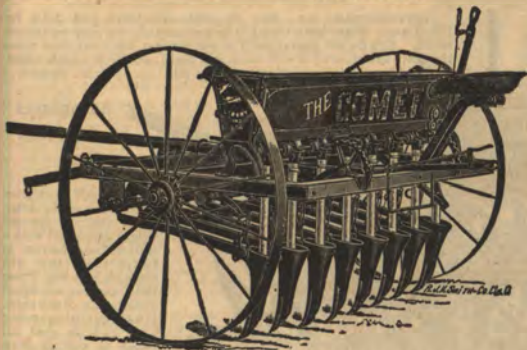
Do not compare with the cheap, inferior imitations on the market.
4 Per Cent. Discount on all the above for Cash with the Order. (No other Discounts.)



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 gearings, 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. 2.50
Grass Seeder Attachment for 8-Hoe.

"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.

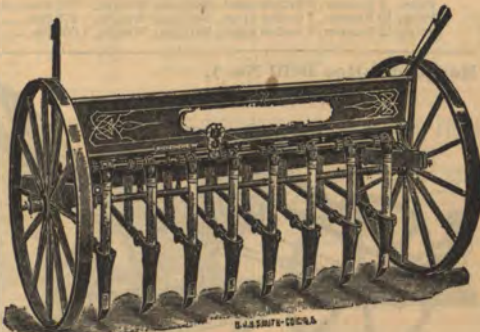
PRICE LIST.

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.

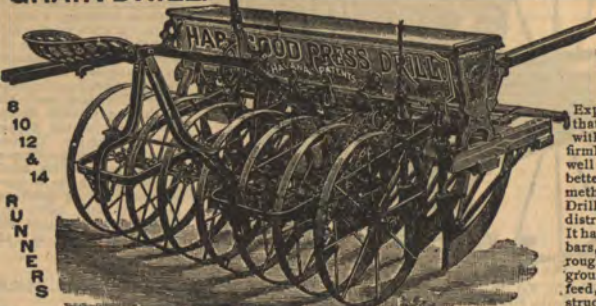
SUPERIOR FEED DEVICE.

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 \$3.00. Drill is fully guaranteed to do as good work as any drill of its class manufactured by anyone in the world.



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.

Price, 10 Runner, 7 inches apart, Shipping Weight, 875 lbs.

Price, 12 Runner, 7 inches apart, Shipping Weight, 1,000 lbs.

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 in operation. Has

Rear Lift, and throw out of gear. Examine Penders 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 cast 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 cheat 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.

List Price.

Our Reg. Price.

Cut Price.

\$30 00

\$14 00

\$11 85

No. 2 Farm Mill, Sieves 30 inches wide, weight, 150 lbs.

40 00

18 85

15 75

Each Mill furnished with one Wheat Hurdle, one Wheat Screen and one Grader with Slide 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, 3 feet and 2 inches. Height of Mills, 8 feet and 5 inches. Capacity for cleaning per hour: No. 1, 60 to 90 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
With Top Sieve of Zinc, additional \$ 60 75

All Wire, each Spout attached No. 1. \$ 2 25 No. 2. \$ 2 50

Improved Flax, Timothy and Clover Seed Attachments.

Consisting of Hurdle, Screen, Chess Board and Blinds.

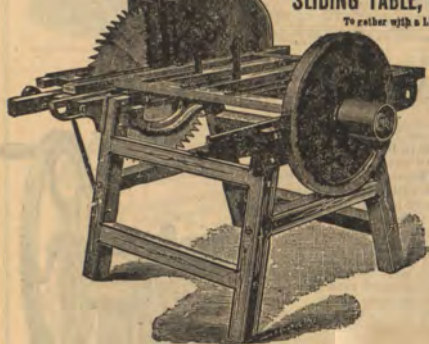
No. 1. No. 2.
Flax Attachment \$ 2 75 \$ 3 25
Clover Attachment \$ 2 75 \$ 3 25
Spout and Grader \$ 1 25 \$ 1 50
Clover Sieve, Board and Blinds \$ 1 00 1 25
Cockle Attachment, one Zinc Sieve, one Wire Sieve and Board \$ 1 50 1 75

No. 1. No. 2.
Timothy Attachment \$ 2 75 \$ 3 25
Sieves or Screens \$ 1 10 1 25
Timothy Sieve, Board and Blinds \$ 1 00 1 25
Flax Sieve, Board and Blinds \$ 00 1 25
Patent Cockle Attachment \$ 1 50 1 75

WE OFFER OUR CUSTOMERS A FULL LINE OF

SLIDING TABLE, TILTING TABLE & POLE SAW FRAMES

To either 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 5-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 RABBITTED, and we use 5-inch pulley with 5-inch lace, and every machine is set up and run until all parts are smooth and in perfect running order, fitted with a 1 1/2-inch arbor.

Price \$17.50

Shipping weight, 400 lbs.

Price, with 90-lb. Balance Wheel \$17.50

Shipping weight, 450 lbs.

Price, with 125-lb. Balance Wheel \$18.50

Shipping weight, 500 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	22	24	26	28	30	Inch Saw, Gauge 13.	Size of Hole 1 1/4.	Including Filing and Setting	
12	11	11	11	11	10		1 1/4		\$4 50
							1 1/4		5 25
							1 1/4		6 00
							1 1/4		6 50
							1 3/8		7 50
							1 3/8		8 50

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 pounds.

Price with Iron legs, \$6.00; weight, 64 lbs. Two 7-16x3/4 bolts are needed when the mill is ordered without legs, to bolt it fast to a bench or plank. Price, 5 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, 23 in.



CUTS EASY, FINE AND FAST.

With Stand, Weight, 50 lbs. Price, \$8.00
Weight, Without Stand, 50 lbs. Price, 6.50

I WAS FED ON BONE,
CUT BY THE
DANISH
BONE CUTTER



I WASN'T

THE HUMPHREY GREEN BONE AND VEGETABLE CUTTER.

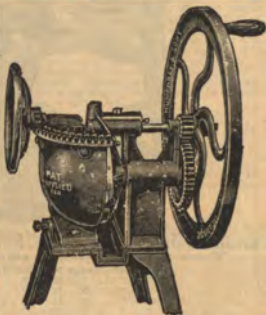
It is without question the best Machine on Earth of this kind. We absolutely guarantee it will do more work in less time, with the least power and with less fuss and bother than any Cutter on Earth. It is simple in principle, nothing about it to break or get out of fix. It is easily kept clean, and handles 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 "	13 50
No. 2½ Combined Hand and Power Machine....	" 120 "	15 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.



We believe that we have the best horse power there is on the market. It is complete with two strong master wheel pinions and two heavy twin wheels, and by placing one on either side of the bevel pinions we equalize the strain on every wheel on the power exactly alike doing away with all cutting of the cog wheels or of any strain on the shafting and boxes. We have avoided all the complication and weak points, so common to small powers.

The Frame is all wood and very strong, with ten cross pieces drawn together with heavy rods. We guarantee the frame to always remain square, and we use heavy solid steel shafting with heavy babbit boxes. The main shafting, running clear across the frame, and the tumbling rod can be connected at either side of the power. The sweeps are strong, of the best material and well braced from the outer ends with heavy brace rods attached direct to the master wheel, making it necessary to pull these rods in two endways before you can break a sweep.

Each sweep is furnished with our improved spring hitch, on which any horse will pull steady.

This is the power that is used with our Pony, Little Giant, Standard and No. 100 Grinders. It is a very handy machine to have on the farm.

Price complete with two Sweeps, Spring Hitches, Lead Bars, two tumbling Rods, three Knuckles, Rod Block, Foot Board and Stakes; Speed, 32 revolutions of the rod to one round of the Horse; weight, 675 lbs. Price\$24 50

We guarantee this to be the strongest and lightest running 2-Horse Power on the market. We also build this same style of machine in 4-Horse Power, being proportionately strong, and is just the thing for running our No. 8 Grinder, Wood Saws, Feed Cutters. Speed, 41 revolutions to one of the horse.

4 Horse Power complete, two sweeps for two teams. Shipping weight, 1,100 lbs. Price\$33 50

4 Horse Power complete, four single horses. Shipping weight, 1,100 lbs. Price\$6 50

8 Horse Power of the same style, proportionately strong. Shipping weight, 1,500 lbs. Price\$5 00

We also have a 1 Horse Power for light work. Pumping Water, Cutting Feed, Running Grindstone, Churning, Shelling Corn, etc., but at the small difference in price the 2-Horse Power is the cheapest. Price of a 1 Horse Power\$18.50

BEVELED GEARED HORSE POWER JACKS.

These cuts represent our Horse Power Jacks for increasing speed and transmitting power by belt. The Spur Gear Jack transmits the motion at a right angle with the tumbling rod, and the Bevel Gear Jack transmits the motion.

Our Bevel Geared Jack. weight, 145 lbs. speed 3 to 1; has 16-inch Pulley with 6-inch face. Price\$8 00

Same style of Jack in Iron Frame. speed 2 1/2 to 1\$ 00

Our Light Bevel Geared Jack\$ 00

Our Speed Geared Jack, with 18-inch Pulley and 6-inch face, speed 3 to 1\$8 00

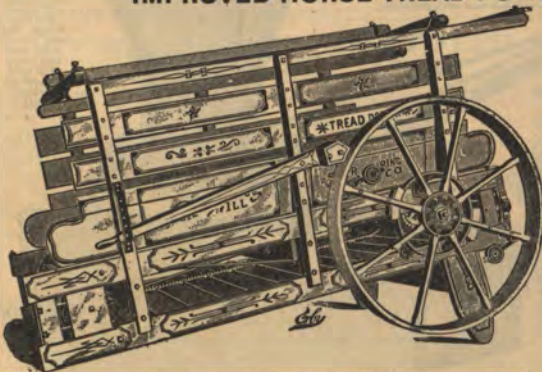


Spur Gear Jack, \$7.50



IMPROVED HORSE TREAD POWERS.

Are suitable for running all kinds of Machinery and are much more convenient than Sweep Powers, require less space, and develop nearly double the power with the same number and weight of horses.



No. 1 Horse Power. — Diameter of Band Wheel, 56 inches, revolution of Shaft, 50 to 100; shipping weight, 1,100 lbs. Price with Governor. Cut Price\$74 20
No. 2 Horse Power. — Diameter of Band Wheel, 56 inches, revolution of Shaft, 50 to 100; shipping weight, 1,500 lbs. Price with Governor. Cut Price\$81 50
No. 3 Horse Power. — Diameter of Band Wheel, 56 inches, revolution of Shaft, 50 to 100; shipping weight, 1,500 lbs. Price with Governor. Cut Price\$101 50
If Governor is not wanted, deduct \$5.00. We recommend using the Governor, however, in all cases. Pumping Attachment generally used with One Horse Power, \$10 00.

We are unable to give in the small space allotted to these Goods all of their good qualities, but on receipt of your inquiry will send you complete catalogue giving full description and accurate information on all points. You can however send your order feeling confident that you will get just what you want, while you will see that our prices are lower than anything ever quoted before.

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 size is 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 1902.

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.	Weight, 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.

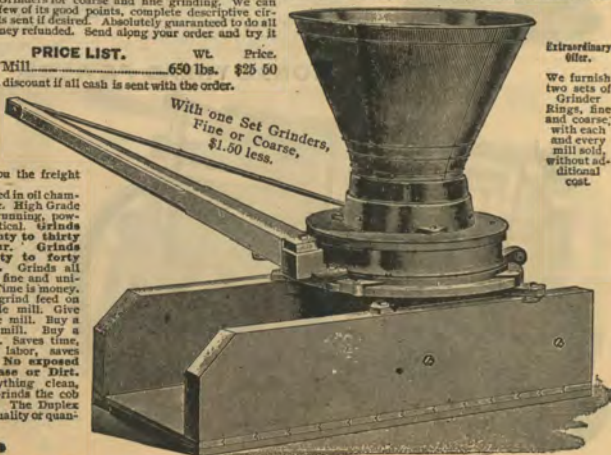
PRICE LIST.

	Wt.	Price.
Hapgood Duplex Mill	650 lbs.	\$25 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 cobs 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 any 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.

With one Set Grinders, Fine or Coarse, \$1.50 less.

REMEMBER—Has 2 sets of Buhrs. The best and cheapest Mill made for work done.

"LITTLE GIANT" CORN AND COB CRUSHER.

The cut below shows the "Little Giant," originally made by Scott & Hedges, with the addition of the latest improvements. The "Little Giant" has been so long and favorably known that an extended description is unnecessary. The cones are divided into sections, so that such parts as become worn can be replaced at small cost.



The driving arm or ring runs in an oil-groove bearing, carrying the under cone steadily and with but little friction. The "Little Giant" was first patented in 1834, and now, possessing all the modern improvements of value, stands unrivaled as a successful Corn and Cob Crusher. For grinding Milo, Maize or Kaffir Corn, our "Little Giant," with special fine grinders is unexcelled.

PRICES AND CAPACITIES.

The amount of feed the mill will grind per hour is approximate only, and is estimated when grinding old dry corn on the cob. The rate of grinding depends upon the condition of the corn, manner of feeding the mill and the speed of the horse.

"LITTLE GIANT" (IMPROVED.)

No.	Horse Power.	Bushels Feed Per Hour.	Ship. Wt. Lbs.	Price.
1	1	6 to 8	385	\$16 50
2	2	8 to 12	455	19 50

Price of extra Grinders per set, either fine or coarse, No. 1, \$3.00; No. 2, \$3.75.

OUR FAMOUS TRIPLE GEARED FEED MILL.



This cut shows our Famous Triple Geared Feed Mill and Horse Power Combined. Grinds Wheat, Rye, Barley, Oats, Shelled Corn, etc.

It is the only Mill in the market built with steel pinion and patent adjustable draw bar and Spring. Lightest running Gear Mill in the market. We claim for it perfection, simplicity, strength and durability. It is mounted on a drawn power frame made of the best timber and securely fastened together. It sets close to the ground and the gear is closely fitted together in compact manner, with double strength master wheel, ring bearing and a steel pinion making it strong, neat, compact, durable and easy draft.

The feed is discharged into a basket supported by the sweep so that it is always up out of the way of the dirt. Has a capacity of from 5 to 20 bushels per hour, depending upon the quality of the grain. The power can be used separately in running Fodder Cutter, Sheller or any thing requiring 2-horse power. Tumbling rod makes 60 revolutions to one of the horse.

We guarantee this Machine to please every purchaser and we solicit your order for the same.

Our Famous Triple Geared 2-Horse Mill, with Tumbling Rod and Pulley and Power complete, weight, 675 lbs. \$45 00

Our Famous Triple Geared 2-Horse Mill, without Tumbling Rod and Pulley, weight, 500 lbs. 42 50

Our Famous Triple Geared 2-Horse Power only, no Grinder, with Tumbling Rod and Pulley, weight, 500 lbs. 37 50

REGULAR BIG GIANT FEED MILL.

The great feature of these mills is that they are adjustable where the two outside parts come together, and with set and clamp screws can be drawn together or forced apart, as the wear of the mill requires. This is a feature never before used, and by it we secure the point of fine grinding till the mill is worn out, increasing its capacity 25 per cent. over any mill without this feature.

The grinders are self-sharpening, and will consequently cut equally well until the cutting edges are worn down smooth, and are so arranged as to be replaced at small expense when worn out. A set of grinders will grind several thousand bushels of meal without any cost, and when worn out can be replaced at a less price than the dressing of a burr-stone mill.

The grinders are made of very hard iron, and have proved to be very durable. Many of them have been in constant use several years, and grinders seem to be but little worn. We do not put steel grinders on our Regular mills.

Owing to the peculiar construction of the mill, it is grinding and crushing from top to bottom, thus securing the greatest possible capacity.

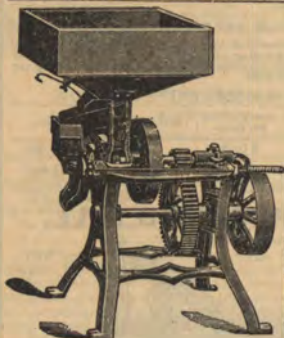
REG.

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



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

Shipped with Right-Hand Burrs unless otherwise ordered

No. 90 Pearl Grinder, weight 180 lbs., with 3 sets of

No. 1 6-inch Burrs.....\$18 00

4 per cent discount for cash with order

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 or 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.....\$24 75

Furnished with Left-Hand Burrs unless otherwise ordered.

Price No. 1, 6-inch Burrs, per set, \$1.25

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.....\$22 25

4 per cent discount for cash with order.

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.....\$15 00

No. 20, Same Mill, Geared with 3 sets of No. 1

6-inch Burrs, weight, 170 lbs.....\$16 00

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.....\$15 00

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



No. 20.



No. 90.

Hapgood 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.

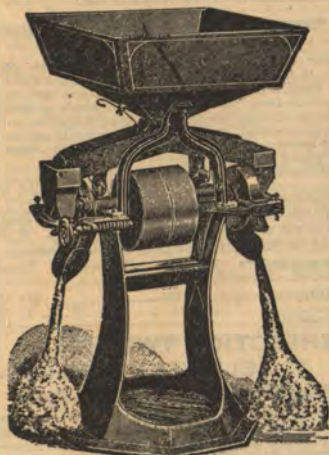
J. W. LUFER.

GAINESVILLE, TEX., May 11, 1898.

Yours truly,

GUST. BUSSE,

Oklaoma City, Okla. R. R. No. 2.



OUR "PEARL KING" DOUBLE GRINDER.

This is the King of all Grinders. A mill of great capacity, grinding from 40 to 60 bushels per hour. Made of solid iron and steel, with 1½-inch Steel Shaft, and 7-inch babbitted box. Automatic feed trough, spring flexible lever to prevent breaking of the Burrs. Brass oil cups. Made only to run with Belt Power with 8 or 10-inch Pulley, with 10-inch face. Grinds at both ends at the same time; Guaranteed to please every time.

Price, Pearl King Double Grinder. Weight, 390 lbs., with 6 set of No. 2, 8-inch Burrs.....\$42.50

8-inch Burrs, per set extra.....1.15

Furnished with 3 set of right-hand Burrs and 3 set of left-hand Burrs. 4 per cent discount for cash with order.

OUR No. 10 PEARL CORN AND COB MILL

Is made for the purpose of grinding corn and cobs. Under the crusher we have a reducing process which grinds the corn and cob to a uniform size before being delivered to the grinding burrs. It will at the same time grind all kinds of shelled grain with 10 to 15 Horse Power. This Mill has a capacity of 35 to 50 bushels per hour. Send for complete descriptive Catalogue.

No. 10 Pearl Corn and Cob Mill, with 3 set of 9-inch Burrs.....\$42 50

You should send for our Catalogue and see our Pearl Pony Geared Mill for 2 Horse Power. Has a capacity of 12 to 15 bushels an hour.

Price with 3 sets of No. 1 6-inch Burrs; Weight, 175 lbs.; Belt Mill, \$14.50; Geared, \$16.00.

You should also see our Little Giant Mill. Made entirely of iron and steel. Capacity, 10 to 30 bushels an

hour. Weight, 140 lbs. Price, with 3 sets of 6-inch Ring Burrs.....\$16 50
4 per cent discount for cash with order.

The Alton Cream Separator

It is no longer necessary to argue the merits of a Cream Separator. Every intelligent farmer and dairyman knows and appreciates its advantages. The only question to be determined is which will produce the best results for the least money.

We claim that we have the machine, and, when used according to our directions, that it will prove entirely satisfactory to every party, and we do not hesitate to sell it on the unqualified guarantee that it will please you or your money will be refunded. All we ask is for you to try it. It contains all the latest improvements in cream separators.

The separator is so constructed that the milk is acted upon a second time to remove any cream that may have escaped the first operation.

It is a strong and well made machine and should last a lifetime if properly taken care of.

PRICE LIST.

No. 2. Capacity, 325 lbs. of milk per hour. Retail price, \$80.00
C. O. D. price.....\$53.50 Cash with order price.....\$52.50
No. 3. Capacity, 425 lbs. of milk per hour. Retail price, \$100
C. O. D. price.....\$59.25 Cash with order price.....\$58.25

Shipping weight, No. 2, about 225 lbs.

Shipping weight, No. 3, about 275 lbs.

These prices are F. O. B. Alton, Ill.



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-Hoe Sheller on the market, while our prices paralyze all competition. All gearing is placed inside.

130 lb. One-Hoe Pearl Sheller, with Fan or Feed Table complete..... \$ 5 50

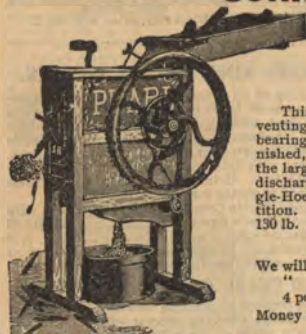
It costs as much to ship one sheller as it does a dozen.

We will sell you Two in one order complete at..... 10 50

" " Three in one order complete at..... 15 50

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

Money refunded if not satisfactory. We have 1,000 bought. These must be sold. Prices F. O. B. Alton, Ill.



Two-Hole Pearl Sheller with Fan, Feed Table and Pulley, shipping weight, 235 lbs..... \$14 75
Same, with Cob Carrier, see cut..... 17 75

PERFECTION TWO-HOLE SELF-FEED SHELLER.

Shown With Wagon Elevator and Cob Stacker.

This cut shows our Sheller, both Wagon Box Elevator and Cob Stacker, and we do not hesitate to say that this is the most effective and most successful combination ever made with a Two-Hole Sheller at this price. The frame is extra heavy hard wood, well seasoned and securely put together. Has a heavy Fly-Wheel, a Cob Rake with Sacking, Wagon Box Elevator or Cob Stacker, as desired. It is especially convenient for Flour Mills or for farmers desiring to shell the greatest quantity of corn per day at the least expense.

The corn is shoveled into the Hopper and is conducted to the Sheller by means of the Link Carrier, and it requires no further attention in feeding.

Speed—415 revolutions per minute.

Capacity—450 to 500 per day.

SELF-FEED SHELLERS.

With Cob Rake only, weight, 300 lbs..... \$32 00

Wagon Box Elevator extra, " 125 "..... 11 00

Sacking Elevator, " " 100 "..... 7 00

Cob Stacker, " " 100 "..... 5 50

F. O. B. Cars, Alton, Ill.



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 —

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.

It is 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 upper, turns easy; any child can run it, while at our price you cannot afford to be without one. Price, 80 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. Incased 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.

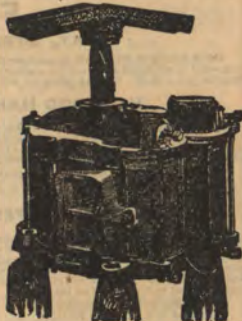
6. By our improved mode of oiling the lubricant is taken directly to the bearings.

7. Improved Sweep Cap with Straps.—This 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 the 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.



SIZE, CAPACITY, WEIGHT AND PRICE.

No	Power	Size of Rolls.			Estimated Capacity Not Guaranteed. Gallons Per Hour.	Shipping Weights Pounds	Price.
		Diam Large	Diam Small	Length			
0	Light One Horse	8 1/4	5 1/4	5 1/2	30 to 45	400	\$17 40
1	One Horse	10	6	6 1/2	45 to 60	515	21 70
2	One Horse	11 1/4	6 1/2	6 1/2	60 to 75	620	25 40
3	Two Horse	13 1/4	7 1/4	7 1/2	75 to 90	800	33 70
4	Two Horse	13 1/4	7 1/4	8 1/2	90 to 100	850	35 70
5	Two Horse	14 1/4	7 3/4	9	100 to 120	1000	42 40
6	Heavy Two Horse	15 1/4	7 3/4	12	120 to 145	1250	50 40

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 the comment is unnecessary, except to say that it is made of the best material, uniform thickness, and will not buckle, bend 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
1	44 x 72	30 to 40	\$10 00	\$4 75	\$15 95	250 lbs.	275 lbs.
2	44 x 90	40 to 50	11 00	5 75	15 75	275 lbs.	300 lbs.
3	44 x 108	50 to 60	14 00	6 85	18 50	300 lbs.	350 lbs.
4	44 x 126	75 to 120	14 75	7 85	21 50	350 lbs.	400 lbs.
5	44 x 144	100 to 150	18 00	8 85	24 75		

Add the price of Furnace and Pan together and you have the complete price.

TARKIO, Mo., Jan. 2, 1895.—Dear Sir: I enclose New York Draft for one Steel Wind Mill and 35 foot tower, which came to hand about Dec. 26th, 1894. I have the mill up and can safely say that I like it better than any back geared mill I ever saw, runs easy and without noise. Yours truly, T. B. RANKIN, "Breeder of Live Stock."

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.....\$14 75

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 8½ inches long, and will cut all kinds of material easy and rapidly. The length of cut is ¼ and ½ of an inch.

Shipping weight, 200 pounds.
Price, f. o. b. Chicago, \$14.00.

Capacity, 400 lbs. per hour.
Extra Knives, each 65 cents.

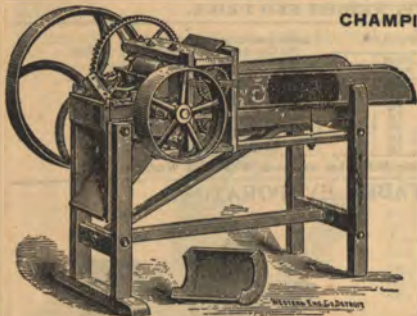


CHAMPION FEED CUTTER, NO. 2. HAND OR POWER.

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 ¼ and ½ 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.....\$19 00
No. 2. For Hand and Power, " 500 ".....21 40
Shredder Attachment for above.....15 90



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.....\$38 50
Shredder Attachment extra for above.....20 00
All over 12 feet 95 cents extra.

No. 4 Cutter, power only, shipping weight, 800 lbs.....\$52 50
Shredder Attachment for above.....24 50
12 ft. Carrier for either No. 2, 3 or 4.....16 75

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.

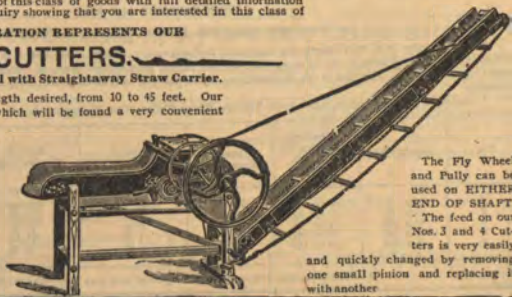
THIS ILLUSTRATION REPRESENTS OUR

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, 1902, we give 83 1/2 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.

OBLONG TANKS.**ROUND ENDS.**

No.	Diam.	Height.	Capacity.	Weight.	List Price.
1.	4 ft.	2 ft.	6 bbls.	102 lbs.	\$ 9 00
2.	4 1/2 "	2 1/2 "	7 "	109 "	10 00
3.	4 1/2 "	3 "	9 "	112 "	11 00
4.	4 1/2 "	4 "	12 "	147 "	13 00
5.	5 "	2 "	9 1/2 "	144 "	11 50
6.	5 "	2 1/2 "	12 "	129 "	14 00
7.	5 1/2 "	3 "	14 "	138 "	15 50
8.	5 1/2 "	4 "	19 "	190 "	19 00
9.	6 "	2 "	14 "	148 "	15 50
10.	6 "	2 1/2 "	17 "	160 "	19 00
11.	6 "	3 "	20 "	169 "	20 00
12.	6 "	4 "	27 "	231 "	25 00
43.	6 "	5 "	34 "	260 "	30 00

Special sizes of above Tanks made to order.
Covers made at small extra expense.

No.	Width.	Height.	Length.	Capacity.	Weight.	Price.
B-15	2 ft.	2 ft.	6 ft.	5 1/2 bbls.	100 lbs.	\$ 9 00
13.	2 "	2 1/2 "	8 "	7 1/2 "	123 "	11 00
14.	2 "	2 1/2 "	8 "	7 1/2 "	145 "	12 00
15.	2 1/2 "	3 "	8 "	9 1/2 "	135 "	12 00
16.	2 1/2 "	3 1/2 "	8 "	12 "	150 "	13 00
17.	3 "	3 "	8 "	12 "	141 "	13 00
18.	3 "	3 1/2 "	8 "	14 "	166 "	15 50
19.	3 "	4 "	8 "	15 "	181 "	16 50
20.	4 "	3 1/2 "	9 "	17 "	195 "	19 00
21.	4 "	4 "	8 "	23 "	215 "	23 00
22.	3 "	3 "	10 "	14 "	178 "	15 50
23.	3 "	3 1/2 "	10 "	18 "	204 "	19 50
24.	3 "	4 "	10 "	21 "	210 "	21 50
25.	3 "	4 1/2 "	10 "	24 "	224 "	23 00
26.	4 "	3 1/2 "	10 "	24 "	247 "	24 00
27.	4 "	4 "	10 "	29 "	276 "	27 00
44.	4 "	5 "	16 "	30 "	272 "	30 00

We will tap tanks for pipe if desired. The above prices are net F. O. B. Chicago. Always order by number.

OBLONG TANKS. — SQUARE ENDS.

No.	Width.	Height.	Length.	Capacity.	Weight.	Price.
A-25	2 ft.	2 ft.	4 ft.	3 1/2 bbls.	92 lbs.	\$ 7 70
B-25	2 "	2 1/2 "	4 1/2 "	4 1/2 "	105 "	8 80
25.	2 "	3 "	8 "	7 1/2 "	159 "	12 10
C-25	2 "	2 "	6 "	5 1/2 "	124 "	9 90
29.	2 "	2 1/2 "	8 "	8 "	160 "	13 20
30.	2 1/2 "	2 "	8 "	9 1/2 "	165 "	13 20
31.	2 1/2 "	2 1/2 "	8 "	12 "	178 "	14 30
32.	3 "	2 "	8 "	12 "	185 "	14 30
33.	3 "	2 1/2 "	8 "	14 "	204 "	17 00

No.	Width.	Height.	Length.	Capacity.	Weight.	Price.
34.	4 ft.	2 ft.	8 ft.	15 bbls.	216 lbs.	\$18 15
35.	4 "	2 1/2 "	8 "	17 "	234 "	20 50
36.	4 "	3 "	8 "	19 "	274 "	25 80
37.	4 "	3 1/2 "	10 "	14 "	210 "	17 00
38.	4 "	4 "	10 "	18 "	216 "	21 45
39.	4 "	4 1/2 "	10 "	21 "	270 "	25 65
40.	4 "	5 "	10 "	24 "	261 "	27 00
41.	4 "	5 1/2 "	10 "	24 "	290 "	29 40
42.	4 "	6 "	10 "	29 "	312 "	29 70

GALVANIZED STEEL TANKS

Are an established success. Made of the 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 leak. Cannot burst 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?

OVAL BOTTOM THRESHER TANK.

The construction of the Oval Bottom Thresher Tank, or Engine Tender, is thorough in every detail. Made of 20-gauge galvanized iron. Seams are double locked. Each Tank has a fuel box at front end on top and is provided with a shovel-board at front, and the bottom is planked back to the partition.



Patented January 29, 1902.

PRICE LIST.

No.	Width.	Depth.	Length.	Capacity.	Weight.	Price.
No. 8—25 inch	25 inch	24 inch	8 feet	9 1/2 barrels	350 lbs.	\$28 00
No. 10—35 inch	35 inch	24 inch	10 feet	12 barrels	375 lbs.	35 50
No. 12—35 inch	35 inch	28 inch	10 feet	15 barrels	400 lbs.	29 00

4 Per Cent Discount.

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 fasten on 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. 4770, pump only, with strainer and agitator. Price..... \$5 00

No. 4770, pump, single discharge, complete except barrel, consisting of pump 6 feet of 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 light lid which prevents liquid from splashing on operator. It is fitted with adjustable straps so as to be carried on the back, or 'can be carried by ball as shown by dotted lines.

It is tapped at both right and left hand lower corners and fitted with brass female ends to which hose 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..... 3 45

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, nothing on the up; it is not necessary to steady the pump with a foot rest; it 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 150 lbs. with very ordinary exertion. It will throw a solid stream 50 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. 4770.



Fig. 478.

No. 4900. Bucket Brass Spray Pump with agitator, complete with hose and combination fine and coarse spray and solid stream nozzle. Price..... \$ 5 50
No. 4921. Bucket Brass Spray Pump with agitator, complete with hose, combination, fine and coarse spray and solid stream nozzle and a 8-ft. pipe extension. Price..... 2 75



Fig. 599.



Fig. 602.



Fig. 4900.

PUMPS.

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 whether black or galvanized; 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.

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.	Section.	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 1/2 inch pipe.	2 1/2 in. " 40 "	2 25
3.	1 1/2 inch pipe.	2 1/2 in. " 40 "	2 50
4.	1 1/2 inch pipe.	3 in. " 30 "	2 75
5.	1 1/2 inch pipe.	3 1/2 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 1/2-inch pipe and 3/4-inch hose.

Lift by placing cylinder within 15 or 20 feet of water.

No.	Section.	Lift.	Price.
No. 1.	1 1/2 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 1/2, 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.	Section.	Well Rods.	Lift.	Price.
No. 1.	6-in.	1 1/2-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. A1032.

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 1/2-in. pipe and 3/4-in. hose.

No.	Stroke.	Section.	Well Rod.	Lift.	Price.
No. 1.	6-in.	1 1/2 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. A422.

NO. 1025A. DOUBLE ACTING FORCE PUMPS.

For Shallow or Deep Wells—Open, Driven, Drilled or Cased.

This pump has been universally adopted as the best there is made. The cut shows it set for a shallow well. It is the only pump adapted for all the different kinds of Wells in one Pump. The standard or bearer top is in one piece, cast in two half sections. Upper cylinder brass lined. We do away with all stuffing boxes and avoid all under friction and have the easiest working pump possible. More complete information will be sent on receipt of inquiry if needed. No. 2 Pump will go inside 4-inch casing; No. 4 Pump inside 5-inch casing. All pumps will be put up for shallow wells unless otherwise ordered.

Universal bushing, adapting pumps for shallow or deep wells, strainer and hose connections go with each pump and are included in the prices given below.

No.	Cyl.	Stroke.	Capacity per Stroke.	Suction Pipe.	Discharge.	With Brass Lined Cyl.	Brass Body Cyl.
2	2-in.	6-in.	18 gal.	1½-in.	¾-in.	\$8 40	\$9 00
4	3-in.	6-in.	18 gal.	1½-in.	¾-in.	9 90	10 00

NO. 1027A. DOUBLE ACTING FORCE PUMP.

This cut shows a Pump set for deep wells, has Brass Three-Way Cock and Connecting Rod for distributing water to any part of the premises. The same general description as Pump No. 1025A.

No.	Same description as No. 2 above.	With Brass Lined Cyl.	Brass Body Cyl.
No. 2	"	\$9 50	\$10 50
No. 4	"	10 00	11 00

NO. A1039. ANTI-FREEZING LIFT PUMP.

This is intended for shallow wells. The Pump Rod is guided above and moves up and down in a vertical line without oscillating; also tight top. The Pump is tapped and receives wrought iron connecting pipe near the spout. Has support brace.

Lift by placing cylinder within 15 or 20 feet of water.

No.	Diam. of Cyl.	Stroke.	Lift.	Price.
No. 4.	3 in.	6 in.	1½-in. pipe. 30 ft.	\$4 00
NO. B1039. EXTRA HEAVY.				
No. 2.	Diam. of Cyl., 2½ in.	Stroke, 6 in.	1½-in. pipe. 40 ft.	\$4 00
No. 3.	" " 2½ in.	" " 6 in.	1½-in. pipe. 40 ft.	4 20
No. 4A.	" " 3 in.	" " 6 in.	30 ft.	4 55
No. 5.	" " 3½ in.	" " 6 in.	30 ft.	4 70

NO. A424. ANTI-FREEZING FORCE PUMP.

With 1½ connecting pipe and patent sand valve. This Pump is provided with an outlet back of the spout for fastening the pipe, and the spout itself has a hose tube for attaching ¾ hose. This Pump is tapped for and receives the wrought iron pipe near the spout, and not at the base. From pump base to bottom of cylinder is 4 feet.

Lift by placing cylinder within 15 or 20 feet of water.

No.	Diam. of Cyl.	Stroke.	Lift.	Price.
No. 2.	2½ in.	6 in.	60 ft.	\$6 00
No. 3.	" " 2½ in.	" " 6 in.	" " 60 ft.	6 25
No. 4.	" " 3 in.	" " 6 in.	" " 60 ft.	6 50
No. 5.	" " 3½ in.	" " 6 in.	" " 45 ft.	6 75

Figure A426 is the same as No. 424, except it has a cock on the spout for closing the same when pipe is connected behind the spout. Description same as above. Price, \$1.00 extra.

NO. 401A. OUR "STAR" FORCE PUMP, WITH AIR CHAMBER OR SPOUT.

FOR HAND OR WIND POWER.

This is one of the best forms Wind Mill Force Pumps there is made, with revolving top, and while not the cheapest it is undoubtedly the best and possesses features which will commend it to practical farmers.

The gas pipe is connected in the body close under the spout, and either 1-inch, 1½-inch, 1¾-inch or 2-inch pipe can be used. Pumps tapped for 2-in. pipe have coupling for 1-inch wood rods. Wind Mill slides not furnished unless ordered.

Stroke.	Suction Pipe.	Discharge Well Rod.	Cylinder.	Price.
6-inch.	1½-in.	1½ and ¾-in.	2½-in.	\$6 50
10-inch.	2-in.	1½ and ¾-in.	3-in.	7 00

Cylinders like those of page are used on this Pump and cost extra.

The most practical method for ordering a Pump is to give the depth of your well. Pick out the style of head you want, size of cylinder, and whether iron, brass lined or full brass, and we will send you quotations on the Pump all fitted ready to go in the well. The work of cutting the thread, which, with our machinery would take but a few minutes and costs but a few cents, would require a man without the proper tools a half day or more, so that it is more economical to send us your specifications and get prices on the same complete.



1025A.



1027A



No. A1039.



No. A424.



401A.

THE PERFECTION GALVANIZED TANK HEATER.

Combines efficiency, durability and safety with prices in keeping with the times.

No longer considered a luxury but a necessity by the Progressive Dairyman, Stockman and Farmer.

The No. 2 has a heavy Galvanized Steel Shell 15 inches in diameter, and is large enough for tanks of twenty-five barrels capacity. For larger tanks we recommend our No. 1 Heater, which is oval in shape, and 21x15 inches in diameter. They set in tank. Cannot be injured if water gets low in tank. No pipes to burn out or seams to unsolder. Fuel is burned on a grate which sets 4 inches from bottom, leaving a large space for ashes. **Ashes can be removed without disturbing the fire.** This is accomplished by peculiar construction of grate which permits access to ashes. We furnish with each of our improved heaters a shovel, poker, two metal rods with screw points for fastening heater to bottom of a wood tank, one joint of galvanized smoke stack and a detachable spark arrester. Use cobs, coal or wood for fuel. Body is made of No. 18 galvanized steel with only one seam, which is asbestos, packed and lies right back of cold air chamber, and is not affected by the heat. Bottom is cast on, thus making a perfectly water tight and fire proof joint with no packing or bolts to burn out, and will not become leaky in years of constant use. They never get out of repair. Perfectly safe and reliable. Can be used in any building as a stove, if desired, without injury to heater or danger to building.

Easily fastened to our Galvanized Steel Tanks. When Tank and Heater are ordered shipped together, tank will be arranged to receive Heater, if we are advised what part of tank Heater is to set in. If Heaters are preferred with sides not galvanized they will be furnished at same price. We guarantee our Heaters in every respect and assure our patrons that at the prices named there is nothing on the market that will compare with them.



Price List.—No. 2, Complete with Shovel, Poker, Stack, Spark Arrester, \$4.00. No. 1, same as No. 2, \$5.00.

THE ECONOMY FARMERS' BOILER AND FEED COOKER.

This is the original low down Feed Cooker. Others have imitated, but none have equaled the **Economy** in durability and construction.

There are more **Economy Feed Cookers** in use than all imitations put together. The Kettles are of smooth, heavy cast iron, and will last a lifetime. The furnace or jacket is of heavy cold rolled steel and very durable.

We guarantee this **Feed Cooker** never to buckle or warp from the heat. It is designed to set on the ground or brick foundation, and is especially adapted for cooking feed, trying out lard, making soap, scalding hogs and poultry, and all work of this nature. Cast iron flues are constructed inside of this, retaining the heat and greatly economizing fuel. Cast iron fixtures for coal furnished if required.

All manufacturers of Farmers' Boilers have, in the past, greatly overrated their capacity. Below we give actual capacity and usual rating.

MADE IN FOUR SIZES.

Actual Capacity.	No.	Usual Rating.	Shipping Weight.	Factory Price.	Our Price.
1 Bbl.	2	40 gals.	175 lbs.	\$13 00	\$ 8 15
1 1/2 "	5	60 "	200 "	15 50	9 75
2 "	8	70 "	215 "	18 00	12 50
2 3/4 "	12	100 "	275 "	24 00	14 75
Cast Iron Fire Pot for Coal.....				4 50	3 00

Takes Third Class Freight. Height, 29 and 31 inches. Burns Wood or Coal.
Send for Special Circular Cookers and Heaters.



STILLWATER, OKLA., Oct. 3, 1901.—I run my Hancock Disc Gang in red gumbo sod. It did the work fine.
THOS. POTTER.

RUSH, OKLA., May 9, 1901.—Your Hancock Disc Sulky, I must confess, runs easier with 2 horses than my 14-inch walking plow. Everybody is interested and surprised.
THOS. RIDER.

GARNOR, OKLA., May 10, 1901.—I ordered a Disc Plow of you, and I want to say that no money could buy it if I could not get another. It will work right along with the ground baked as hard as a brick.
FREDERICK STERLING.

GOOD HOPE, ILL., Oct. 22, 1901.—Tried the Disc Gang in hard stubble field yesterday, where the ground was hard and dry. It worked to my entire satisfaction with only 3 horses.
J. H. BONEWELL.

ACME PORTABLE CORN CRIB.

Practical, Cheap, Convenient. Just what the farmer needs.
 Comes rolled up in a bundle.



PRICE LIST.

HEIGHT.	DIAMETER.	CAPACITY.	REGULAR PRICE.	CUT PRICE
8 feet.	12 ft. Wt. 800	500 bu.	\$15 00	\$11 70
8 feet.	16 ft. Wt. 400	500 bu.	20 00	15 60
8 feet.	20 ft. Wt. 500	1400 bu.	25 00	20 50
8 feet.	24 ft. Wt. 600	2000 bu.	30 00	23 40

ACME PORTABLE CORN CRIBS are made of heavy staves 1 inch thick, dressed on both sides and beveled to an edge so as to allow the wires to fit closely around them and not be injured by the twist. These staves are woven between six sets of No. 10 galvanized steel wires at distance of about 1½ inches apart, thus allowing ample ventilation. A gate is provided at the bottom to empty the crib. On the inside, below and above the gate, and at the top of the crib, are iron stay rods to prevent the crib from spreading while the door is open, and also allows an opening to be made the entire length of the crib large enough to set a shelter. The crib is shipped all rolled up in a bundle, and requires no tools nor mechanics to erect it. The fastening attachments are all properly secured, and all that is necessary is to stand it in a circular form, latch it together and fill it. Ten or fifteen minutes is all the time it should take to erect a crib. If your corn fields are a long distance from the house you can save time and money during the corn husking season by erecting cribs convenient to the fields and filling them, and hauling the corn during the less busy months of winter. When shelling, if you use more than one crib, as soon as one is empty take it around and set it under the cob carrier, where it will receive the cobs from the other cribs of corn and keep them in good condition for fuel. The cribs being portable, may be taken down and removed as often as desired thus preventing them from becoming a harbor for rats and mice

ACME NO. 2 CORN CRIB.

One cent per bushel. Saves double its cost. A cheap crib for cheap corn. Shipped in bundles. No tools needed for erection.



PRICE LIST No. 2 CRIBS.

No. 1.	600 bu. capacity, \$3 45	No. 2.	900 bu. capacity, \$7 00
No. 3.	1300 bu. capacity, \$8 50	No. 4.	1500 bu. capacity, \$9 80

There has been a demand in some sections for something in the Crib line cheaper than our regular Portable Corn Crib. There is nothing which can be produced to compete with this when durability and convenience are taken into consideration.

We offer, however, our Slat Fence Crib made of hardwood fence lathe 2½ inches, four feet high, woven between four strands of No. 1 galvanized steel wire pickets 1½ inches apart. We put this cribbing up in four sizes. This is set up one section above the other, making the Crib eight feet high. To the outside of the bundle which is intended for the lower section of the Crib we attach three wire cables which are to fasten inside of the door opening to prevent the Crib from spreading when the door is open.

Directions for erecting the Crib sent with same

Price List Acme Slat Fence. Pointed and Painted.

Pickets ½ inch thick, 1½ inch wide, 4 feet long. Pointed and dipped in an alkaline solution colored Red.

3 Cables, Pickets 8 inches apart, per rod.

8	"	"	2½	"	"
8	"	"	3	"	"
4	"	"	3	"	"
4	"	"	2½	"	"
4	"	"	3	"	"
5	"	"	3	"	"
5	"	"	2½	"	"

Prices subject to change. Write for Prices.

HAPGOOD WOVEN WIRE FENCING.

Made of Best Galvanized Wire. Will not Sag.



This is the best Woven Wire Fence made, and has no equal. The line wires running as they do through the mesh wire forms a truss which prevents sagging. IT WILL NOT SAG.

For ordinary Farm Purposes, we recommend the use of this Extra Fencing 48 inches high, 3½x13 mesh No. 14 Wire.

For Hog Pastures where it is used in connection with barbed wire, we recommend the 23 or 25 inch Extra, 3½x13 mesh No. 14 Wire, and of these sizes we sell large quantities for the purposes named.

List Price of Hapgood Woven Wire Fencing.

BARGAIN PRICE.

Seivage two strands No. 13½ Wire. Line Wires, No. 12½. Mesh Wires No. 14.

23 inches wide, 3½ by 12-inch mesh	Prices subject to change. Write for Prices.
30 inches wide, 3½ by 12-inch mesh	
48 inches wide, 3½ by 12-inch mesh	

The best Farm Fence made. Will make you lower price than any one.

SEND FOR FULL CATALOGUE OF THESE GOODS.

SHEEP AND HOG FENCE.

This cut represents the use of our "Extra" Fencing in connection with barbed wire. We make only the woven wire part of it. This fence is used largely by sheep breeders, as it prevents the wool being torn from the sheep, and by hog breeders, as it absolutely prevents hogs from getting out of the enclosure. Rail-roads use it to protect against small stock. We sell large quantities of this "Extra" 28 and 30 inches wide for this purpose.



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 \$5 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. Is one 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.

PRICING LIST.		WT.	
No. 1. Capacity, 7 Cubic Feet.	102 lbs	.....	\$5 50
No. 2. " " " "	94 "	.....	5 45
Runners, Extra	8 "	.....	80
Double Bottoms, Extra	6 "	.....	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.

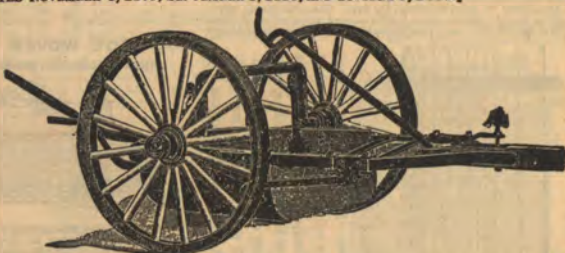
No Whiffletrees or Neck-Yokes furnished with Scrapers.

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 strain on horses' necks.

No. 1. Capacity, 10 cubic feet. Weight, 650 lbs

No. 2. Capacity, 10 cubic feet. Weight, 400 lbs

depth, 14 ins.; all inside measurement. Tracks, 4 feet 7 inches. Weight, 800 lbs

No. 1. Capacity, 17 cubic feet. Weight, 400 lbs

depth, 16 ins.; all inside measurement. Tracks, 5 feet 2 ins. Weight, 744 lbs

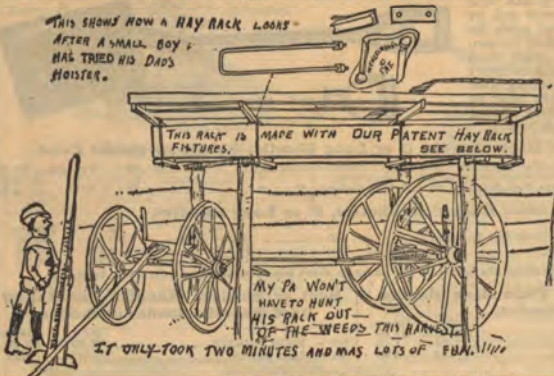
No. 3 has Draft-Rod. No 2 sent with Draft-Rod only when specially ordered. "Sarven Patent" Wood Wheels on these

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 UNIVERSAL HOISTER,

THIS SHOWS HOW A HAY RACK LOOKS
AFTER A SMALL BOY
HAD TRIED HIS DAD'S
HOISTER.



IT ONLY TOOK TWO MINUTES AND WAS LOTS OF FUN!!!

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

LIGHTNING BAG AND SACK HOLDER. (PATENTED.)

Yes, you can buy a bag holder for a couple of dollars or more, but we will sell you a better one for 25c, and we will deliver it to you anywhere in the United States for this price.

This is not only a bag holder but a sack holder as well. It is self adjusting. The upper part is well adapted to hold in one hand while bran or grain is scooped in with the other hand. In this way it is very convenient for millers and others. Also is perfect for holding the mouth of bag open if you want to fill in the bin by drawing the grain in with your hands.

Drive a nail in the wall or fence anywhere. The bag is attached and detached as quick as lightning. Hence, the name. Don't think because it's cheap it is not good. If you don't consider it as good as any bag holder you ever saw, and far more convenient, send it right back and get your money. After you get one you will want another or several. You will find several around the farm as convenient and desirable as pockets in your everyday suit of clothes.

Remember, Only 25 Cents For the Best Bag Holder on Earth.

2 for 45c. 3 for 60c.

Postage 8c each. Sent with your goods costs nothing for freight.



Push a stake in the ground anywhere and fill with Potatoes, Corn or anything desired.



THE "SIMPLEX" RATCHET.

THE SIMPLEST, CHEAPEST AND BEST "MIDDLE-OF-THE-FENCE" RATCHET MADE.

Does away with boring holes in the end posts, which saves the wire from rusting and finally breaking. Can be tightened with an ordinary monkey wrench, or any wrench that will fit it. Goes on the fence at any point between the posts. Send to us for sample.

Price, 5c each; 55c per dozen, or \$4.00 per hundred.



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 \$2.50 for the 8 steel clamps, to say nothing of the 8 washers, the brackets, flanged and studded, 8 clips, etc. Our Special Price..... \$1.35

OUTFIT No. 2.—Outfit No. 2 consists of the same number of pieces as Outfit No. 1, but the clamps are 16 inches long, as a few people desire to use 2x6 for top cross pieces. Price..... \$1.40

Send for a Set. Thousands Now in Use.

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.



Farmer's Forge, No. 5 B. Will heat
 1½-in iron. Price, separate, \$6.00



Blacksmith's Drill Press,
 Hand Feed,
 Wt. 50 lbs., \$6.00.



Adze Shoeing Hammer and Handle,
 Wt. 9 ounces, 55c.



Screw Plate, 3 Taps, 3 Set Dies, Cuts ¼,
 ⅜ and ½ inch, \$4.50.



Farrier's Pinchers, Cast Steel, 11 in., 35c



Blacksmith's Cold Chisel,
 1½ lb. Solid Cast
 Steel, 55c.



Blacksmith's Hot Chisel,
 1½ lb. Solid Cast
 Steel, 55c.

Blacksmith's
 Hammer
 and Handle,
 wt. 3 lbs., 85c.



Farrier's Knife, Wostenholm, 55c.



Blacksmith's Tong, 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 4½x9 inches; jaws 8 inches wide and open 4 inches.
 Our Drill is not a cheap bench drill, but a Genuine Blacksmith's Post Drill with Adjustable table. Drills ¼-inch hole in
 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 diam-
 eter. 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 guaran-
 teed. 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..... 80c
 5 "..... 50c 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
 ever saw. Hand you another order. A. P. RICKS.

Wear Your Harness, Belts, Straps, Etc.,
WITH THE
**HOUSEHOLD
HARNESS MENDER!**

PRICE PER SET, \$1.50.



IT WILL SAVE YOU TIME, TROUBLE AND MONEY.

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.

44 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, 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 Work, | 4 Pairs Heel Plates, assorted sizes, |
| 1 Iron Stand for Lasts, | 6 Harness Needles, |
| 1 Shoehammer, | 1 Harness and Saw Clamp, |
| 1 Shoeknife, | 1 Box Slotted Rivets, assorted sizes, |
| 1 Peg Awl Handle, | 1 Rivet Holder for same, |
| 1 Peg Awl, | 1 Harness and Belt Punch, |
| 1 Wrench for Peg 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 Last for Men's Work, | 1 Peg Awl Handle, |
| 1 Last for Boys' Work, | 1 Peg Awl, |
| 1 Last for Women's Work, | 1 Wrench for Pegging Awl, |
| 1 Shoehammer, | 1 Sewing Awl Handle, |

A Complete Outfit of Tools and
Materials for

**BOOT and SHOE
REPAIRING.**

PRICE, 60c.

- | |
|----------------------------|
| 1 Sewing Awl, |
| 1 Stabbing Awl Handle, |
| 1 Stabbing Awl, |
| 1 Pkg. Heel Nails, |
| 1 Pkg. Clinch Nails, |
| Directions for Halfsoling. |

No. 80.

KITCHEN CABINET.



No. 80 Kitchen Cabinet.
Top, 28x48 inches—K. D.

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. 53 lbs., \$4.25 net.

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, |

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.

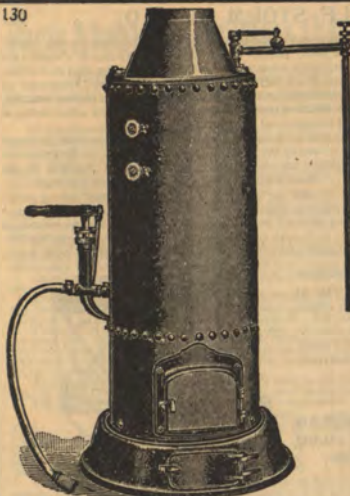


PRICE, \$1.35.

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 Work, | 1 Bunch Bristles, |
| 1 Iron Stand for Lasts, | 1 Ball Shoe Thread, |
| 1 Shoehammer, | 1 Ball Shoe Wax, |
| 1 Shoeknife, | 1 Pkg. Clinch Nails, 4-8 in., |
| 1 Peg Awl Handle, | 1 Pkg. Clinch Nails, 4 in., |
| 1 Peg Awl, | 1 Pkg. Clinch Nails, 6-8 in., |
| 1 Wrench for Peg Awl Handle, | 1 Pkg. Heel Nails, |
| 1 Sewing Awl Handle, | 4 Pairs Heel Plates, assorted sizes, |
| 1 Sewing Awl, | 6 Harness Needles. |
| 1 Stabbing Awl Handle, | |

Securely Packed in Neat, Wood Case.



Best Boiler and Steam Feed Cooker on Earth, "THE HAPGOOD." THIS IS IT.

We wish to call your attention to the fact that one of the strongest points of our Boiler is that it is furnished with a Force Pump so that the operator may put water in at any time without letting down the steam and stopping the progress of the cooking.

The Trimmings include two Gauge Cocks, Blow-off Cock, Pump for supplying the Boiler with water, Safety Valve, 2 feet 1-inch Suction Hose, 8 feet Steam Pipe with Safety Valve to convey steam to barrel or vat, for cooking feed or boiling water.

We believe that there is a strong demand for a good, reliable Farm Boiler for cooking feed and numerous other work, and we believe we have succeeded in finding a Boiler which is superior to anything on the market. It is made from Boiler Steel and has regular Lap Welded Boiler Flues, making it very durable and strong, and with ordinary care it should last a lifetime. These Boilers are well riveted and corked, and are tested to 100 pounds hydraulic pressure. They are made of heavy and good material, and have a number of Boiler Flues passing directly through the water, thereby distributing the heat, and requires less fuel than other Boilers. The Boiler is provided with Grates, which adapt them to the burning of all kinds of fuel, such as coal, wood, corn cobs, etc.

The Hapgood Steam Boiler will steam or cook any kind of food placed in a barrel or vat with but little care or without danger of burning, thus overcoming the objections to a kettle or cauldron. It will steam mouldy hay or corn perfectly sweet; steam dry corn stalks and straw so that they will become soft and palatable, and cook potatoes so as to render them digestible and valuable for feed. It will also enable a farmer to save one-third to one-half of his corn and other feed and at the same time make his stock thrive better. It will save labor in feeding rather than increase it, as stock fatten much quicker when their food is cooked.

In addition to the above the Hapgood Boiler can be used for heating water for a variety of purposes, for steaming casks and milk cans, steaming wood for bending, heating cheese vats, steaming wheat, curing tobacco, etc., and when fitted up for high pressure work is suitable for heating jacket kettles, running small engines, getting up steam in large boilers where oil burners are used, etc. FULL INSTRUCTIONS SENT WITH EACH BOILER. SEND FOR FULL CATALOGUE.

Size No.	Diameter of Body.	Height of Body.	No. of 2-in. Flues.	Length of Boiler Over All.	Shipping Weight.	Price F. O. B. Chicago, Net Price.
3	19 in.	40 in.	9	54 in.	365 lbs.	\$25 00
4	19 in.	44 in.	13	58 in.	435 lbs.	26 00

Steam Gauge, extra, \$1.75. Water Gauge, \$1.25. Whistle, \$1.75.

Perfection Gasoline Engines.

We have not the space in this general catalogue to fully illustrate or describe the many features of superiority which we claim over any other engine, but we want to say that we have devoted a great deal of time and expense to investigating this subject for the purpose of finding for our customers the best machine for the least money.

We have not attempted to find the cheapest machine, but in our search have found a number of machines that are absolutely not worth anything, and we do not handle such goods at any price.

Some of the features we claim for our machine are simplicity, ease in starting, high grade material, absolutely safe, unequalled for durability, horse power fully up to our guarantee.

Many of the uses of our engine are running Cream Separators, pumping water, sawing wood, grinding feed, elevating grain, running machine shops. Also used for any other purpose for which power is used.

We solicit your inquiries and the privilege of sending our

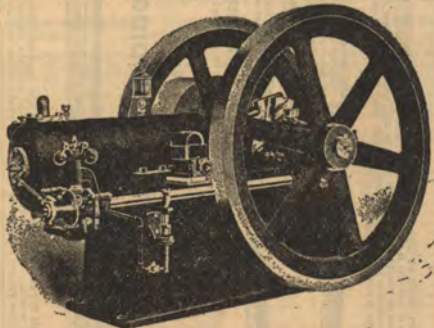
complete descriptive catalogue and circular, and will be glad to give you any information which you may need, which will enable you to place your order intelligently and know that you are getting the best. We make from 2½ to 20-horse-power engine.

We send full directions and we guarantee that our price, quality considered, cannot be duplicated any place on earth. We solicit your inquiries if you are interested, and the privilege of submitting to you full information and our wholesale prices.

2½ Horse Power Perfection Gasoline Engine, with complete standard equipment, \$126.00.

If quick acting igniting dynamo is not wanted deduct \$4.00.

Complete detailed information sent on request.



PERFECTION VESTIBULE STORM SHIELD.

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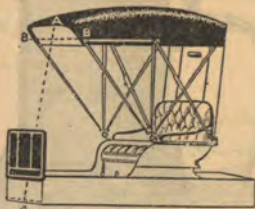
The cut No. 2 shows how to order. Give us the distance from A to A and B to B, the width of body below the dash, width of dash at widest point, width of dash rail at widest point, state whether dash is straight or curved.

Will save three times its price in doctor bills for your family every year, to say nothing of the pleasure and comfort derived. We hope to have your order

Perfection Vestibule Storm Shield.

C. O. D. Price **\$10.50**
Cash with Order Price **10.00**

For our western trade can ship from Kansas City at 40c. additional.



Cut No. 2.

Perfection Post-Hole Digger.

MADE TO PERFECTION
IN EVERY PARTICULAR.

THE LATEST AND BEST DIGGER OUT.

This DIGGER contains the improvements of all other Diggers, besides possessing many advantages which others do not have. The shovels 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
Shorter Blades, 75c

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 three times as much work as with any other Auger or Digger can now be done; and, moreover, the soil may be removed from the hole 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 their 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.

6 8 10
\$1.50 \$1.65 \$1.97

Vaughan's Augers, 55c each.

SPLIT HANDLE DIGGER.



The merits of this Digger are known to the 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 apart the soil is thrown out. The blades are made of the best material, and the tool can be used as separate shovels; it is often used in gravel soil; from that source it has secured many testimonials warrant this Digger as being made of better material and workmanship than similar goods offered by our competitors. The Blades are made of Solid Steel, and are thoroughly tempered.

PRICE, 85c

These goods carried in stock and shipped from Alton with other goods.

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, 30 cts. Second Class, 45 cts. Third Class, 55 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 80c., 65c., 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 locals 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 14 miles, is 1st class, 35¢; 2d class, 3¢; 3d class, 2¢; 4th class, 1¢. The Railroad Company being allowed to charge local state rates.

The rate on the same goods to Louisiana, Mo., nine miles farther west across the river, passing through Pleasant Hill, Ill., is 1st class, 25¢; 2d class, 20¢; 3d class, 15¢; 4th class, 10¢. To Kansas City, 300 miles, only, 1st class, 60¢; 2d class, 45¢; 3d class, 35¢; 4th class, 25¢. 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 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, 60¢; 2d class, 45¢; 3d class, 35¢; 4th class, 25¢, 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.....	\$1.50	\$1.15	\$0.97	\$0.80	Montana.....	\$2.10	\$2.00	\$1.50	\$1.00
Oklahoma and Ind. Ter.....	1.30	1.10	.97	.80	New Mexico.....	2.10	1.10	1.00	.80
Colorado.....	1.35	1.25	1.15	.92	Oregon.....	2.20	1.05	1.00	.80
Idaho.....	1.10	2.00	2.35	1.94	Utah and Wyoming.....	2.50	2.45	1.50	.80
California.....	2.40	2.35	2.00	1.70	Washington.....	2.80	2.05	1.50	.80

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 30 cts. a hundred first and second class; 10 cts. a hundred third class and 5 cts. a hundred fourth class less than Chicago rates, and the 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 us as they are to us or any one else. We do not, 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. Where there is no Agent and the freight must be prepaid, always send enough to cover the full amount and the balance can be remitted to you with your invoice.

HAPGOOD PLOW 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, Disc Mills, Disc Harrows, Drag Scrapers, Cider Mills.
Cultivators, all kinds, Feed Cuts, Horse Powers, Corn Planters, Rollers, Hay Carriers, Twine.
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, Barb Wire, Nails, Etc., Steel Trucks, Steel Wheels.

FOURTH CLASS.

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, Case 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 crushing 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.....	\$1.50	\$1.15	\$0.97	\$0.80
Dallas, Texas, to Smithville, Texas.....	.85	.80	.67	.50
Alton to Henrietta, Texas.....	1.30	1.10	.97	.80
Dallas to Henrietta, Texas.....	.70	.65	.60	.45
Alton to Cherokee, Ia., and Lemars, Ia.....	.90	.65	.60	.45
Burlington to Cherokee, Ia.....	.70	.60	.55	.40
Burlington to Lemars.....	.75	.55	.50	.40
Alton to Huron, S. Dakota.....	1.40	1.05	.75	.50
Minneapolis, Minn., to Huron, S. Dakota.....	.80	.65	.55	.40

Not so much difference as you would expect.

	1st C.	2d C.	3d C.	4th C.
Alton to Laverne, Minn.....	.80	.65	.55	.40
Minneapolis, Minn., to Laverne, Minn.....	.67	.45	.35	.25
Omaha, Neb., to Syracuse, Neb.....	.40	.35	.30	.20
Alton, Ill., to Syracuse, Neb.....	.65	.50	.35	.25
Omaha, Neb., to Falls City, Neb.....	.40	.35	.30	.20
Alton, Ill., to Falls City, Neb.....	.60	.45	.35	.25

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 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.	\$ 1 18	\$.98	\$.86	\$.89	Freight on top buggies.	1 47	1 23	1 08	87
Montgomery.	90	75	65	80	Dowson.	8 80			
Freight on top buggies.	1 41	1 28	1 09	86	Ellsworth, Lyons.	1 16	95	78	61
	5 60				Emporia.	1 21	1 71	85	67
ARIZONA.					Freight on top buggies.	1 04	85	70	54
Kingman.	8 70	3 20	2 60	2 05	Great Bend.	6 20			
Prescott.	8 52	8 60	2 80	2 23	Garden City.	1 26	1 08	85	68
Freight on top buggies.	21 00				Garnett, Iola.	1 47	1 28	1 11	90
Chicago rates higher.	20	20	10	5	Hill City Lenora.	87	68	56	41
ARKANSAS.					Harper.	1 32	1 09	94	79
Carlisle.	1 15	98	76	54	Hoxie.	1 27	1 05	87	69
Hardy.	1 25	1 10	90	69	Hutchinson.	1 39	1 16	1 00	84
Lake.	1 22	1 05	85	60	Holton.	1 19	95	81	64
Fl. Smith.	1 25	1 08	85	64	Kingman.	70			
Freight on top buggies.	7 50				Freight on top buggies.	1 21	1 00	83	67
Malvern.	1 30	1 12	94	77	Kirwin.	7 35			
Freight on top buggies.	7 80				Lincoln.	1 19	99	84	70
Texarkana.	1 30	1 15	97	83	Finley.	1 38	1 16	96	82
CALIFORNIA.					Lincolnville.	1 11	90	78	67
Common Point Rates.	2 40	2 15	2 06	1 70	Lawrence.	82	64	50	40
These freight rates apply to a great many points in the State.					Larned.	1 32	1 09	90	74
Los Angeles.	2 40	2 15	2 00	1 70	Freight on top buggies.	7 92			
Freight on top buggies.	14 40	Sulky	plow, \$8 00		Mankato.	1 15	92	75	59
Chicago rates higher.	20	20	10	5	Medicine Lodge.	1 80	1 07	91	75
COLORADO.					Freight on top buggies.	1 50			
Denver.	1 85	1 45	1 15	92	Mesa.	1 80	1 25	1 05	88
Freight on top buggies.	11 00				Ottawa.	85	66	52	40
Garrison.	2 78	2 42	1 94	1 53	Oswego.	93	76	64	48
Chicago rates higher.	20	20	10	5	Pratt.	1 34	1 12	92	75
FLORIDA.					Freight on top buggies.	75	57	47	36
Jacksonville.	1 38	1 16	1 06	98	Plainsville.	1 21	1 01	86	73
Pensacola.	1 13	96	84	64	Peabody.	1 15	98	77	60
Tallahassee.	2 07	1 77	1 68	1 38	Parsons.	87	68	56	41
Freight on top buggies.	12 42				Russell.	1 24	1 03	85	67
GEORGIA.					Stockton.	1 21	1 01	86	73
Macon.	1 50	1 28	1 12	91	Syracuse.	9 24			
Savannah.	1 38	1 16	1 06	98	Sedan.	1 10	92	77	50
West Point.	1 78	1 54	1 36	1 11	Seneca.	72	57	43	35
IDAHO.					Smith Center.	1 16	95	78	61
Common point rates.	3 10	2 60	2 35	1 94	Topeka.	89	69	54	42
These freight rates apply to a great many points in the State.					Toronto.	1 04	85	71	58
Boise City.	3 10	2 60	2 35	1 94	Wa. Keeney.	1 34	1 11	96	80
Boise Falls.	3 10	2 60	2 35	1 94	White City.	1 10	88	71	55
Bellevue.	3 00	2 60	2 35	1 47	Walnut.	87	68	56	41
Chicago rates higher.	20	20	10	5	Washington.	95	76	62	47
ILLINOIS.					Wallace.	1 49	1 25	1 07	89
Bloomington.	44	34	29	21	Wichita.	1 19	98	81	64
Springfield.	34	24	24	16	Chicago rates higher.	20	20	10	5
Mattoon.	43	34	24	16					
Centralia.	47	36	24	22					
Galesburg.	46	34	29	23					
Streator.	60	49	39	31					
Oakland.	57	47	39	30					
Kinmundy.	57	47	39	30					
INDIANA.									
Elkhart.	57	49	38	28					
Freight on top buggies.	3 40								
Indianapolis.	57	49	38	28					
New Albany.	57	49	38	28					
Noblesville.	34	33	24	17					
INDIAN TERRITORY.									
Atoka, Caddo.	1 30	1 13	97	69					
Claremore.	1 10	97	75	55					
Tulala.	1 10	98	75	55					
Edwata.	1 15	98	82	65					
Winita.	1 15	98	72	55					
Freight on top buggies.	6 28								
Chicago rates higher.	20	20	10	5					
IOWA.									
Northwood.	53	52	42	26					
Cherokee, Sibley, LeMars.	80	65	45	34					
Red Oak, Council Bluffs.									
Hastings.	60	45	35	27					
Burlington.	40	32	24	17					
Dubuque.	47	37	29	22					
Freight on top buggies.	8 60								
Oswego.	53	42	31	23					
Freight on top buggies.	3 18								
Sioux City.	80	65	45	32					
Freight on top buggies.	4 80								
Webster City.	61	50	36	26					
Chicago rates higher.	20	20	10	5					
KANSAS.									
Atchison, Hiawatha.	60	45	35	27					
Freight on top buggies.	3 60								
Abilene, Concordia.	1 11	90	78	57					
Alma, Osage City, Wamego.	97	79	63	60					
Almena.	1 29	1 07	92	77					
Arkansas City, Wellington.	1 22	1 00	83	67					
Burlington.	1 04	81	67	58					
Beloit, Salina.	1 16	95	77	61					
Freight on top buggies.	6 95								
Bucklin.	1 45	1 21	1 03	85					
Colby.	1 41	1 19	1 03	85					
Council Grove.	1 69	85	70	55					
Cornwood Falls.	1 13	89	72	45					
Cherryville.	99	81	67	51					
Canton, Newton.	1 18	97	80	63					
Clay Center, Junction City.	1 10	90	72	55					

RATES OF FREIGHT FROM ALTON TO POINTS NAMED BELOW.—CONT'D.

MISSOURI CONTINUED.				
	1st C.	2d C.	3d C.	4th C.
Lebanon, Springfield.....	70	55	45	35
Mexico.....	47	36	26	21
Marshall.....	58	43	33	26
Macon.....	53	40	30	23
Neosho.....	67	50	40	31
Rolla.....	58	47	35	28
Poplar Bluff.....	90	71	61	49
Chicago rates higher.....	20	20	10	5

MONTANA.				
	1st C.	2d C.	3d C.	4th C.
Common point rates.....	3 10	2 60	2 10	1 75
Covering over 100 towns in the State.....				
Butte, Garrison, Helena.....	3 10	2 60	2 10	1 75
Billings.....	2 55	2 40	1 98	1 65
Glendive.....	2 15	1 66	1 41	1 21
Chicago rates higher.....	20	20	10	5

NEVADA.				
	1st C.	2d C.	3d C.	4th C.
Carson City.....	3 35	3 45	2 85	2 30
Eureka.....	3 70	3 30	2 60	2 05
Hawthorne.....	5 10	4 20	3 60	3 05

NEW MEXICO.				
	1st C.	2d C.	3d C.	4th C.
Common point rates.....	2 12	1 90	1 76	1 62
These freight rates reach a great many points in the State.....				
Albuquerque, Santa Fe.....	2 15	1 90	1 76	1 62
Alfon.....	1 74	1 66	1 43	1 36
Cambray.....	1 98	1 76	1 62	1 54
Deming.....	2 12	1 90	1 76	1 62
Gallop.....	3 05	2 78	2 43	2 05
Raton.....	2 04	1 83	1 68	1 54
Rogers.....	1 47	1 31	1 20	1 15
Roswell.....	2 12	1 90	1 76	1 62
Sepul.....	2 38	2 15	1 96	1 78
White Water.....	2 30	1 98	1 82	1 66
Chicago rates higher.....	20	20	10	5

NORTH CAROLINA.				
	1st C.	2d C.	3d C.	4th C.
Asheville.....	1 57	1 36	1 15	98
Payetteville.....	1 53	1 22	1 06	79
Raleigh.....	1 46	1 25	1 00	73
Shelby.....	1 65	1 44	1 19	91
Weldon.....	1 40	1 20	97	70
Wilmington.....	1 40	1 19	98	71

NEBRASKA.				
	1st C.	2d C.	3d C.	4th C.
Albion.....	1 23	1 03	88	73
Albion.....	60	45	35	27
Ashtand.....	65	50	39	31
Aurora.....	1 04	84	70	55
Avoca, Elwood, Hickman, Lincoln.....	65	50	39	31
Beatrice.....	1 28	1 08	98	77
Beaver City.....	1 31	1 09	92	74
Broken Bow.....	1 37	1 16	1 00	81
Culbertson.....	1 31	1 09	92	74
Columbus.....	95	75	62	48
Crete.....	75	60	47	37
Central City.....	1 40	89	73	65
David City.....	1 11	90	73	67
Edgar, Grand Island, Hastings.....	1 11	90	73	67
Eustis.....	1 33	1 09	95	76
Fairbury, Fairmont.....	95	75	62	48
Fullerton.....	1 10	89	76	62
Guide Rock.....	1 21	90	74	67
Gothenburg.....	1 35	1 13	95	79
Holdredge.....	1 24	1 04	87	72
Hebron.....	1 04	84	68	52
Harvard.....	1 05	86	71	57
Hemingford.....	1 65	1 42	1 21	96
Kearney.....	1 15	96	79	64
Lexington.....	1 25	1 08	93	70
Litchfield.....	1 26	1 08	92	70
Minden.....	1 15	96	79	64
Madison.....	1 04	85	70	54
North Platte.....	1 08	1 18	1 00	82
Norfolk.....	1 05	85	66	50
Omaha.....	1 00	80	65	52
Osceola.....	93	74	62	49
Ogallala.....	1 48	1 21	1 06	86
Ord.....	1 30	1 08	92	73
O'Neill.....	1 23	96	79	63
Plainview.....	1 09	79	71	54
Red Cloud.....	1 14	98	73	59
Seneca.....	1 39	1 17	1 01	82
St. Paul.....	1 11	91	77	65
Seward.....	1 25	1 06	88	71
Shelby.....	1 05	85	66	50
Wallace.....	1 40	1 19	1 02	84
West Point.....	98	75	61	48
York.....	95	76	62	52
Chicago rates higher.....	20	20	10	5

NORTH DAKOTA.				
	1st C.	2d C.	3d C.	4th C.
Bismarck.....	1 30	1 47	1 19	99
Bottineau.....	1 52	1 49	1 21	1 01
Cando.....	1 73	1 41	1 14	98
Grand Forks.....	1 55	1 31	1 08	98
Minot.....	1 75	1 44	1 16	97
Jamestown.....	1 55	1 26	97	75
Wahpeton.....	1 20	1 00	85	69

OKLAHOMA.				
	1st C.	2d C.	3d C.	4th C.
Common point rates.....	1 30	1 09	97	83
Alva.....	1 30	1 15	97	88
Elgin.....	1 30	1 09	97	79
El Reno.....	1 30	1 09	97	79
Guthrie, Kingfisher.....	1 30	1 09	97	79
Hennessey.....	1 30	1 09	97	79
Medford.....	1 30	1 07	90	78
Newkirk.....	1 30	1 01	84	71
Norman.....	1 30	1 09	97	79
Oklahoma City.....	1 30	1 09	97	79
Perry.....	1 30	1 09	97	79
Woodward, Wynoka.....	1 30	1 13	97	90
Chicago rates higher.....	20	20	10	5

OREGON.				
	1st C.	2d C.	3d C.	4th C.
Common point rates.....	3 60	3 05	2 55	2 05
Covering a great many points in the State.....				
Arlington, Baker City, Huntington.....	3 60	3 05	2 55	2 05
Portland, Salem.....	2 40	2 30	1 98	1 56

SOUTH CAROLINA.				
	1st C.	2d C.	3d C.	4th C.
Anderson.....	1 09	1 53	1 22	98
Charleston, Port Royal.....	1 38	1 16	1 06	92

SOUTH DAKOTA.				
	1st C.	2d C.	3d C.	4th C.
Aberdeen.....	1 40	1 30	65	65
Canton.....	93	67	47	33
Eureka.....	1 50	1 25	95	70
Huron.....	1 24	1 05	75	51
Mitchell.....	1 15	98	71	52

TENNESSEE.				
	1st C.	2d C.	3d C.	4th C.
Clarksville.....	84	72	62	49
Jackson.....	1 01	87	73	59
Harris.....	84	73	61	48
Knoxville.....	1 29	1 11	98	73
Memphis.....	70	63	50	44
Nashville.....	81	69	59	44

TEXAS.				
	1st C.	2d C.	3d C.	4th C.
Common point rates.....	1 30	1 13	97	80
Covering a great many points in the State.....				
Austin, Dallas, Hillsboro, Minneola, Sherman, Smithville, Waco.....	1 30	1 13	97	80
Eagle Pass.....	1 42	1 26	1 15	1 10
Magnolia, Tascosa.....	1 49	1 31	1 14	1 06
Memphis.....	98	1 13	1 01	94
Panhandle.....	1 40	1 22	1 05	97
Houston.....	1 30	1 13	97	80
Chicago rates higher.....	20	20	10	5

UTAH.				
	1st C.	2d C.	3d C.	4th C.
Common point rates.....	2 90	2 45	2 05	1 70
Covering a great many points in the State.....				
Ephraim, Manti.....	3 10	2 62	2 21	1 84
Price.....	3 45	2 98	2 57	2 16
Milford.....	3 40	2 88	2 51	2 14
Chicago rates higher.....	20	20	10	5

VIRGINIA.				
	1st C.	2d C.	3d C.	4th C.
Martinsville.....	1 35	1 16	98	69

WASHINGTON.				
	1st C.	2d C.	3d C.	4th C.
Common point rates.....	3 60	3 05	2 55	2 05
Covering a great many points in the State.....				
Colfax, Dayton.....	3 60	3 05	2 55	2 05
Olympia, Seattle.....	2 40	2 15	2 00	1 70
Chicago rates higher.....	20	20	10	5

WEST VIRGINIA.				
	1st C.	2d C.	3d C.	4th C.
Roscovert.....	84	72	55	47
Wheeling.....	54	47	34	24

WISCONSIN.				
	1st C.	2d C.	3d C.	4th C.
Beloit, Madison.....	53	43	33	26
Superior.....	78	66	53	34

WYOMING.				
	1st C.	2d C.	3d C.	4th C.
Common point rates.....	2 90	2 45	2 05	1 74
Covering a great many points in the State.....				
Douglas.....	2 45	2 22	1 65	1 38
Evanson.....	2 90	2 45	2 05	1 74
Sheridan.....	2 90	2 15	1 80	1 50
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 gall. 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 BUYERS 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,

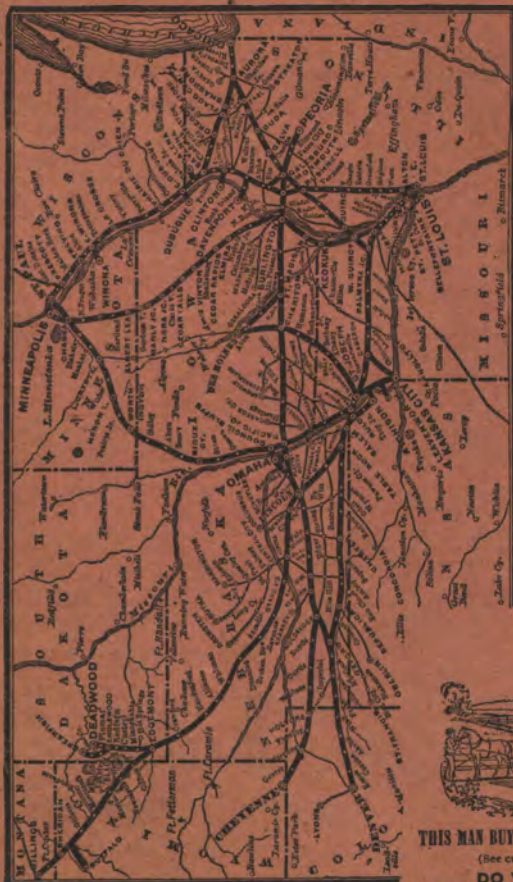
HAPGOOD PLOW CO., Alton, Ill.

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?