

The HERTZLER & ZOOK

Line of Agricultural Implements

**Sold direct to the Consumer
No Middleman's Profits**



**HERTZLER & ZOOK COMPANY
BELLEVILLE, PENNA.**

Catalog No. 7

RETAIN THIS

Our Latest Cut-Price Catalogue as it shows a saving of 5% to 25%
on any competitor's prices.



WE DIVIDE THE PUDDING WITH OUR CONSUMER FRIENDS

YES, SIR, we do; we cut it square in two and give our consumer friends a big half, because we save them money on every article listed in this book. From cover to cover every page is covered with extraordinary prices. Every item—the quality of every article and the price of every article is based on our fixed determination to divide the pudding equally and fairly with each and every person with whom we do business.

OUR HALF of the Pudding represents our actual factory cost of material and labor plus one small profit based on the large volume of business we do selling direct from factory to user.

YOUR HALF of the pudding represents the fair share you are entitled to on every purchase you make. It represents the broker's, the jobber's, the salesman's, the dealer's profit, which all belong to you. It's your own money you are spending and if there's a chance for four profits, you and no one else ought to have them.

We formerly manufactured machinery and sold it by the old method through agents, jobbers, dealers, etc. A little more than three years ago we began to manufacture and sell directly to the consumer, and many things have been happening these last five years. Every succeeding year since we started this method we have seen our business show a great increase. Last year was one of the greatest years in our history and we want this occasion on the very front pages of this catalog to thank you for the magnificent trade you have given us. It is this kind of trade and confidence that strengthens us to do greater and better things. The farmers and the people in general in the United States and Canada have taken hold and have proven to us that our idea of selling from the factory to the consumer and selling nothing but strictly standard, high-class goods at the actual cost of labor and material and only very small profit added, is the right and logical way, and on account of this unbounded confidence you have shown in our way of doing business, we have determined to more and more strive to give you better goods and bigger values, and the very lowest possible prices, and all we ask you to do is to carefully go through every page of this catalog and compare our prices and the quality of our goods with those of any other catalog house, any dealer, store-keeper or merchant in any large city, and you will find that there are many dollars to be made in picking out whatever you need and sending your order to us.

As explained above, our motto is, "We divide the pudding with you." This is just to illustrate the part that comes to you if you deal with us.

These are facts. In fact, they are conditions that exist today, and it has been proven to us by the trade coming our way, and practically 80 per cent. of the customers, as far as we can figure out, who have bought once have come back and bought again.

Here's our policy:

Pick out anything you want from this catalog, no matter what it is, large or small, try it, test it, compare it with anything else in its class, and if for any reason or idea of yours the article does not suit you after you have received it, always remember that we will take it back, pay freight both ways, and give you back your money. You decide the question of whether the goods have the merit.

When we offer you anything in this catalog, we are conscious that we offer it to you in this way, consequently, it is up to us to see to it that whatever we ship out to you is right or we would be the losers, and foolish to even offer it, and we have enough experience with our consumer friends and customers to know that 99 per cent. of them are square.

We believe in them. We believe in the plan of first getting a customer and then holding him, and the only way to do it is to treat him square.

We will not knowingly allow any one of our customers to be dissatisfied. If we have a customer anywhere that is dissatisfied for any reason, it is because he has not told us the situation or given us a chance to make right anything that might not have been right.

Each and every article in this catalog is guaranteed and we have deposited a \$10,000.00 Bond with the Belleville National Bank of Belleville, Pa., as a guarantee to you that you can get your money back within thirty days, or even longer if you say so, that is, if the goods do not please you. This Guaranty-Bond, however, is not necessary as far as we are concerned, but we simply do and put up the Bond because we don't want even the most skeptical person to feel that they are taking any chances.

Now you know our policy of doing business. You know what we charge you for the goods—the actual cost of labor, the actual cost of material, and one very small profit based on a very large quantity.

What is there in this catalog that you need?

We know you need something.

Just try us out once.

Tell your neighbors this story, and, best of all, let us get acquainted, for we positively know that we can do you some good at this end of the line and we know you can do us some good at that end of the line.

May we not have the pleasure of hearing from you? If you lose this catalog, send for another.

Your friends for business at Belleville.

HERTZLER & ZOOK CO.

READ OUR LIBERAL SELLING PLANS, ETC.

Our plans are the most liberal that have ever been offered on a similar line of machinery. Read them carefully to avoid misunderstandings and delays.

We recommend the cash with order plan because it is the cheapest for you and we can handle the order with less delay, and then you have the protection of our \$10,000.00 Legal Guaranteed Bond.

ALWAYS ORDER BY CATALOG NUMBER AND NAME OF ARTICLE

CASH WITH ORDER 30 Days' Free Trial

On this plan, cash in the form of a bank draft, express money order, post-office money order, or check must accompany your order. We recommend it as the best and cheapest plan for anyone. The order will be handled without delay, and as we are put to no extra expense, you get the lowest rock bottom price on the article you order, and our guarantee of satisfaction is behind it. You have the privilege of trying it for 30 days. If at the end of that time you are not well pleased with it, and do not find it satisfactory in every way, we agree to take it back, refund your money, and pay all freight charges.

ALWAYS ORDER BY CATALOG NUMBER AND NAME OF ARTICLE.

BANK DEPOSIT
30 Days' Free Trial

On this plan you deposit the full amount of the order with your banker to be held by him during the 30 days' free trial period. Have your banker sign a certificate of deposit or a statement, showing the exact amount you have deposited and specifying that such amount is to be paid over to us 30 days after the arrival of the article, provided it is satisfactory to you. If at any time during the 30 days' trial the article does not come up to your expectations in every way, you can get your money back from your banker by delivering to him a bill of lading showing that the article has been properly crated, carefully packed and has been returned to us or wherever we may direct you. This banker's certificate or statement must be mailed to us with your order. On this plan we make an extra charge of \$3 to \$5, as we are compelled to go to additional expense. We would recommend that you save the difference and buy on the "Cash with order" plan, because you will get your money back if not perfectly satisfied. You can deal just as safely when you send us your money for anything you wish as when you deposit it in your own bank and you are fully protected by the \$10,000.00 Guaranteed Bond we have deposited in our bank.

GENERAL INFORMATION

Use our regular order blanks if you have them. Otherwise use any plain paper.

Always give the catalog number of each article and be sure to state the size you wish if the article is furnished in more than one size.

Enclose with your letter the necessary amount to cover the article ordered, according to the prices as set forth in our catalog.

Say how much money you enclose.

In case there is no railroad agent at your shipping point it will be necessary to prepay the freight and you should include in your remittance a sufficient amount to cover transportation charges. Be sure and send enough money for this purpose, so there will be no delay in handling the order. Any amount you send in excess of the actual freight charges will be returned to you.

Do not send currency in a letter unless it is registered. The best and safest way is to buy a P. O. money order, Express money order, or a Bank Draft or certified check, made payable to our order.

Always sign your name in full and see that it is written very plainly, so we cannot make a mistake and send the goods to the wrong party. Give your Post Office, County, State, and Rural Route, or street number. Also give your shipping point, if different from the Post Office.

If you wish to refer to any matter not concerning the order, please write it on a separate sheet of paper. Your orders will be handled in one department, and your inquiries or correspondence of any kind in another. We therefore ask that you observe this request, to avoid delay.

Before mailing your order, check it over carefully to see if you have conformed with the above requirements.

OUR GUARANTEE

WE GUARANTEE that each article listed in this catalog shall be exactly as represented, and that all shipments will be made with the distinct understanding and agreement that every purchaser has the privilege of returning any article which for any reason whatever is not satisfactory, provided we are notified as soon as the customer has had an opportunity to examine such article and give it a fair trial. We further guarantee that in any such case we will give the necessary shipping instructions for the return of the article; promptly refund the purchase price and pay freight both ways.

Our policy is to give every purchaser a "SQUARE DEAL," and as a guarantee that he will get it we have deposited a bond for \$10,000.00 with the Belleville National Bank, of Belleville, Pa.

We refer you to the Belleville National Bank, of Belleville, Pa., or any other Bank in Mifflin County, Pa. We also refer you to Dun's or Bradstreet's Commercial Agencies and to our numerous friends and customers throughout every State in the Union.

We own and operate our factories at Belleville, Pa., building and selling the well-known Hertzler & Zook line of Wood Saws, Porch Swings, the **HERTZLER & ZOOK** Grain Seed and Fertilizer Drills, Street Sprinkler, etc. In case you have never traded with us, talk with some of your neighbors who have done so, and see how well satisfied they are with the way we serve our customers and the kind of goods we ship to them. For the protection of every customer who wishes it, we have executed a legal bond for the sum of \$10,000.00, and it is now on deposit with the Belleville National Bank of Belleville, Pa. This bond is put up as a guarantee that we will fulfil our warranty and give to every purchaser a "SQUARE DEAL" from start to finish.

OUR PRICES In buying from us you get **PRICES** which we claim are lower than it will be possible for you to obtain elsewhere on goods of equal quality. We buy for cash and sell for cash, no traveler's salary or expense, and ask but a very small profit.

We are manufacturers ourselves and on such goods as we make, sell them to you at actual manufacturer's cost, plus one small profit.

We are so situated that our operating expense is very low. In fact, much lower than any other house we know of. We own our buildings; are well organized; the business is conducted under our own personal control and supervision. We are well satisfied with a small profit and are thereby able to operate at a very low expense.

C. O. D. SHIPMENTS In order to avoid inconvenience and unnecessary delay, we would strongly urge that you send in the full amount of cash with your order. That will enable us to ship the goods direct to you under our liberal guarantee, which gives you the privilege of returning anything not satisfactory in every way, in which case we agree not only to refund the purchase price, but also to pay transportation charges both ways.

Where goods are shipped C. O. D. by express, it is necessary for you to make settlement with the express agent and pay the charges for having the money returned to us.

C. O. D. Shipments cannot be made by freight, but we can ship the goods to ourselves, and make draft on you through the bank with bill of lading attached. That plan often necessitates extra expense and inconvenience, as you must take up the draft at the bank and obtain the bill of lading so you can get the goods from the railroad company. In some instances the goods will be at one point and the draft at another, which will cause you to make two trips.

There is nothing to be gained by C. O. D. shipments and we would much prefer not to make them. If you send the full amount of cash to us with order, you run absolutely no risk, you will get the goods quicker and with less expense and trouble. You have the privilege of returning them under our guarantee, and your money will be promptly refunded on anything which fails to please you in every way.

While we do not like C. O. D. shipments, at the same time we are willing to make them, provided one-fifth the value of the goods is remitted with the order. This small cash deposit is required as an evidence of good faith. In the event the item is so small that one-fifth its value will not cover transportation charges, then the amount of cash which accompanies the order must be sufficient to pay such charges.

Where goods are shipped C. O. D. and are never accepted at destination, the amount paid will be applied against transportation charges and if any remains it will be refunded. Understand, however, if the goods are accepted, and fail to please you in any way, we pay the full amount of charges both ways and also refund the full amount of the purchase price.

SAFE DELIVERY GUARANTEED All goods are carefully crated by men who thoroughly understand their work, and there is little danger of breakage or damage while in transit.

However, we guarantee safe delivery of any article we ship, and assume all responsibility for damage that may occur to the goods before they are delivered to you. If any article reaches you in a damaged condition, please see that it is examined in the presence of the freight or express agent; receive the goods and pay the transportation charges, but be sure and have agent make notation on your expense bill, setting forth the nature and extent of the damage or shortage. Do not accept the shipment unless the agent writes a clear notation of this damage or shortage on the freight bill. After the notation, as above, has been made, send the bill to us and write us just what you think should be done to repair the damage. We will immediately take such steps as are necessary to make the matter entirely satisfactory to you.

WE ALWAYS CRATE AND SHIP EVERY ARTICLE SO AS TO SECURE THE LOWEST FREIGHT CHARGES FOR OUR CUSTOMERS

If you believe you are being overcharged on the freight, and cannot make a satisfactory adjustment with the agent at the time, accept the shipment, and pay the charges, then send us the freight bill and we will investigate the matter for you. In case there has actually been an overcharge, we will see that the proper amount is refunded to you.

Remember we can do nothing, either in case of damage or overcharge, unless you send the railroad freight bill to us.

ILLUSTRATIONS AND DESCRIPTIONS

We have tried to illustrate and describe every article so fully and so clearly that you can order intelligently. We advise you to read the descriptions carefully, as they cover the details accurately. The illustrations can be relied upon to show the style and general appearance of the article, but you must refer to the descriptions to get detailed information. We always ship goods of the latest design, and for that reason, the article may differ slightly from the one shown in our catalog, but, by giving you the latest and newest, we feel that you will be satisfied and will appreciate our effort to give you nothing but the best. You can rest assured we will **MAKE NO SUBSTITUTION**, unless by so doing we give you a better value.

SHIPMENTS FROM FACTORIES

By shipping goods direct from factory, either our own or those of other manufacturers, we are able to make better prices to you because we can sell you the goods at the actual cost to manufacture, cost of materials and labor, and with only a small percentage of profit added. There is a saving of all expenses such as freight, storage, handling, carting, etc. By shipping direct from factories we are always able to give you absolutely, new goods; goods which are fresh from the finishing rooms, which possess the latest improvements, and which are in the best condition possible.

RETURNED GOODS

Before returning any goods we would ask that you take the matter up with us, in order that we may send you the necessary shipping tags, shipping instructions, etc. Do not **IN ANY CASE** ship goods to us until after you have received instructions from us to do so. Some of our articles are shipped from other factories, and we do not want them returned to Belleville. We will give full instructions for returning any article which fails to please you. Our only reason for asking you to write is that we may give you such shipping instructions as are necessary to avoid delay and save useless expense.

PROMPT SERVICE AND QUICK SHIPMENTS

While we handle a very large volume of business we are so organized that we take care of it without delay. Every branch of the work is under the personal control and supervision of one of the officers of our company and we guarantee that any inquiry communication of any kind will get immediate attention, and that your orders will be filled promptly and accurately. We appreciate the fact that it means great inconvenience and in many cases an actual loss to you if your order is held up; if the wrong goods are shipped to the wrong point, or if mistakes of any kind are made, and for that reason, each inquiry and order receives the most careful attention. We **KNOW** that you will get prompt attention and quick shipments. We **KNOW** that we will send goods which are right; goods having the best and latest improvements; goods which are **TIME SAVERS**; because they are not the kind you will have to return, but the kind you will want to keep; the kind that will please you and **SAVE YOU TIME AND MONEY**.

REASON IT OUT YOURSELF

Don't let anyone tell you that retail dealers can give you the same goods for the same or less money than we can.

Reason it yourself. We manufacture and sell direct, in a few instances we ship you goods direct from another manufacturer, to you. The dealer buys from the jobber and the jobber from the manufacturer, so in nearly every case we can save you two profits.

Don't let the freight argument confuse you. The retailer dealer pays the freight on the goods when he buys from the jobber and when you pay the dealer, you are paying him the freight also. Reason it out for yourself.

The Old Way



The New Way

EXPRESSIONS MADE BY HARDWARE DEALERS OVER THE COUNTRY

"Yes, farmers are just beginning to get rid of the cross-cut saws and adopt more modern ways; this is where the circular saw comes in."

"I don't know why people have the impression that farmers don't buy good tools. It is a great deal cheaper to buy a first-class tool that will run true, than a cheap one that can not be depended upon. I think that the circular saw that is put before the public with a reliable guarantee is the saw that will get the trade."

"Regarding circular saws in place of the old cross-cut, will say now for the last three years there is not a farmer in this locality that has sawed up their winter wood by hand, but with a gasoline engine and circular saw. We have five or more such rigs in this neighborhood which do nothing else from December until March and charging 60 to 75 cents per hour and \$2.00 to \$3.00 for set job."

"As the farmers become more progressive they are going to use more tools and with the gasoline engine on nearly every farm they are going to have a circular wood saw to attach to work up the wood which they are now raising on their own farms and the refuse."

"I notice farmers about here are using the portable circular saws more and more each winter to saw up their wood. Usually a farmer or some one else who has a circular saw, saws for several farmers. The old cross-cut isn't very much around here."

"Time is short for everything now and there will be more circular saws in a few years than there is now, because you can't get a man who wants to saw with a buck saw and the farmer has so much other work to attend to he hasn't the time."

The above clippings are real expressions made by the different Hardware Dealers over the country. Which is ample proof that the Hertzler & Zook line of Wood Saws leads the markets today. The above illustration shows the Old and the New Way of sawing wood; the new way is very general in many parts of the country.

Our line of Wood Saws this year is greater than ever before. Let us send you one to try out? Order it now.

THE NUMBER ONE WOOD SAW



This saw sells at a very low price. Makes the burden of wood sawing an amusement; keeps the boy on the farm. Is built for light power. One horse power and upwards will carry blades up to and including 22" and will cut a stick of round wood 8" to 10" thick, capacity 1 to 1½ cords per hour.

This is one of our standard machines, and is built in such a manner as to permit putting on our ripping attachment, which is one of the greatest features of the machine, and is fully explained on page 20.

Mandrel—The mandrel is one and five-sixteenths inches in diameter and forty-one inches long, fitted for saw with one and one-fourth inch hole.

Boxes—The Boxes are of ample size and lined with a high grade of bearing metal.

Pulley—It has a five by five inch Pulley. Shipping weight, 100 lbs.

	Bank Deposit	Cash With Order
Price for frame without blade; otherwise as shown above	\$9.90	\$7.90
Price as shown above with:		
18" Cordwood Blade	\$12.00	\$10.00
20" " "	12.70	10.70
22" " "	13.30	11.30

SAME AS ABOVE WITH FLY WHEEL

Price of No. 1 frame with 35 lb. fly wheel,

	Bank Deposit	Cash With Order
	\$11.15	\$9.15
Price as shown,		
With 18" Cordwood Blade.....	\$13.25	\$11.25
" 20" " "	13.95	11.95
" 22" " "	14.55	12.55
*\$1 extra left handed.		



Four special castings are shipped with all No. 1 and No. 2 machines to fasten same to floor or ground. Shipping weight, 145 lbs.

THIS CUT SHOWS OUR NO. 1 SAW FRAME AS IT APPEARS WITH RIPPING TABLE AND RIP SAW ATTACHED



For full particulars of this attachment, see page 18.

Price for ripping table only for No.

1 frame as shown \$2.00

When ripping tables are used it requires a saw blade for ripping. No one should attempt to do ripping with a cordwood saw blade, or saw cordwood with a rip saw. You can only use saw blades up to and including 20" on this frame for ripping.

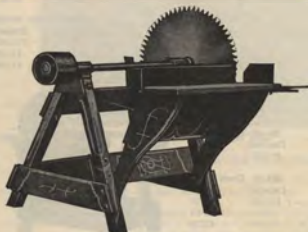
To get the price of above machines with all attachments, add the price of the ripping table and the price of any size ripping saw you wish (20" or smaller) to the machine you want.

All blades filed and set ready for work.

This cut shows our saw frames knocked down as they appear when shipping west of the Mississippi River and south of Tennessee, also for exporting. This is done to secure the lowest possible freight rate for our customers at a distance, free of charge. An extra charge of \$1.50 for the No. 1 frames and \$2.00 for the No. 2 and larger will be made when crated other than that shown in this cut.



THE NUMBER TWO WOOD SAW



This wood saw is designed similar to No. 1 with the exception that it is heavier, has a steel extension table and built for heavier service, and requires two H. P. and upward to run it, and carries saws ranging in size from 24 inches to 26 inches inclusive. Will cut round wood nine to eleven inches thick.

This is one of our standard machines, and is built in such a manner as to permit putting on our ripping attachment which is one of the greatest features of the machines and is fully explained on page 18.

Mandrel—The Mandrel is one and seven-sixteenths inches in diameter and forty-nine inches long, fitted for a saw having a one and three-eighths inch arbor hole.

Boxes—The Boxes are of ample size and provided with a large oil cup lined with a high grade of bearing metal.

Pulley—It has a six by six Pulley. Shipping weight, 190 lbs.

	Cash With
	Order
Price of frame without blade; otherwise as shown above	\$9.20

Price as shown above with:		Cash With
		Order
24" Cordwood Blade		\$13.00
26" " "		\$13.65

In making up your order for shafting, boxes, hangers, belting, pulleys, clutches, etc., don't fail to carefully check out prices on pages 23 to 28 of this catalog, as they are strictly factory prices.

SAME AS ABOVE WITH FLY WHEEL

Price of No. 2 wood saw
with 55-lb. fly wheel:

Cash With
Order
\$10.20

Cash With
Order

Price as shown
with:

24" Cordwood

Blade\$14.00

26" Cordwood

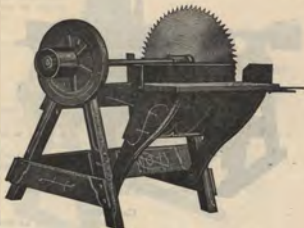
Blade\$14.65

*\$1.50 extra left handed.

Shipping weight, 240 lbs.

Four special castings are shipped with all No. 1 and No. 2 frames to fasten same to floor or ground.

THIS CUT SHOWS OUR NO. 2 SAW FRAME AS IT APPEARS WITH RIPPING TABLE AND RIP SAW ATTACHED



For full particulars of
this attachment see page 18.

Price for ripping table
only for No. 2 frame

as shown \$3.00

When ripping tables are
used it requires a saw blade
for ripping. No one should
ever attempt to do ripping
with a cordwood saw blade,
or saw cordwood with a rip
saw.

To get the price of above
machine with all attachments
add the price of the ripping
table and the price of any
size ripping saw you wish
(26" or smaller) to the ma-
chine you want.

All blades filed and set ready for work.

We further wish to impress on the minds of our farmer friends the fact that the ripping table attachment is the greatest feature of the wood sawing machines, as most of our farmers having gasoline engines first do their cordwood sawing, then they remove the cordwood blade, attach the ripping table which enables them to do all kinds of ripping of lumber such as making roofing lath, palings, pickets, crate lumber out of refuse that would otherwise be wasted and lost. Again, for hewing or pointing posts it has no equal and can be used in this way, twelve months in the year. **WHY NOT** order one right now to try out, and if it don't please you, return it at our expense.

Remember we make the **BEST** and Largest assortment of Wood Sawing Machinery in the world. Sold direct to the user.

No. 4 Wood Saw



This wood saw is built expressly for doing custom or contract work and for sawing pole and cordwood where large quantities of wood are to be handled; the capacity of the machine is very great; the power required is five H. P. and upward; carries cordwood saws up to and including 32"; rip saws up to and including 26". Is one of our standard machines.

Mandrel—The Mandrel is one and seven-sixteenths inches in diameter and forty-nine inches long, fitted for a saw having a one and three-eighths inch arbor hole.

Boxes—The Boxes are of ample size and provided with a large oil cup, lined with a high grade of bearing metal.

Pulley—It has a six by six pulley. Shipping Weight, 200 lbs.

Price of frame without blade; otherwise as shown above

Cash With Order

\$9.70

Price as shown above with

	Cash With Order
24" Blade	\$13.00
26" Blade	13.65
28" Blade	14.30
30" Blade	14.90
32" Blade	15.60

No. 4. Wood Saw with Fly Wheel

Price of No. 4 wood saw with 56-lb. fly wheel:

Cash With Order
\$10.20

Price as shown with:

24" Cordwood Blade	14.00
26" Cordwood Blade	14.65
28" Cordwood Blade	15.30
30" Cordwood Blade	15.90
32" Cordwood Blade	16.60
Shipping weight, 256 lbs.	
Above frames made left-handed,	\$1.50 extra.



No. 4 with Pole Attachment



This shows an attachment which can be used on our No. 4 frame for sawing pole wood when the pole is brought in on the saw side of frame.

In all other instances we recommend that the pole or wood of any kind be brought in on the pulley side. Price, when shipped with frame \$1.50 in addition to above prices.

In case where you already have our No. 4 and want to use this attachment, you can do so, but some alterations must be made on your swing table and extension before the attachment is complete.

THIS CUT SHOWS OUR NO. 4 SAW FRAME AS IT APPEARS WITH RIPPING TABLE AND RIP SAW ATTACHED

For full particulars of its attachments, see page 18.

Price for ripping table only for No. 4 frame.... \$2.00

When ripping tables are used it requires a saw blade for ripping. No one should ever attempt to do ripping with a cordwood saw blade, or saw cordwood with a rip saw.

To get the price of above machines with all attachments, add the price of ripping tables and the price of any size ripping saw you wish (24" or smaller) to the machine you want. All blades filed and set ready for work.



THE NUMBER FIVE WOOD SAW



This saw is the strongest, best constructed and most popular saw frame in the country, suitable for sawing cordwood and long poles of every description.

The mandrel is $1\frac{1}{2}$ " in diameter x 49" long, with $1\frac{1}{2}$ " arbor and 6 x 6 pulley. Boxes are of ample size and lined with a high grade of babitt metal. The center pulley is hung on a heavy bracket with a steel pin and is made so that it will not get out of alignment. The fly wheel weighs 95 lbs. and is perfectly balanced to insure smooth running. The cast iron guard is made adjustable to fit any size saw blade from 24" to 30" inclusive. Machines are all made

right handed unless otherwise ordered, when an additional charge of \$1.50 will be made.

	Cash With
	Order
Price of frame without blade; otherwise as shown above	\$13.50
Shipping weight, 320 lbs.	
Price as shown above with:	Cash With
	Order
24" Cordwood Blade	\$17.50
26" " "	18.00
28" " "	18.65
30" " "	19.25
32" " "	19.95

Our standard or shingles ripping table attachment can be attached to the above No. 5 machine.

Price for ripping table only for No. 5 frame..... \$3.00

When ripping tables are used, it requires a saw blade for ripping. No one should ever attempt to do ripping with a cordwood saw blade, or saw cordwood with a rip saw.

To get the price of above machine with all attachments, add the price of the ripping table and the price of any size ripping saw you wish (26" or smaller) to the price of the machine you want.

NO. 10 ROLLING TABLE SAW FRAME



This cut shows our No. 10 roller table saw frame which is made of selected lumber, is well built and has a cold rolled steel mandrel and the boxes are lined with a good grade of bearing metal.

This machine has the many good features of the Hertzler & Zook Line of saws. Namely: the table is low, thus having the saw blade help pull the wood in, making it one of the best and easiest machines to operate on the market.

This machine is built in two styles and will carry saw blades up to and including 30". Rip-
ping device can also be attached.

The mandrel is 49" long, 1 1/8" in diam. with 1 1/2" arbor and 6 x 6 Pulley.

	Cash With Order
Price of above machine less saw blade.....	\$10.80
Price of machine with:	
20" Cordwood Blade.....	\$13.70
22" " ".....	14.25
24" " ".....	14.60
26" " ".....	15.25
28" " ".....	16.00
30" " ".....	16.50

Extra for making left handed \$1.50.

Weight of above machine 187 lbs.

NO. 11 ROLLING TABLE SAW FRAME



This cut shows our No. 11 rolling table saw frame and is the same as our No. 10 with the exception that it has a 56 lb. fly wheel. Tl's machine is a favorite where a

rolling table is preferred, as the fly wheel will keep the momentum of the saw up much better when it strikes the wood. This machine will swing saws up to and including 20" Diam. Our ripping device can also be attached.

Cash With Order	
Price of above machine without saw blade	\$12.30
Price of machine with:	
20" Cordwood Blade.....	15.20
22" " "	15.75

Cash With Order	
24" Cordwood Blade.....	\$16.35
26" " "	16.95
28" " "	17.55
30" " "	18.15



No. 12 ROLLING TABLE SAW FRAME

The opposite cut shows our No. 12 rolling table saw frame with a 90 lb. fly wheel mounted underneath the table, and is entirely out of the way for sawing long poles or slab wood. Our ripping device can also be attached to this machine and will swing saws up to and including 26".

Extra for making left handed, \$1.50. Weight of above machine, 243 lbs.

Cash With Order	
Price of the above machine less saw blade	\$16.50
Price as shown above with:	
20" Cordwood Blade.....	19.40
22" " "	19.95

Cash With Order	
24" Cordwood Blade.....	\$20.30
26" " "	20.95
28" " "	21.60
30" " "	22.20

Extra for making left handed, \$1.50. Weight of above machine, 350 lbs.

STEEL FRAME WOOD SAWS

In order to give our customers what they want we are placing this steel frame on the market. We feel it our privilege to give our friends everything they ask for in the wood saw line.

This frame is similar to our No. 4 and No. 5 frames, with the exception it is all built of iron and steel with the exception of 5 pieces of hard wood $1\frac{1}{4} \times 5$ and 6" wide, making it more durable than all steel or all wood.

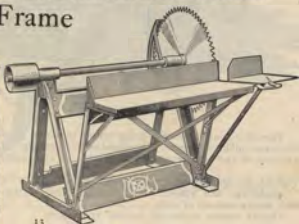
No. 13 Steel Frame

Shipping Weight, 170 Lbs.

Price of frame without blade, otherwise as shown above,
\$12.00

Price as shown above, with—	
24" Cordwood blade..	\$15.80
26" Cordwood blade..	\$16.45
28" Cordwood blade..	\$17.10
30" Cordwood blade..	\$17.70
32" Cordwood blade..	\$18.40

The shingle and ripping table may be attached to this frame.



No. 14 Steel Frame

With 56 lb. fly wheel attached as shown, without saw blade. Price. \$13.00

Price as shown above, with—

24" Cordwood blade..\$16.80

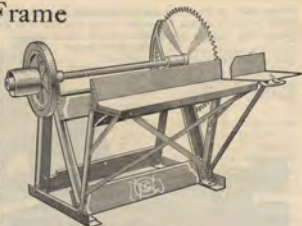
26" Cordwood blade..\$17.45

28" Cordwood blade..\$18.10

30" Cordwood blade..\$18.70

32" Cordwood blade..\$19.40

The shingle and ripping attachment may be attached to this frame.



No. 15 Steel Frame

With 95 lb. fly wheel mounted underneath as shown. Price of frame, without blade \$17.00

Price as shown above, with—

24" Cordwood blade \$20.80

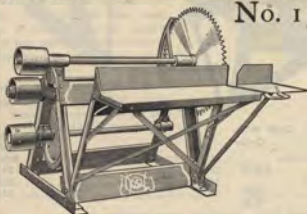
26" Cordwood blade \$21.45

28" Cordwood blade \$22.10

30" Cordwood blade \$22.70

32" Cordwood blade \$23.40

The shingle and ripping attachment may be attached to this frame.



THE NUMBER SIX SAW FRAME
MOUNTED ON WAGON



The above cut shows No. 6 saw frame mounted on our light engine truck and on which any make of engine not weighing over 300 lbs. can be mounted and then you will have one of the best wood sawing outfits on the market. Shipping weight 300 lbs.

Price of the above outfit with brake, pole,
doubletree and yoke.....

With shafts instead of pole.....

*Above outfits made left handed \$1.50 extra.

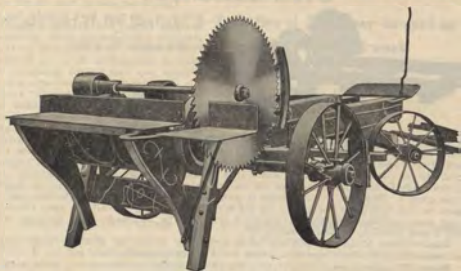
Cash With

Order

\$45.00

42.00

OUR HEAVY ENGINE TRUCK WITH NUMBER SEVEN SAW FRAME

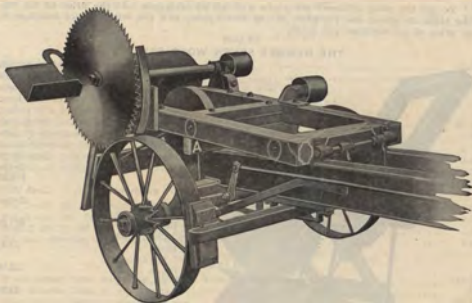


The above cut shows our heavy engine truck with No. 7 saw frame mounted and on which any make of engine not weighing over 1200 lbs. can be mounted. This is an outfit made for hard usage and will give good service. Shipping weight, 1000 lbs.

Cash With
Order

Price of above without saw blade..... \$55.00

The above outfit made left-handed, \$1.10 extra.



The above cut shows the position of Nos. 6 and 7 Saw Frames when moving and which is a very simple device; all you do is simply raise the frame and insert a block at A.

THE NUMBER SIX WOOD SAW



This wood saw is built to fill the wants of the man that already has a gasoline engine and wishes to make a complete wood-sawing outfit, or something similar to ours shown on another page of this catalog. This can be done without any experienced mechanic, or any ordinary mechanic can attach this to his engine where he has 30" available on the truck. Or at times by bolting on at each side of the truck beam, a timber or an I beam or channel,

or anything that he can get 30" of space. By referring to our complete wood-sawing outfit, you will clearly see just what this is for. It can be removed from the truck after properly put on in only a few moments' time, and only requires the loosening of one set collar to pull out the shaft, then throw up the frame of the machine and you are ready to go; while otherwise, on the ordinary machines it is necessary to fasten to the ground. However, if a fly wheel is wanted on the mandrel, it can be had and is placed on the outside of the pulley on the mandrel shaft. It has all the good features of our other machines and the tipping table can also be attached. This machine will carry a saw blade up to and including 32".

Mandrel—The Mandrel is one and seven-sixteenths inches in diameter and forty-nine inches long, fitted for a saw having a one and three-eighths inch hole.

Boxes—The boxes are of ample size and provided with a large oil cup, lined with a high grade of bearing metal. Shipping weight, 215 lbs.

Cash With

Order

\$13.00

Cash With

Order

\$16.80

Price as shown above with:

24" Cordwood Blade	\$16.80
26" " "	17.45
28" " "	18.10
30" " "	18.70
32" " "	19.40

To get the price of above machines with all attachments, add the price of the ripping table, fly wheel and the price of any size ripping saw you wish (26" or smaller), to the price of the machine you want.

THE NUMBER SEVEN WOOD SAW



This machine is similar to our No. 6 with the exception it has the fly wheel underneath same as our No. 5. The mandrel is 47" long, 1 1/8" in diameter with 6 x 6 pulley, 1 3/4" arbor. Boxes are of ample size and lined with a high grade of babbit metal. Price of frame without blade:

Cash With

Order

\$18.00

Price as shown with:

Cash With

Order

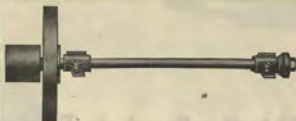
24" Cordwood Blade	\$21.80
26" Cordwood Blade	22.45
28" Cordwood Blade	23.10
30" Cordwood Blade	23.70
32" Cordwood Blade	24.40

All blades filed and set ready for work. Shipping weight, 410 lbs.

*Above frames made left handed, \$1.50 extra.

MANDREL SETS

or any part of the Hertzler & Zook line of Saws may be used as repairs or when you wish to make your own frames.



These sets are ready to ship and we can furnish either plain, flat-bottom boxes or our regular pattern, as used on our Nos. 1 to 7 frames.

Price of the No. 1 with 35-lb. fly wheel, 5 x 5 pulley, 1 1/4" arbor and plain, flat boxes	\$5.66
Price of No. 1 with 35-lb. fly wheel, 5 x 5 pulley, 1 1/4" arbor with our own style of boxes, as used on our machines.....	4.06
Price of the No. 2 with 56-lb. fly wheel, 6 x 6 pulley, 1 1/2" arbor with plain, flat boxes	6.75
Price of the No. 2 with 56-lb. fly wheel, 6 x 6 pulley, 1 1/2" arbor with our own style of boxes, as used on our machines.....	7.95
Left-handed thread	\$1.00 extra.

PRICE-LIST ON PARTS OF OUR WOOD SAW MANDRELS

No. 1, 41" long, 1 1/8" diameter, 1 1/4" arbor.....	\$2.25
Nos. 2 and 5, 49" long, 1 1/8" diam., 1 1/2" arbor.....	3.25
For fly wheel for Nos. 5 and 7, 1 1/2" diameter.....	2.00
Nos. 6 and 7 key seated, 47" long, 1 1/8" diameter, 1 1/2" arbor.....	3.00

BOXES

Flat boxes for all frames, per pair.....	\$1.60
Our regular boxes for No. 1 frame, per pair.....	2.00
Our regular boxes for Nos. 2, 4, 5, 6 and 7, per pair.....	2.50

PULLEYS

No. 1, 5" x 5" x 1 1/8".....	\$.75
Nos. 2-4-5-6-7, 6" x 6" x 1 1/8".....	1.00
Idler for No. 5, 6" x 6" Special.....	1.15
Tightener Pulley for Nos. 6 and 7, 6" x 6" Special.....	1.15
Tightener Pulley for Nos. 6 and 7, with pulley.....	2.25

FLY WHEELS

No. 1-35 lbs., 1 1/8" bore, 13" diameter.....	\$1.31
No. 2-56 lbs., 1 1/8" bore, 17" diameter.....	2.15
Nos. 5 and 7-90 lbs., 1 1/8" bore, 17" diameter.....	2.50
125 lbs.—Special, 1 1/8" bore, 17" diameter.....	3.25

TABLES, ETC.

Steel swing table complete for Nos. 4-5-6 and 7 frames.....	\$5.00
Saw guards, Nos. 4-5-6 and 7.....	1.50
Idler Pulley castings for No. 5.....	.50
Tightening pulley casting for Nos. 6 and 7.....	1.50
Gauge for No. 1 Ripping Table.....	.30
Gauge for No. 2 Ripping Table and larger.....	.75

Ripping Tables or Attachments

All our circular saw frames except No. 3 are designed in such a manner so as to attach a ripping table at a very small additional cost, enabling our customers to derive the same benefits that would otherwise cost



from \$12.00 to \$30.00 at least. By using this attachment you have the benefit of two machines at practically the cost of one. The cut opposite shows the table, which only requires a few moments and three bolts to attach, making your wood saw an indispensable

outfit for sawing crate lumber, pickets, hewing wire fence posts, plaster and roofing laths, etc.

The No. 1 table will fit No. 11 frame only and will swing any size rip saw up to and including 20" with a 1 1/4" hole. Price..... **\$2.00**

The No. 2 will fit all circular saw frames except Nos. 1 and 33 and will swing saws up to and including 26" with 1 1/4" holes. Price..... **\$3.00**

Shingle Sawing Tables

TABLE FOR SAWING SHINGLES—

When this attachment is used on the Hertzler & Zook Wood Saws from five to ten thousand shingles can be sawed per day. The timber is first cut to length of shingle, then the table is attached, the blocks squared on three sides, then by the use of block holder the shingles are sawed.



Owing to the continual growing demand of the shingle tables, we will endeavor to give a few brief sketches to show how you can convert the trees you would otherwise realize only firewood prices for into a first class shingle, which is at all times ready money.

Figure (A) is squaring the blocks on three sides after it is cut in shingle length, using the ripping saw blade. Fig. (B)



Fig A

shows the use of the block holders while sawing shingles. To properly locate the steel gauge, you place the block holder in position, (before starting the saw), measuring the distance of the thickness of the shingle from the saw, then fasten steel gauge with screws. After gauge and block holders are adjusted, the minor adjustments can be made by adjusting pins.

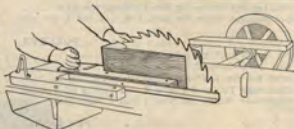


Fig B

Fig. (C) shows how any shingles may be edged off square. This makes a practical attachment. In case you wish to make box boards instead of shingles, it may be done by the adjustment pins, and the use of only one block holder.

Our ripping table for sawing shingles is made something similar to our No. 2 ripping table, only it is longer and larger. This table is adapted to do general ripping, as it can be used just as

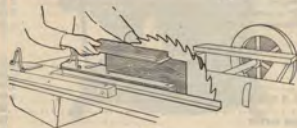


Fig C

well for ripping as sawing shingles. Where our other table is only suitable for ripping lumber, as it is not long enough to saw shingles. It requires two block-holders to make a complete machine.

Price of shingle ripping table for any of our circular saw frames except No. 2, is as follows: Table complete, with two block holders ready for attaching.....\$5.00

CIRCULAR RIP SAWS

High speed extra quality saws for use in factories, mills and woodworking plants generally. Circular Rip saws are made of best steel, properly tempered. Saws, 10 to 36 inches in diameter, of the specifications listed below have proven to be best for general use. Saws as listed below carried in stock. Filed and set ready for work.



Rip Saw Blade

Diam. Inches	Gauge	Arbor Hole In.	Shipping Wt. about	Price Each
10	16	1 1/4	2 1/4 lbs.	\$1.20
12	15	1 1/4 and 1 1/2	4 lbs.	1.50
14	14	1 1/4 and 1 1/2	6 lbs.	1.80
16	14	1 1/4 and 1 1/2	8 lbs.	2.30
18	13	1 1/4 and 1 1/2	10 lbs.	2.70
20	13	1 1/4 and 1 1/2	12 lbs.	3.20
22	12	1 1/2	15 lbs.	3.70
24	11	1 1/2	20 lbs.	4.20
26	11	1 1/2	24 lbs.	4.70
28	10	1 1/2	28 lbs.	5.50
30	10	1 1/2	33 lbs.	6.25
32	10	1 1/2	38 lbs.	7.50
34	9	1 1/2	45 lbs.	8.75
36	9	1 1/2	50 lbs.	10.00

NOTICE.—If saws are wanted in any way different from the above, they must be made special to order and cannot be furnished at stock prices as given, on account of cost in making one at a time. If you must have a special saw, tell us what you want and we will quote you best possible price if we can furnish the saw desired. We will not make to order saws that are unreasonably light gauge or with dangerously small mandrel holes.

NOTE.—Always give size of arbor hole.

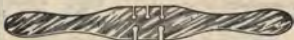
CORD WOOD SAW BLADES

These blades are made from the best material and workmanship for the purpose intended and are guaranteed to be satisfactory.

The following blades are filed and set ready for use.

	16	18	20	22	24	26	28	30	32	34	36
1 1/4" hole ..	\$1.95	2.10	2.90	3.45	3.80	4.45	5.10	5.70	6.40	7.20	8.00
1 1/2" hole ..	\$1.95	2.10	2.90	3.45							

Caution.—In filing or gumming a cordwood or rip saw blade great care should be taken that no sharp corners are filed or gummed in. If this is done it will cause any make of blade to crack, and by doing so cancels our guaranty.



Saw sets like the above, Price each \$1.50



With friction feed. Positive and effective, yet very simple; will not stick or get out of order, the operator having full control of the machine. It is well balanced and runs very nicely and steadily, has three different strokes, unless otherwise ordered. Each machine is furnished complete with a drive pulley 24 x 6 inches, log truck, power rolls, tumbling rod with two universal couplings, 16 foot track and one saw 5 feet 6 inches.

Speed recommended, 125 to 175 strokes per minute. Weight, 1200 lbs.

Capacity, from 30 to 40 cords per day, depending on material, power and speed.

	Bank Deposit	Cash With Order
Price complete with 5' 6" saw and tight pulley	\$62.00	\$60.00
Same as above described, with tight and loose pulley	67.00	65.00
Same as above, with one saw and pulley, less power feed,	57.00	55.00

THE NUMBER THREE WOOD SAW



This saw is built for lumber, shingle and stave manufacturers. Built for heavy work such as cutting off billets, shingle blocks, etc.

Mandrel—The Mandrel is 21 inches long, fitted for 1½ inch saw arbor, will carry saw up to 36 inches in diameter.

Boxes—The Boxes are adjustable, of ample size and lined with a high grade of tearing metal.

Pulley—Mandrel Pulley is cast to the mandrel, making it all one piece and of great tensile strength. It is 7½ by 7 inch face, turned and balanced.

This Wood Saw is inter-changeable and can be made to cut toward the belt or away from the belt by reversing the saw and lever and moving the stationary shaft at the slot holes so as to cause the belt to be tight while making the cut and loose when not in use, as it is when it cuts toward the belt.

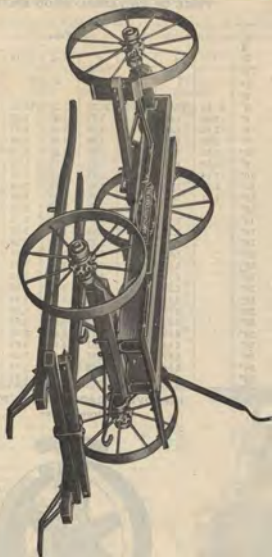
The swinging frame ranges in length from 24 to 48 inches, to suit the requirements of the work.

	Bank Deposit	Cash With Order
Price as shown above without blade,	\$27.00	\$25.00

Price as shown above with:		
28" Cordwood Blade	\$32.10	\$30.10
30" " "	32.70	30.70
32" " "	33.40	31.40
34" " "	34.20	32.20

All blades filed and set.

ENGINE AND SAW TRUCKS



Capacity	1300 lbs.
Front wheels	24" x 3"
Rear wheels	30" x 3"
With brake and shafts, as shown above.....	\$25.00
With brake pole, double tree and yoke.....	\$25.00

HEAVY ENGINE TRUCK

Capacity	1800 lbs.
Front wheels	24" x 4"
Rear wheels	30" x 4"
With brake pole, double tree and yoke.....	\$38.00
If brake is not wanted, deduct.....	\$3.00

UNIVERSAL WOOD SPLIT PULLEY With Interchangeable Bushing



Furnished complete with bushings and guaranteed to run perfectly true on the shaft.

Wood split pulleys do not require either key seat or set screws. They fit to the shaft by compression and will pull equally as heavy a load as an iron or any other kind of a pulley without slipping.

We recommend the use of Wood Split Pulleys in all dry places.

PRICE OF UNIVERSAL WOOD SPLIT PULLEYS

Diam.	Face									
	3	4	5	6	7-8	9-10	11-12	13-14	15-16	
1"										
2"										
3"										
4"	\$.98	\$1.02	\$1.09	\$1.16	\$1.29	\$1.44	\$1.58			
5"	1.00	1.03	1.12	1.19	1.35	1.51	1.66			
6"	1.02	1.05	1.14	1.23	1.40	1.57	1.75			
7"	1.03	1.07	1.17	1.26	1.45	1.64	1.84	\$2.03		
8"	1.05	1.09	1.19	1.30	1.50	1.71	1.92	2.14		
9"	1.09	1.15	1.26	1.37	1.59	1.82	2.05	2.28		
10"	1.14	1.19	1.30	1.44	1.68	1.93	2.17	2.41	\$2.66	
11"	1.22	1.29	1.44	1.58	1.86	2.14	2.42	2.69	2.98	
12"	1.31	1.40	1.58	1.72	2.03	2.35	2.66	2.97	3.29	
13"		1.51	1.68	1.85	2.20	2.56	2.91	3.26	3.61	
14"		1.61	1.80	2.00	2.38	2.75	3.15	3.54	3.92	
15"		1.72	1.92	2.14	2.56	2.98	3.39	3.82	4.24	
16"		1.82	2.05	2.27	2.73	3.19	3.64	4.10	4.55	
17"		1.93	2.17	2.42	2.91	3.39	3.88	4.38	4.86	
18"		2.03	2.29	2.56	3.08	3.61	4.13	4.66	5.18	
19"		2.14	2.42	2.70	3.26	3.82	4.38	4.94	5.50	
20"		2.24	2.54	2.84	3.42	4.03	4.62	5.21	5.81	
22"		2.45	2.78	3.12	3.78	4.46	5.11	5.78	6.44	
24"		2.70	3.08	3.47	4.24	5.00	5.77	6.54	7.32	
26"		2.94	3.38	3.82	4.69	5.57	6.44	7.32	8.19	
28"		3.19	3.68	4.17	5.15	6.13	7.10	8.09	9.06	
30"		3.43	3.97	4.51	5.60	6.69	7.77	8.86	9.94	
32"		3.67	4.27	4.87	6.16	7.25	8.44	9.63	10.82	
34"		3.96	4.60	5.25	6.54	7.84	9.14	10.43	11.72	
36"		4.25	4.94	5.64	7.04	8.44	9.84	11.24	12.63	

IMPROVED READING WOOD PULLEY

Iron Center



For price of wood split iron center pulleys, add 40 per cent. to the above prices. For example, we will take the 18" diameter with 4" face. The price is \$2.03—now by taking 40 per cent. of \$2.03 makes 81 cents, which added to \$2.03 makes the price \$2.84 or the price of the iron center pulley.

When ordering pulleys, state diameter of pulley, width of face, whether straight or crown face, diameter of shaft, and whether split or solid pulley is wanted.

Pulleys cannot be returned as they are made to order.

Prices will be quoted on larger sizes on application.

Pulleys having square holes an additional charge of 40c per wheel will be made.

All pulleys will be shipped direct from our factory in central Pennsylvania.

STANDARD MACHINE MOULDED IRON PULLEYS

They are bored, turned and balanced, with key seat or set screws. If bore is special size or is large in comparison with size of pulley, or if both key-seated and set-screwed, an extra charge will be made.

Diameter Inches.	Face Inches.	Single Belt.	Diameter Inches.	Face Inches.	Single Belt.
6.....	3.....	\$0.94	10.....	12.....	\$2.88
6.....	4.....	1.00	12.....	3.....	1.37
6.....	5.....	1.10	12.....	4.....	1.50
6.....	6.....	1.22	12.....	5.....	1.68
6.....	7.....	1.34	12.....	6.....	1.85
6.....	8.....	1.46	12.....	7.....	2.00
8.....	3.....	1.10	12.....	8.....	2.18
8.....	4.....	1.18	12.....	9.....	2.38
8.....	5.....	1.30	12.....	10.....	2.57
8.....	6.....	1.42	12.....	11.....	2.83
8.....	7.....	1.54	12.....	12.....	3.10
8.....	8.....	1.66	14.....	3.....	1.56
10.....	3.....	1.22	14.....	4.....	1.70
10.....	4.....	1.32	14.....	5.....	1.87
10.....	5.....	1.46	14.....	6.....	2.09
10.....	6.....	1.63	14.....	7.....	2.27
10.....	7.....	1.78	14.....	8.....	2.50
10.....	8.....	1.97	14.....	9.....	2.69
10.....	9.....	2.18	14.....	10.....	2.93
10.....	10.....	2.40	14.....	11.....	3.21
10.....	11.....	2.64	14.....	12.....	3.53

VALVES

Powell Brass Body Globe, Angular and Check Valves

Size in inches....	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Price, Globe, each	\$.70	.80	1.00	1.35
Price, Angle, each	.70	.80	1.00	1.35
Price, Check, each			.80	1.20

Size in inches....	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Price, Globe, each	\$1.75	\$2.50	\$3.40
Price, Angle, each	1.75	2.50	3.40
Price, Check, each	1.60	2.25	3.05

PARTS FOR POWELL VALVES

Size in inches....	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Discs, each	\$.04	.04	.04	.05
Size in inches....	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	
Discs, each	\$.04	.09	.12	

Standard Globe, Angle and Check Valves BRASS BODY

These valves are of good weight, well proportioned and will stand very heavy pressure.

Size in inches....	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Price, Globe, each	\$.32	.32	.35	.45
Price, Angle, each	.32	.32	.35	.45
Price, Check, each			.32	.40

Size in inches....	$\frac{1}{2}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Price, Globe, each	\$.55	.80	\$1.15	\$1.55
Price, Angle, each	.55	.80	1.15	1.55
Price, Check, each	.50	.72	.90	1.40



Standard Steam, Gas and Water Pipe

Our standard black and galvanized wrought pipe is of the very best quality. Due to the variation of prices, we solicit your inquiries and are in a position to save you considerable money on pipe, especially so on mill shipments direct to you.

GAUGES AND GAUGE COCKS

Compression
Gauge Cocks



$\frac{1}{2}$ inch, each.....**35¢**
 $\frac{3}{4}$ inch, each.....**40¢**

Drip Cocks



$\frac{1}{4}$ inch**13¢**
 $\frac{1}{2}$ inch**15¢**
 $\frac{3}{4}$ inch**17¢**

Brass Steam Stop
Cocks



$\frac{1}{2}$ inch**45¢**
 $\frac{3}{4}$ inch**60¢**
 1 inch**85¢**

Air Cock, Bent Nose



$\frac{1}{4}$ inch**25¢**
 $\frac{1}{2}$ inch**27¢**
 $\frac{3}{4}$ inch**30¢**

Water Gauges



Solid brass body, complete with $\frac{1}{2}$ inch connection, 2 guards.....**\$1.35**
 Upper valve for gauge.....**65¢**
 Lower valve for gauge, with drip cock**85¢**
 Brass rods for gauge, each.....**5¢**

POP SAFETY VALVES

When you buy a Safety Valve for your engine you want one that is reliable—one that you can depend upon. We can conscientiously recommend and guarantee our Pop Valve to fill the bill in every respect.

1 inch, for 5 to 10 H. P. Engines**\$2.80**
 1 $\frac{1}{4}$ inch, for 10 to 20 H. P. Engines**\$3.35**
 1 $\frac{1}{2}$ inch, for 20 to 30 H. P. Engines**\$4.20**
 2 inch, for 30 to 40 H. P. Engines**\$6.50**

STEAM GAUGES

These gauges are well and carefully made and are designed for all classes of service where it is desired to indicate pressure accurately. The double spring gauge is best suited for traction engines, or any service where the jar is severe.

Single Spring Gauge, without siphon, 3 $\frac{1}{2}$ inch dial.....**\$1.50**
 Single Spring Gauge, without siphon, 5 inch dial.....**\$1.50**
 Single Spring Gauge, with brass siphon, with cock, 3 $\frac{1}{2}$ inch dial**\$2.75**

Single Spring Gauge, with brass siphon, with cock, 5 inch dial**\$2.75**
 Double Spring Gauge, without siphon, 4 $\frac{1}{2}$ inch dial**\$2.50**
 Double Spring Gauge, without siphon, 5 inch dial**\$2.50**
 Double Spring Gauge, with brass siphon, with cock, 4 $\frac{1}{2}$ inch dial.....**\$3.75**
 Double Spring Gauge, with brass siphon, with cock, 5 inch dial.....**\$3.75**



SINGLE BELL CHIME WHISTLES



Solid brass, nicely finished, producing three distinct, harmonious and musical sounds, which can be heard at a great distance.

2 in. bell, $\frac{3}{4}$ in. pipe connection.....	\$3.50
2½ in. bell, $\frac{3}{4}$ in. pipe connection.....	\$4.40
3 in. bell, 1 in. pipe connection.....	\$5.40
4 in. bell, 1 in. pipe connection.....	\$8.90
5 in. bell, 1½ in. pipe connection.....	\$13.75

Plain Whistles

2½ in. bell, $\frac{3}{4}$ in. pipe connection.....	\$2.85
3 in. bell, 1 in. pipe connection.....	\$3.75
3½ in. bell, 1 in. pipe connection.....	\$5.00
4 in. bell, 1½ in. pipe connection.....	\$6.60
5 in. bell, 1½ in. pipe connection.....	\$9.90

SPECIAL HIGH GRADE DRY CELL BATTERIES

With high amperage, for engine ignition purposes.

Price, each**25¢**



UNITED STATES INJECTOR



We carry the following sizes in stock for immediate delivery:

No. 1, 4 to 8 H. P., $\frac{3}{4}$ inch pipe connection.....	\$4.80
No. 2, 8 to 16 H. P., $\frac{3}{4}$ inch pipe connection.....	\$5.40
No. 3, 15 to 20 H. P., $\frac{3}{4}$ inch pipe connection.....	\$6.00
No. 4, 20 to 30 H. P., $\frac{3}{4}$ inch pipe connection.....	\$7.50
No. 5, 30 to 40 H. P., $\frac{3}{4}$ inch pipe connection.....	\$9.00
No. 6, 40 to 60 H. P., 1 inch pipe connection.....	\$12.00

ALL BRASS STRAINERS

Iron pipe threads, suitable for hose or iron pipe by the use of a short piece of pipe or nipple.

Pipe sizes	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1½"	2"
Price, each	.30	.35	.40	.45	.60



THE "SWIFT" SINGLE CONNECTION SIGHT FEED LUBRICATOR



This Lubricator is designed for use where it is desirable to attach with only one connection to the steam pipe. It is so constructed that it will feed any oil, no matter how heavy, even in exposed conditions in cold weather. Owing to the reliability of lubricators of this class under these conditions, more of them are used on threshing engines in cold climates than all other makes combined. Lubricators of this class under these conditions, more of them are used.

The ease with which this style of lubricator can be connected and disconnected has helped to make it a favorite with all classes of the trade. It is designed to be connected to the steam pipe between the throttle valve of the engine or pump and the boiler, thus insuring a steady pressure on the lubricator. Many thousands of these lubricators are in use, not only upon threshing engines, but also on all kinds of portable and stationary engines, steam pumps, etc., both in the United States and foreign countries.

Class F, capacity 1/3 pint.....	$\frac{3}{4}$ inch pipe connection. Price.....	\$2.35
Class F, capacity ½ pint.....	$\frac{3}{4}$ inch pipe connection. Price.....	\$2.50
Class F, capacity 1 pint.....	$\frac{3}{4}$ inch pipe connection. Price.....	\$3.75

We carry in stock a full line of repairs for the Swift Lubricators

AUTOMATIC COMPRESSION GREASE CUPS

These Grease Cups are made heavy and strong, nicely finished, and are adapted for use on all classes of bearings where grease is used as a lubricant.

Number	1	2	3
Diameter	1 1/2 inches	2	2 3/4
Height over all	3 1/4 inches	4 1/4	4 1/4
Pipe Thread	1 1/2 inches	1 1/2	2
Capacity	ounces 3/4	1 1/2	2
Finished	each 50c	60c	75c

PLAIN SPRING GREASE CUPS



This is a simple grease compression cup, with a spring attachment to prevent the cup from jarring off. First designed for automobile use, but it is equally as well adapted to all machinery subject to excessive vibration.

Size	00	0	1	2
Outside diameter.....inches	1"	1 1/4"	1 1/2"	2"
Shank pipe thread.....	1/2"	3/4"	1"	1 1/2"
Capacity grease.....ounces	1/2	2/3	1	2
Price	each 25	25	32	38



Highest Grade Steam Boiler Tubes

Price cut, ready to length for your boiler on application. Get our prices before ordering.

PACKINGS FOR STEAM ENGINES

Crendall's Spiral Piston we carry in 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2", 1 3/4", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 6 1/2", 7", 7 1/2", 8", 8 1/2", 9", 9 1/2", 10", 10 1/2", 11", 11 1/2", 12", 12 1/2", 13", 13 1/2", 14", 14 1/2", 15", 15 1/2", 16", 16 1/2", 17", 17 1/2", 18", 18 1/2", 19", 19 1/2", 20", 20 1/2", 21", 21 1/2", 22", 22 1/2", 23", 23 1/2", 24", 24 1/2", 25", 25 1/2", 26", 26 1/2", 27", 27 1/2", 28", 28 1/2", 29", 29 1/2", 30", 30 1/2", 31", 31 1/2", 32", 32 1/2", 33", 33 1/2", 34", 34 1/2", 35", 35 1/2", 36", 36 1/2", 37", 37 1/2", 38", 38 1/2", 39", 39 1/2", 40", 40 1/2", 41", 41 1/2", 42", 42 1/2", 43", 43 1/2", 44", 44 1/2", 45", 45 1/2", 46", 46 1/2", 47", 47 1/2", 48", 48 1/2", 49", 49 1/2", 50", 50 1/2", 51", 51 1/2", 52", 52 1/2", 53", 53 1/2", 54", 54 1/2", 55", 55 1/2", 56", 56 1/2", 57", 57 1/2", 58", 58 1/2", 59", 59 1/2", 60", 60 1/2", 61", 61 1/2", 62", 62 1/2", 63", 63 1/2", 64", 64 1/2", 65", 65 1/2", 66", 66 1/2", 67", 67 1/2", 68", 68 1/2", 69", 69 1/2", 70", 70 1/2", 71", 71 1/2", 72", 72 1/2", 73", 73 1/2", 74", 74 1/2", 75", 75 1/2", 76", 76 1/2", 77", 77 1/2", 78", 78 1/2", 79", 79 1/2", 80", 80 1/2", 81", 81 1/2", 82", 82 1/2", 83", 83 1/2", 84", 84 1/2", 85", 85 1/2", 86", 86 1/2", 87", 87 1/2", 88", 88 1/2", 89", 89 1/2", 90", 90 1/2", 91", 91 1/2", 92", 92 1/2", 93", 93 1/2", 94", 94 1/2", 95", 95 1/2", 96", 96 1/2", 97", 97 1/2", 98", 98 1/2", 99", 99 1/2", 100", 100 1/2", 101", 101 1/2", 102", 102 1/2", 103", 103 1/2", 104", 104 1/2", 105", 105 1/2", 106", 106 1/2", 107", 107 1/2", 108", 108 1/2", 109", 109 1/2", 110", 110 1/2", 111", 111 1/2", 112", 112 1/2", 113", 113 1/2", 114", 114 1/2", 115", 115 1/2", 116", 116 1/2", 117", 117 1/2", 118", 118 1/2", 119", 119 1/2", 120", 120 1/2", 121", 121 1/2", 122", 122 1/2", 123", 123 1/2", 124", 124 1/2", 125", 125 1/2", 126", 126 1/2", 127", 127 1/2", 128", 128 1/2", 129", 129 1/2", 130", 130 1/2", 131", 131 1/2", 132", 132 1/2", 133", 133 1/2", 134", 134 1/2", 135", 135 1/2", 136", 136 1/2", 137", 137 1/2", 138", 138 1/2", 139", 139 1/2", 140", 140 1/2", 141", 141 1/2", 142", 142 1/2", 143", 143 1/2", 144", 144 1/2", 145", 145 1/2", 146", 146 1/2", 147", 147 1/2", 148", 148 1/2", 149", 149 1/2", 150", 150 1/2", 151", 151 1/2", 152", 152 1/2", 153", 153 1/2", 154", 154 1/2", 155", 155 1/2", 156", 156 1/2", 157", 157 1/2", 158", 158 1/2", 159", 159 1/2", 160", 160 1/2", 161", 161 1/2", 162", 162 1/2", 163", 163 1/2", 164", 164 1/2", 165", 165 1/2", 166", 166 1/2", 167", 167 1/2", 168", 168 1/2", 169", 169 1/2", 170", 170 1/2", 171", 171 1/2", 172", 172 1/2", 173", 173 1/2", 174", 174 1/2", 175", 175 1/2", 176", 176 1/2", 177", 177 1/2", 178", 178 1/2", 179", 179 1/2", 180", 180 1/2", 181", 181 1/2", 182", 182 1/2", 183", 183 1/2", 184", 184 1/2", 185", 185 1/2", 186", 186 1/2", 187", 187 1/2", 188", 188 1/2", 189", 189 1/2", 190", 190 1/2", 191", 191 1/2", 192", 192 1/2", 193", 193 1/2", 194", 194 1/2", 195", 195 1/2", 196", 196 1/2", 197", 197 1/2", 198", 198 1/2", 199", 199 1/2", 200", 200 1/2", 201", 201 1/2", 202", 202 1/2", 203", 203 1/2", 204", 204 1/2", 205", 205 1/2", 206", 206 1/2", 207", 207 1/2", 208", 208 1/2", 209", 209 1/2", 210", 210 1/2", 211", 211 1/2", 212", 212 1/2", 213", 213 1/2", 214", 214 1/2", 215", 215 1/2", 216", 216 1/2", 217", 217 1/2", 218", 218 1/2", 219", 219 1/2", 220", 220 1/2", 221", 221 1/2", 222", 222 1/2", 223", 223 1/2", 224", 224 1/2", 225", 225 1/2", 226", 226 1/2", 227", 227 1/2", 228", 228 1/2", 229", 229 1/2", 230", 230 1/2", 231", 231 1/2", 232", 232 1/2", 233", 233 1/2", 234", 234 1/2", 235", 235 1/2", 236", 236 1/2", 237", 237 1/2", 238", 238 1/2", 239", 239 1/2", 240", 240 1/2", 241", 241 1/2", 242", 242 1/2", 243", 243 1/2", 244", 244 1/2", 245", 245 1/2", 246", 246 1/2", 247", 247 1/2", 248", 248 1/2", 249", 249 1/2", 250", 250 1/2", 251", 251 1/2", 252", 252 1/2", 253", 253 1/2", 254", 254 1/2", 255", 255 1/2", 256", 256 1/2", 257", 257 1/2", 258", 258 1/2", 259", 259 1/2", 260", 260 1/2", 261", 261 1/2", 262", 262 1/2", 263", 263 1/2", 264", 264 1/2", 265", 265 1/2", 266", 266 1/2", 267", 267 1/2", 268", 268 1/2", 269", 269 1/2", 270", 270 1/2", 271", 271 1/2", 272", 272 1/2", 273", 273 1/2", 274", 274 1/2", 275", 275 1/2", 276", 276 1/2", 277", 277 1/2", 278", 278 1/2", 279", 279 1/2", 280", 280 1/2", 281", 281 1/2", 282", 282 1/2", 283", 283 1/2", 284", 284 1/2", 285", 285 1/2", 286", 286 1/2", 287", 287 1/2", 288", 288 1/2", 289", 289 1/2", 290", 290 1/2", 291", 291 1/2", 292", 292 1/2", 293", 293 1/2", 294", 294 1/2", 295", 295 1/2", 296", 296 1/2", 297", 297 1/2", 298", 298 1/2", 299", 299 1/2", 300", 300 1/2", 301", 301 1/2", 302", 302 1/2", 303", 303 1/2", 304", 304 1/2", 305", 305 1/2", 306", 306 1/2", 307", 307 1/2", 308", 308 1/2", 309", 309 1/2", 310", 310 1/2", 311", 311 1/2", 312", 312 1/2", 313", 313 1/2", 314", 314 1/2", 315", 315 1/2", 316", 316 1/2", 317", 317 1/2",
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IMPROVED COMBINATION ANVIL, VISE AND DRILL

\$2.90



square Shanks. Each (without drill bits)..... **\$2.90**

No. 25—A strong, substantial combination, the draw-bar being made of steel T-rail, will not break. The vise jaws are polished, and the face of the anvil is case hardened, polished, and provided with a steel hardie. It is easily and quickly manipulated, no screws or bolts to take out, capable of a wide range of work. Width of jaw, 3½ in.; will open 6 in.; depth of throat, 5½ in.; total height, 8½ in.; weight, 44 lbs. Chuck fitted for drill bits with

Smoke Stack and Guys

(For Elbow in Stack, add cost for 8 feet of Stack)

Diameter of Stack, inches	8	10	12	14	16	20	22
No. 16 Iron, per foot	.57	.62	.66	.70	.75	.84	.89
" 14 " " "	.50	.54	.58	.62	.66	.75	.80
" 12 " " "		1.01	1.14	1.23	1.36	1.45	1.54
" 10 " " "			1.45	1.58	1.71	1.84	1.97
Galvanized Wire Rope for Guys, per foot	.02	.02	.02	.02	.02	.02	.02
Damper in Stack	2.20	2.42	2.64	2.64	2.64	2.82	2.82
Umbrella Top for Stack	2.20	2.20	2.64	2.64	2.64	2.82	2.82

Grate Bars

We carry a large stock of Grate Bars for all different styles and types of boilers. Write us at once, giving us the size of fire box, stating whether round or square, "Straight Bar" or "Zigzag" Bars are wanted and we will name you a price that will get your order.

Champion Agricultural Lever and Crank Forges

\$4.40



No. 152. With Shield



No. 150



No. 45

Champion Agricultural Lever and Crank Forges are built to meet the demands of a cheap Forge for farmers' use. They are well built, but in the lowest priced manner possible, and are intended for use where light odd jobs are done.

No. 150 Champion Lever Forge with shield, hearth 18" in diameter, fan 8", weight, 75 lbs. Price..... **\$4.40**

No. 153 Champion Crank Forge with half hood to take stove pipe, otherwise same as No. 150, weight, 50 lbs. Price..... **\$4.75**

No. 152 Champion Crank Forge, same as the No. 153 Forge, with shield, weight, 75 lbs. Price..... **\$4.48**

No. 45 Lancaster Geared Agricultural Forge is well built, low-priced, direct-drive, makes a good blast producer, and is highly recommended for farmers' use. All gears are supplied with bushed journals, permitting the Blower to run smooth and noiseless in a dust proof case. Crank turns in either direction to produce blast. Hearth 22" in diameter, fan, 10", with shield, weight, 115 lbs. Price..... **\$10.13**

The Full Mounted "Easy" Screw Plates have a separate stock with each die, and we include with each set a patent adjustable tap wrench.

Full Mounted "Easy" Screw Plate, No. 51. Cutting 5 sizes as follows: $\frac{1}{4}$ -20, $\frac{7}{16}$ -18, $\frac{1}{2}$ -16, $\frac{5}{8}$ -14, $\frac{3}{4}$ -12 thread. Complete in handsome box with taper taps. The dies and taps cut $1/32$ in. over size. Standard V thread. Weight, 23 pounds. Per set.....**\$6.95**

Full Mounted, "Easy" Screw Plate, No. 55. Cutting 7 sizes as follows: $\frac{1}{4}$ -20, $\frac{7}{16}$ -18, $\frac{1}{2}$ -16, $\frac{5}{8}$ -14, $\frac{3}{4}$ -12, $\frac{1}{2}$ -11, $\frac{3}{4}$ -10 thread. Complete in handsome box with taper taps. The dies and taps cut $1/32$ in. over size. Standard V thread. Weight, 27 pounds, per set.....**\$9.95**

Full Mounted "Easy" Screw Plate, No. 57. Cutting 9 sizes as follows: $\frac{1}{4}$ -20, $\frac{7}{16}$ -18, $\frac{1}{2}$ -16, $\frac{5}{8}$ -14, $\frac{3}{4}$ -12, $\frac{1}{2}$ -11, $\frac{3}{4}$ -10, $\frac{1}{2}$ -9, 1-8 thread. Complete in handsome box with taper taps. The dies and taps cut $1/32$ in. over size. Standard V thread. Weight, 41 pounds. Per set.....**\$16.25**

FULL MOUNTED "EASY" PLATE



NO. 92 DRILL



No. 92 has Hand Feed, without Fly Wheel or Back Gearing. Drills to Center of 12-inch Circle. Spindle $\frac{1}{2}$ inch in Diameter, with Up-and-down Run of 3 inches. Bored for $\frac{1}{2}$ -inch Straight Shank Bits; If Specially Ordered, $41/64$ -inch.

No. 92—Champion Hand-Feed Post Drill:
Weight, 65 lbs. Each,
\$3.75

NO. 90 SELF-FEED DRILL



No. 90 has One Speed and is Back-gear'd. All Bearings Are Ground Out of the Solid Metal. Slotted Lathe-turned Table Like All Higher Priced Drills. Drills to Center of $14\frac{1}{2}$ -inch Circle. Spindle $1\frac{1}{4}$ inches in Diameter, with Up-and-down Run of 3 inches. Bored for $\frac{1}{2}$ -inch Straight Shank Bits; If Specially Ordered, $41/64$ -inch. Drills Holes up to 1 inch.

No. 90—Champion Self-Feed Post Drill; Weight, 160 lbs. Each.....\$5.95

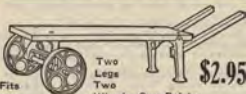
CAST IRON ANVILS WITH SPECIAL CHILLED FACE

These anvils have hardened faces, are smooth and neatly finished and are hardened by our special process. They answer all requirements for ordinary mechanic, farmer, lumberman, for mill and factory use, in fact can be used to advantage in many cases.

No. 21 — 20 pounds, price **\$0.60**
No. 21½ — 70 pounds, price **2.00**
No. 22 — 160 pounds, price **2.80**



Wheelbarrow Engine Truck



Fits any Small Engine
Two Legs
Two Wheels, One Bolster,
Two Handles
11-INCH WHEELS WITH $1\frac{1}{2}$ -INCH TIRES

\$2.95

Suitable for engines up to 3 H.-P. Can be bolted to any engine skids. By using these fixtures, you can mount any small engine, making it portable. Lag screws can be placed in the feet to make it stationary. Can be turned in its own length, and is much handier than a four-wheeled truck. The bolster can be located on engine skids to give proper balance. Plank shown in illustration is not furnished.

Wheelbarrow Truck. Weight, 35 lbs. Price\$2.95

Engine Truck

FOR ENGINES NOT EXCEEDING 450 LBS. IN WEIGHT

The handiest, most economical and most useful little truck for use about the farm, especially adapted to portable gasoline engines and serviceable for other kinds of light hauling.

It is made exceedingly strong and is easily handled.

Wheels are iron, 11" in diameter with 1 1/4" wide tires. Platform is 36" long by 16" wide, but by laying boards on top, any width or length of platform may be obtained, as the wheels are under the platform. Has strong hand tongue, and steel axles. Strong turn table, allowing front wheels to turn under platform.



\$3.50

Weight, 70 lbs. Hand Truck. Price..... **\$3.50**

The Hertzler & Zook Kerosene Engine

Economical power for every requirement is furnished by the HERTZLER & ZOOK KEROSENE ENGINE.

No farm today should be without a HERTZLER & ZOOK ENGINE as it will not only save the full time and expense of at least one man in doing various kinds of work, but will also make life on the farm much more pleasant in every particular. It will keep the boys on the farm and instead of objecting to the work they have to do they will look forward to the time when they have to run the engine and consider it a pleasure.

It will do the pumping, wood sawing, feed grinding, ensilage cutting, cream separating and churning. It will do the washing for your wife and save her that awful backache which comes every wash day and is wearing her life away quickly. In

fact, generally speaking, the HERTZLER & ZOOK KEROSENE ENGINE will make a business man of the farmer.

The hardest thing to get on the farm is labor and a HERTZLER & ZOOK KEROSENE ENGINE will not only supply this deficiency but will also make what labor is left to be pleasant instead of disagreeable.

THE HERTZLER & ZOOK KEROSENE ENGINE has been designed and produced to get away from the high cost of gasoline by the use of kerosene and in the same time use gasoline at such times that the cost of same may permit. You should have a simple engine for farm work and at the same time one that will stand hard usage, and that is what this engine will do. It is the simplest engine ever made. There are only three moving parts. There are no sprockets, cams, gears or other mechanisms always ready to get out of order at the least excuse. So that it should be light in weight and easily moved from place to place we made it a two cycle engine and engine authorities everywhere are now acknowledging the fact that the two cycle principle in gas engine construction is giving far better satisfaction than any other. You should get the best for your money. Do not allow anyone to fool you but send in your order at once for a HERTZLER & ZOOK KEROSENE ENGINE.

Sizes, Specifications and Prices as follows:

Horse-power	Cylinder Bore	Piston Stroke	Diameter of Shaft	Extreme Length of Skids	Extreme Breadth	Extreme Height	Weight	Price
2	3 1/4	3 1/4	1 1/4	46"	12"	37"	340 lbs.	\$ 64.00
4	4	4	1 1/2	48"	13"	42"	400 lbs.	96.00
6	4 1/2	4 1/2	1 3/4	50"	15"	45"	525 lbs.	136.00
8	5 1/2	6	1 3/4	54"	16"	48"	700 lbs.	176.00

BOXES

Heavy and suitable for all ordinary work; babbitted with the very best grade of babbit for shaft services. Sizes given are for diameter of shaft.

Inches.	Price.	Inches.	Price.
$\frac{3}{4}$	\$0.40	$1\frac{1}{8}$	\$0.65
1	.42	$1\frac{1}{2}$	.74
$1\frac{1}{8}$	.52	$1\frac{3}{4}$	.83
$1\frac{1}{2}$	.55	$1\frac{7}{8}$	1.10

RING OILING BOXES

Inches.	Price.	Inches.	Price.
1 to $1\frac{1}{8}$	\$1.50	$1\frac{1}{8}$	\$2.40
$1\frac{1}{8}$	1.86	$2\frac{1}{8}$	2.80
$1\frac{1}{2}$	2.10	$2\frac{3}{8}$	3.20

SHAFTING HANGERS

Solid drop hangers, not adjustable, either bored or babbitted with 3° drop. Any size to $1\frac{1}{2}$ " inclusive. Price, \$1.45.

ADJUSTABLE DROP HANGERS

Having 14 to 16 inch Drop

Size of Shaft.	Price.	Size of Shaft.	Price.
$1\frac{1}{8}$ "	\$1.45	$1\frac{1}{2}$ "	\$1.85
$1\frac{1}{2}$ "	1.80	$1\frac{3}{4}$ "	2.60

SOLID SAFETY COLLAR FINISHED ALL OVER WITH COUNTERSUNK SET SCREW HEADS



Inches.	Price.
$\frac{1}{2}$	\$0.12
1	.13
$1\frac{1}{8}$	.15
$1\frac{1}{4}$	.18
$1\frac{1}{2}$	.20
$1\frac{3}{4}$	.22
$1\frac{7}{8}$	.24
$1\frac{1}{2}$	.26
$1\frac{3}{4}$	.28

LINE SHAFTING

SMOOTH, FINISHED TO SIZE, POLISHED COLD ROLLED STEEL SHAFTING
In 20 Ft. Lengths, or Less; Cut to Order. No Charge for Cutting

Sizes	$\frac{3}{4}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "	$2\frac{1}{4}$ "
Price, per ft.....	5c	10c	14c	19c	24c	29c	34c

SHAFT COUPLINGS

COMPRESSION COUPLINGS

For coupling shafting together. No key required

Sizes	$\frac{3}{4}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "	$2\frac{1}{4}$ "
Price, each.....	\$1.35	\$1.50	\$1.65	\$1.85	\$2.10	\$2.45	\$3.95



Price per lb. \$.25
We also carry in stock, a grade of babbit metal known as No. 4.
Price per lb.15

Canvas, Leather and Rubber Belting

Stitched Canvas Belting



Our Stitched Canvas Belting is unaffected by atmospheric changes, uninjured by water or steam, and may be subjected to a degree of heat ruinous to other belting. It is, therefore, the best belting for outdoor use and for wet, damp or hot places. Made of special long fibre cotton duck, carefully stitched, and thoroughly stretched. Saturated in oil, Painted Red. Always remains flexible. Quality guaranteed.

SPECIAL ENDLESS BELTS—If belts are wanted endless, always allow the price of 3 feet extra to cover cost of lap and the labor. Usual delay, two to three weeks, to make endless at factory.

Four-Ply Red Stitched Canvas Belting

Width	Per foot	Width	Per foot
1½ in.	6c.	6 in.	18c.
2 in.	7c.	7 in.	20c.
2½ in.	9c.	8 in.	22c.
3 in.	10c.	9 in.	24c.
3½ in.	11c.	10 in.	27c.
4 in.	13c.	12 in.	31c.
5 in.	16c.		

Six-Ply Red Stitched Canvas Belting

Width	Per foot	Width	Per foot
3 in.	16c.	8 in.	36c.
4 in.	19½c.	9 in.	41c.
5 in.	23c.	10 in.	45c.
6 in.	27c.	12 in.	54c.
7 in.	31c.		

ENDLESS THRESHER BELTS

RED STITCHED CANVAS 17c foot

Our Stitched Canvas Thresher Belts are made from especially prepared heavy cotton duck, thoroughly stretched, and sewed from end to end under heavy tension, making a very strong yet pliable fabric. Not affected by water, heat, steam or atmospheric changes and fully guaranteed under fair usage. Each belt is made endless at the factory, and as it requires three feet to make the lap, therefore, each belt will measure just three feet short.

For example, the actual net length of a 100-ft belt will be 97 ft. The following standard lengths are carried in stock and can make prompt shipment: 80, 100, 120, 130, 140, 150, 160-ft. Special lengths and sizes have to be made to order at factory and usually cause a delay of two to three weeks.

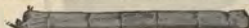


Four-Ply Endless Thresher Belts

Width, 6 inch, per foot	17c.
Width, 7 inch, per foot	20c.
Width, 8 inch, per foot	23c.

Five-Ply Endless Thresher Belts

Width, 6 inch, per foot	22c.
Width, 7 inch, per foot	26c.
Width, 8 inch, per foot	30c.



Lace Leather

Our lacing is nothing but the highest quality. Rawhide Cut Lace. We do not sell less than a full bundle. ¼ inch, 96c.; ½ in., \$1.38; ¾ in., \$1.78; 1 in., \$2.35.

GUARANTEED GOOD QUALITY LEATHER BELTING.

Width in inches	Price Per Foot	Width in inches	Price Per Foot	Width in inches	Price Per Foot
1	\$0.08	3	.25	6	.51
1½	.12	3½	.30	7	.60
2	.16	4	.32	8	.68
2½	.20	5	.42		

RUBBER BELTING Guaranteed To Be of a High Grade

2 inch, 3 ply—per foot	\$0.08	6 inch, 4 ply—per foot	\$0.27
3 inch, 4 ply—per foot	.14	7 inch, 4 ply—per foot	.32
4 inch, 4 ply—per foot	.19	8 inch, 4 ply—per foot	.37
5 inch, 4 ply—per foot	.23		

If belt is to be made endless allow 3 feet for doing so, and three weeks time.

BELT DRESSING



"EASE-ON"



This is a preparation carefully compounded exclusively from vegetable fibres best known for their preservative and adhesive qualities. It positively contains no chemicals, prevents absolutely all slippage, keeps Belts soft and pliable, relieves all strain on shafting, insures against hot bearings and all waste of Belt power, and will add materially to the life of a Belt. We guarantee its efficiency for Leather, Canvas and all kinds of Belting, Ropes and Cables. For convenience of the trade EASE-ON is put up in Bar and Paste form as follows:

Put in up 1 Pound Bars and 5 lb. Screw-Top Tin Cans

Trade Mark Reg. U. S. Pat. Office

Price per bar, 30c. Per 5 lb. can, \$1.50.

ATLANTIC CUP GREASE—Only the very best grade carried in stock. Put up in 10 lb. Cans with tight lid and bale. Price, per 10 lb. can \$1.00

HIGH GRADE LUBRICATING OILS FOR ALMOST EVERY PURPOSE—Special high grade oils at exceptionally low prices. Shipping weights of oils run about as follows: bbl., 400 lbs.; $\frac{1}{2}$ bbl., 250 lbs.; 5 gal. cans, 40 lbs. No extra charge for cans or barrels.

Hertzler & Zook Red Engine

Barrels, about 52 gallons, per gal.24
 $\frac{1}{2}$ Bbls., about 28 gallons, per gal.27
 5 gallon can, per can1.60

Harvester Oil

Barrels, about 52 gallons, per gal.22
 $\frac{1}{2}$ Bbls., about 28 gal., per gal.25
 5 gallon cans, per can1.50

Steam Engine Cylinder Oils

Barrels, about 52 gallons, per gal.33
 $\frac{1}{2}$ Bbls., about 28 gallons, per gal.36
 5 gallon cans, per can2.05

Gas Engine Cylinder Oil

Barrels, about 52 gallons, per gal.29
 $\frac{1}{2}$ Bbls., about 28 gallons, per gal.32
 5 gallon cans, per can1.85

WOOD PLANERS

A Line of High Grade

Wood Planers, Matchers and Moulders

This Planer is designated to meet the needs of small shops and those requiring a light but good, strong, durable single-surfacer planer for general work at a low price. It is built throughout of the best grade iron and steel, and the workmanship is first-class. Its simplicity, compactness, and large capacity in proportion to its size have made it very popular, and secured for it a very large sale.

It works either hard or soft wood equally well, and is particularly adapted to planing short stock. The work turned out is first-class and equal to that done by the larger, high priced machines.

The Cutter Head is made from high grade steel and is accurately turned and balanced. All adjustments are quickly and easily made.



It has two Fluted Power Feed Rolls, one in front and one in rear of the cutter head, to insure a strong, positive feed. Two speeds of feed are provided for by means of cone pulleys. The feed can be stopped or started instantly by means of a convenient belt tightener. The Bed is cast in one piece with heavy ribs underneath, and is accurately planed and fitted with two steel idle rolls.

It is built in two sizes to plane up to 16 inches and 20 inches wide, and from $\frac{1}{4}$ inch to 6 inches thick. It is furnished with one pair of planer knives, and with or without countershaft as ordered. No belting is furnished. Feed belts require $13\frac{1}{2}$ feet of $1\frac{1}{2}$ inch belting.

	Bank Deposit	Cash With Order
Price, 16" machine without countershaft as shown above	\$85.70	\$82.70
Shipping weight 570 pounds.		

	Bank Deposit	Cash With Order
Price, 20" machine without countershaft as shown above	\$93.58	\$91.58
Shipping weight 595 pounds.		
If countershaft is wanted add	12.30	12.30
Shipping weight 150 pounds.		

We also have a heavier single surfacer that will plane stock 20" and 24" wide $\frac{1}{4}$ to 6" thick. Further description will be given on application.

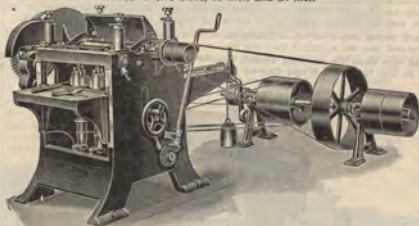
	Bank Deposit	Cash With Order
Price, 20" complete less countershaft and belting	\$172.90	\$171.90
Shipping weight 1,285 pounds.		

	Bank Deposit	Cash With Order
Price 24" complete less countershaft and belting	\$205.10	\$203.10
Shipping weight 1,475 pounds.		
If countershaft is wanted add	13.75	13.75
Shipping weight 215 pounds.		

For prices on Belting See Pages 27 and 28.

"TRIUMPH" PLANER, MATCHER AND MOULDER

Made in two sizes, 20 inch and 24 inch



View of operating side, showing Matcher Heads, Lever for raising Table and Hand Wheel for adjusting Matcher Heads.

This is a very compact, rigid machine and is designed to economize space and withstand the hardest usage as well as to do the best class of work. There is an entire absence of vibration so common in small planers of this class; hence, the work turned out is uniform and equal in quality to that of large, expensive machines. The workmanship and material throughout are of the highest grade. It is adapted to the use of saw mills and small planing mills having limited room and power where a machine is required for a large variety of work, such as planing and matching, beading, working flooring, ceiling, siding, casing, wainscoting, and a large variety of moulding and trim.

The Main Frame is amply proportioned and strongly ribbed, insuring the greatest strength and stiffness.

The Table is cast in one piece and is deep and strong, being heavily ribbed and having arched braces under side. It is planed on top and has raised edges to prevent the material from leading against the side frames. The slides are long and placed far apart, being fitted to the outer edges of the main frame to which they are gibbed, thus securing the greatest rigidity and least possible wear.

The Cylinder is made of special grade steel and is accurately milled on four sides, two of the sides being slotted to carry beading and moulding knives in addition to the regular planing knives, which do not have to be removed when beading and moulding is being cut.

Matcher Spindles are unusually large and run in long babbitted boxes, ample provision being made for thorough lubrication. The matcher frames are also very strong and are carried by $1\frac{1}{2}$ inch round steel guides at top and bottom, provision being made to easily take up any wear or lost motion. One of the matcher spindles is adjustable by means of a hand wheel at the side of the machine and has an eccentric clamp for instantly securing it in any desired position.

Matcher Heads are made of bronze of standard design and will carry matcher, edger or moulding bits $\frac{1}{4}$ inch thick and up to $2\frac{1}{4}$ inches wide. Shiner heads can be used when desired. Moulding knives can also be used on the main cylinder where the cut is not over $\frac{3}{8}$ inch deep.

Chip Breakers. A heavy adjustable chip breaker is placed in front of the cylinder, which also acts as a hood. It may be swung back to expose the knives. Each matcher head has a chip breaker, one of which is self-adjusting.

Pressure Bar is adjustable and prevents any vibration of material between the cylinder and matcher heads. This bar and the front chip breaker may be set close to the cylinder for special smooth surfacing and can be set out so as to clear moulding bits when used.

"TRIUMPH" PLANER, MATCHER AND MOULDER

The Feed is simple, powerful and positive, with steel rolls 3 inch diameter, turned from the solid; the top feeding-in roll being fluted. It is driven by a belt from the countershaft, to which a belt tightener is attached so that the operator can stop or start the feed at will. Two rates of feed are provided, namely 35 feet and 42 feet per minute, and the change from one to the other can be quickly and easily made.

Each planer and matcher is furnished with one pair of planer knives, one pair beading bits and one set standard matcher bits for 1 inch flooring.

The cuts show the machine Double Geared with both top and bottom rolls driven, but it is also furnished Single Geared with the top rolls only driven: see price list.



View of Feed Side Showing Double-gearred Machine with all Four Feed Rolls Driven

Specifications:

	20 in. Mach.	24 in. Mach.
Planes any width up to	20"	24"
Planes any thickness from	$\frac{3}{8}$ " to $\frac{1}{2}$ "	$\frac{3}{8}$ " to $\frac{1}{2}$ "
Matches up to 2" thick and up to	10" wide	14" wide
Tight and Loose Pulleys (speed 800) ..	12" x 6"	12" x 6"
Floor space, including countershaft ..	8' 6" x 6'	8' 6" x 6' 4"
Distance from cylinder to countershaft ..	5' 6"	5' 6"
Shipping weight	2100	2500
Cylinder Belt 6" wide	14' 9" long	14' 9" long
Feed Belt 3" wide	16' long	16' long
Two Matcher Belts 3" wide, each	13' 8" long	13' 8" long
Belts not included, for prices see Belt List.		

Bank Cash With
Deposit Order

Price including countershaft with top rolls only driven, 20" machine..	\$223.30	\$221.30
24" machine	260.18	258.18
Price including countershaft with top and bottom rolls driven, 20" machine	241.75	239.75
24" machine	278.62	276.62

For prices of belting see pages 27 and 28.

GRAIN THRESHER, SEPARATOR AND CLEANER

Do your own threshing. Save the straw that goes to waste.

What you save, and pay to the thresherman will pay for one of these threshers in one year.



This thresher is built for use with small power such as tread power and small gasoline engines and in fact, it is a machine that the independent farmer cannot afford to be without and with an average crop can be almost paid for in one season.

The machine is well built using nothing but the best of material throughout.

Size of Cylinder	18" x 20"
Size of Riddles	22"
Size of Trunk	27"

Power required, two horse tread power or three horse power engine and upward.

Has a capacity of 10 to 20 bushels wheat and 20 to 40 bushels of oats per hour.



The great feature of the machine is that it can be taken apart for storage and thus requires very little space.

Price of this machine as shown on opposite page

Bank Deposit	Cash With Order
\$95.00	\$93.00

Extra for machine if desired.

Four wheel truck with attachments for mounting any of the above Threshers and cleaners, without brake	\$40.00
Brake for mountings, additional	\$ 5.00
Straw Stacker, 16 or 18 feet long to work straight with windlass	\$24.00
Trailings Elevator for Nos. 2 or 3 machine each	\$15.00
Grain Bagger for Nos. 1, 2 or 3 machines.....	\$10.00
Duster for any of the above machines	\$20.00



The above cut shows the No. 2 mounted on a four wheel truck and fitted with tailings, elevators, bagger and straight delivery stacker fitted with windlass.

This machine has all the good features of our No. 1 machine, is larger and of greater capacity.

The No. 2 machine requires 4½ H. P. and upwards, size of cylinder 18" x24". Trunk 34", Riddles 30" and has a capacity of 25 to 30 bushels wheat and 50 to 60 bushels of oats per hour.

The concave is made of casting and same is made reversible, using one side with teeth for threshing oats and hard grain, and the other side is ribbed and used for buckwheat and hard grain, when grain is very dry.

Bank Deposit	Cash With Order
\$243.25	\$243.25

Price of No. 2 machine	\$243.25
Weight dismounted 1400 lbs.; mounted 2 00 lbs.	

CYCLONE DUST COLLECTOR FOR THRESHING MACHINES



This duster is built to fill the long felt want of the thresherman, is built for wear and is neat and compact, all bearings are lined with a high grade of Babbitt Metal and have large oil cups. The suction boxes are large, thus giving a good suction which makes it the best on the market.

Price complete with 30" Canvas tube.....	\$9.00
Extra 30" Canvas tube.....	2.50
Extra 40" Canvas tube.....	3.25

Valuable Information for the Man Who Wants To Buy a Feed Mill

The Hertzler & Zook line of feed mills is gotten up expressly to fill every requirement of the farmer and stock raiser and since such is the case it has become necessary that we have the iron plate mill and the Burr Mill. There are no iron plate mills made by any manufacturer that will make as floury chop as the Burr Mill will make.

Most of our enterprising farmers want for stock feeding a chop that is not too fine and also wish to grind ear corn as well as shelled grains and for this purpose we can recommend nothing better than the Hertzler & Zook Iron Plate Mill which will make as much and as nice a chop as any plate mill on the market will make. We would be only too glad to ship you one and let you try it out on your own place to prove the statement we make.

The Hertzler & Zook Improved Burr Mill for

\$55.00

This mill will grind chop and make it floury or it will grind it for stock raising or feeding or anything from fine floury chop to cracked corn as well as make the finest kind of corn meal and graham flour. It will grind as much as any other mill with the same size burr, making nice, even chop. The illustration shows the mill with Corn Breaker in hopper. This is the Only Burr Mill that will crush the corn ears and grind them into chop at one operation, or in other words—a breaker is not required to first run the ear corn through.

The mill is made in one size and has a capacity of from 6 to 20-bushels per hour and can be operated with as low as three horse power.

You do not need to be an expert to start and keep this mill in good order as it is built in the best workmanlike manner.

The stone is of the best available in America for the purpose.

It will certainly pay any one feeding Hogs to investigate this mill. Why not send us your order right now and try one out?

Price of mill complete for grinding shelled grain only (weight 500 pounds) \$55.00

Complete for grinding ear corn and shelled grain (weight 580 pounds)
Price \$65.00

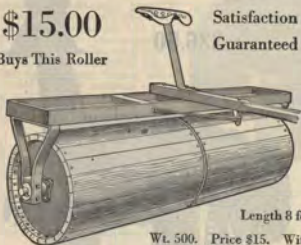


Hertzler & Zook Wood Stave Land Roller

\$15.00

Buys This Roller

**Satisfaction
Guaranteed**



This Hard Wood Stave Land Roller has the pressed steel heads, steel spring seat steel end brackets, as shown in cut, is well built of good materials, with closed end. 1½ in. iron axle extending full length of roller.

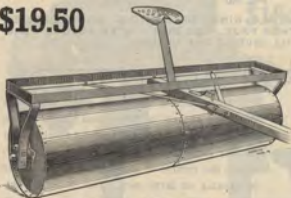
Length 8 feet. Diam. 26 in. Sections 2

Wt. 500. Price \$15. With double-tree and Yoke \$17

STEEL LAND ROLLERS

This roller will be furnished in two or three sections, just as customers may request. The frame is made of heavy angle steel, well braced. The

\$19.50



bearings are of the best grade of seasoned hard wood. The end brackets are of steel channels forged to shape. The heads are of solid pressed steel all in one piece, with heavy cast flange bearing riveted to heads. The seat is of pressed steel, with high carbon spring steel for spring. The axle is 1½" best of wrought iron. Boards may be laid on top of frame, making a

solid top. Made in 8' length only.

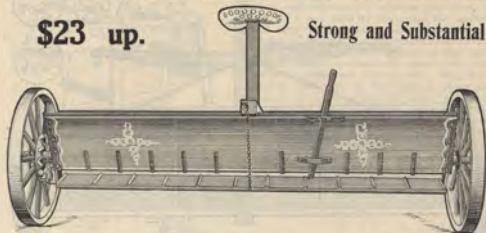
No.	Length.	Section.	Diameter.	Weight.	Price.
90	8'	2	24	565 Lbs.	\$19.50
91	8'	3	24	580 Lbs.	\$20.50

Don't overlook the fact that when buying from us you are buying direct from the manufacturer.

Low Down Force Feed Lime Sower

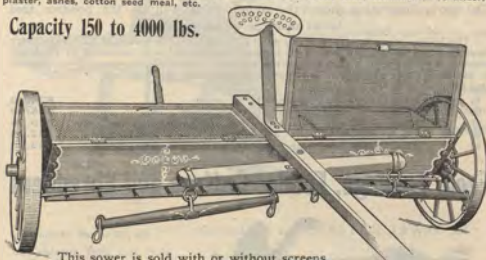
\$23 up.

Strong and Substantial



This sower will sow hydrated lime, pulverized and burnt lime, commercial fertilizer, plaster, ashes, cotton seed meal, etc.

Capacity 150 to 4000 lbs.



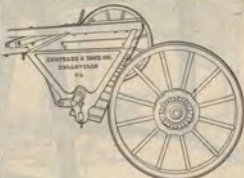
This sower is sold with or without screens.

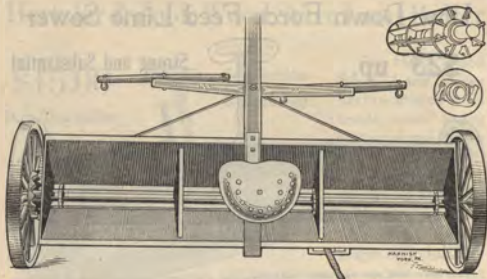
Above illustration shows screens attached.

The screens are useless when pulverized or hydrated lime, or fertilizer is to be sown. When burnt lime, ashes, plaster, or anything having obstruction, such as stones, nails, etc., the screen must be used.

It can be used with or without hinges. When screens are ordered with the sowers, they are put on as shown above.

The wheels are made of the best material available, are 34" high, with 3" x 1/4" iron tire, making a track wide enough to be seen by the operator, each wheel having a ratchet hub to keep the agitator moving at all times, so as not to allow lime, etc., to become packed in hopper. The hopper heads are of cast iron. The distributing board has an end shake which is operated by an egg-shaped ball on a steel pin and a spring working against a notched ring fastened to the center of the wheel plainly shown in the illustrations. Prices on following page.





The above illustration shows the simplicity as well as the positive feed better than can be explained.

The bottom is made of two heavy sheets of steel having a row of $1\frac{1}{8}$ " holes very close together, making the capacity a very wide range and fully controlled by the lever, which is provided with a set enabling the operator to not lose his quantity adjustment at any time. This or no other sower or broadcaster will sow wet lime.

No. Length. Capacity. Ship. Wt.

85	5'	7 bus.	400 Lbs.	with shafts, no screen	\$23.00
86	5'	7 bus.	425 Lbs.	with shafts, with screen	\$25.00
87	8'	11 bus.	400 Lbs.	less double tree and yoke, less screen	\$30.00
88	8'	11 bus.	425 Lbs.	with double tree and yoke, less screen	\$32.00
89	8'	11 bus.	450 Lbs.	with double tree and yoke, with screen	\$34.00

Feed, Ensilage, Fodder Cutters and Shredders



No. 26 is one of the simplest and most durable cutters on the market. It has an 11-inch steel laid knife which can be adjusted to take up all wear, thus giving a perfect shear cut at all times. It has a slide gauge plate by which the length of the cut can be gauged to suit the requirement.

These cutters are knocked down for shipment to secure low freight rates.

Price \$1.90



This cutter is made to meet the demands for a good, yet cheap and durable machine. It is well adapted for parties who wish to cut for a few head of stock and will answer the same purpose as a more expensive machine. It is substantially constructed having a 11¼ inch tempered tool steel cutting knife which makes a downward shear and cuts against a hardened cutting edge. The knife makes three cuts to one turn of crank and length of cut is adjustable from ¾ to 1½. Lower feed roller is smooth while upper roll is grooved. Shaft is ¾ inch in diameter. Capacity per hour, 150 to 200 pounds dry fodder. Weight, knocked down, 150 pounds.

Price\$8.75
Extra for Pulley.....\$1.00

CYCLONE SUCCESS NO. 9

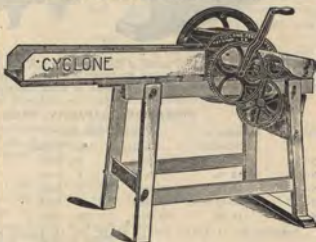


Two lengths of cuts ½" and 1" are furnished on No 9 and four lengths ½, ¾ and 1¼" on Nos. 11 and 13.

The Frames of the machines are firmly joint bolted together and made of the best seasoned oak.

CYCLONE SUCCESS NOS. 11 AND 13

Our line of Success feed cutters are furnished in 3 sizes: 9, 11 and 13, and are intended to be operated either by hand or a small gasoline engine. The combination cutting and shredding cylinder used on these machines will put hay, fodder or green corn in the proper shape for feeding.



PRICES ON FOLLOWING PAGE

DIMENSIONS, PRICE, ETC.

No.	Length of Cylinder	Capacity per hour	Power required	Speed	Weight	Price
9	9"	1 Ton	$\frac{1}{2}$ to 1 H. P.	700	300	\$20.00
11	11"	2 $\frac{1}{2}$ "	1 to 2 "	1000	350	\$26.00
13	13"	4 "	2 to 3 "	1000	400	\$30.00

The above prices include feed trough for all sizes. Feed table furnished at \$1.00 extra.

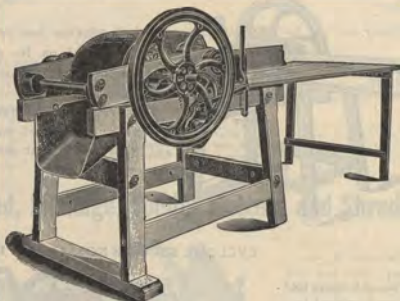
A hand crank is furnished on No. 9 10" pulley \$1.00 extra.

Pulleys only are furnished on Nos. 11 and 13. Hand crank \$1.00 extra.

SIX SIZES—NOS. 11, 13, 15, 17, 20 AND 24

Cyclone Special Ensilage Cutters

Six Sizes—Nos. 11, 13, 15, 17, 20 and 24



The machines all have four changes of feed gears which cut $\frac{1}{2}$, $\frac{3}{4}$, 1 and $1\frac{1}{4}$ inches. The fly wheel and pulley are interchangeable. Our line of Blowers, Carriers and Feed Tables are made in sizes to fit each of these machines.

DIMENSIONS, CAPACITY, PRICE, ETC.

Size	Length of Cylinder	Capacity per hour		Power required	Speed	Weight
		Ensilage	Hay, Fodder		R. P. M.	Lbs.
No. 11	11 in.	5 tons	3 $\frac{1}{2}$ tons	2 H. P.	1000	450
No. 13	13 in.	8 tons	5 tons	3 H. P.	1000	500
No. 15	15 in.	10 tons	7 tons	5 H. P.	1000	625
No. 17	17 in.	12 tons	9 tons	7 H. P.	1000	700
No. 24	24 in.	30 tons	20 tons	12 H. P.	1000	2000

PRICE—No. 11, \$32.25; No. 13, \$39.25; No. 15, \$50.00; No. 17, \$60.00; No. 24, \$100.00.

The above prices do not include Blower, Carrier or Travelling Feed Table.

Cyclone Special Ensilage Cutter

No. 13 in Connection with New Improved Swivel Carrier



COMPOUND SPIRAL CYLINDER



Our line of Success Ensilage Cutters are similar in construction to our Success Cutters, but they are much heavier and are fitted with our new enlarged patented Compound Spiral Cylinder, also with our Semi-Automatic Stop Clutch and Positive Friction Fly Wheel and Pulley.

All sizes of these machines are very heavily constructed and intended for heavy and continuous cutting and for ensilage work. The frame is made of the best seasoned oak and very heavy. The gearing is exceedingly large and wide faced.

Nos. 11 and 12 machines are especially suitable for dairymen having medium sized silos.

Nos. 15 and 17 are for large farmers and stock feeders.

Blower for Nos. 11 and 13, \$50.00 extra.

Blower for Nos. 15 and 17, \$60.00 extra.

Blower pipe, 20c per foot.

14' direct carrier for Nos. 11 and 13, \$17.50 extra.

14' direct carrier for Nos. 15 and 17, \$20.00 extra.

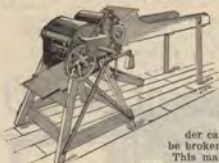
Extra carrier, per ft., \$1.00.

Traveling feed table for Nos. 11 and 13, \$20.00 extra.

Traveling feed table for Nos. 15 and 17, \$25.00 extra.

FODDER SHREDDER

A Fodder Shredder and not a Cutter. A machine that does not spoil the leaves but makes the leaves and stem just right. No knife grinding--always ready.



This machine was designed to meet the demand for a light running, durable and strong shredder at a price in reach of every farmer. The cylinder is reversible in the machine, giving double wearing power.

Top and bottom roll are driven at several speeds. There is also a device to instantly separate the rolls not shown in the cut, which will instantly stop the feed if the engine should lag.

After passing through this machine, the fodder can be handled with a fork, and the leaves will not be broken into dirt.

This machine is made in two sizes, 14-inch and 20-inch cylinder; the 14-inch machine should be run 900 to 1,200 revolutions per minute; pulley $4\frac{1}{2}$ -inch x 5-inch or 6-inch x 6-inch; power, 2 to 6 horse power; capacity, 1 to 3 bundles per minute. 20-inch machine should be run from 900 to 1,200 revolutions per minute. Pulley, 6-inch x 6-inch or 6-inch x 8-inch; power required from 6 to 10 horse power. Capacity according to power.

155 14-inch. Shipping weight, 315 lbs. Price, \$32.81.

156 20-inch. Shipping weight, 645 lbs. Price, 46.88.

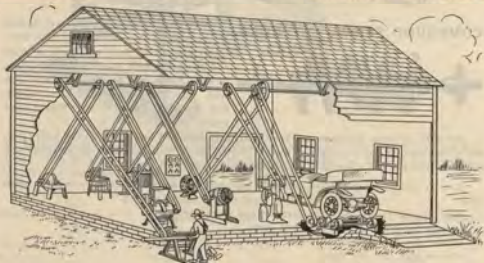
With 18 ft. Elevator.

550 lbs. Price, \$51.81

920 lbs. Price, 70.30

WE SELL A LARGE AMOUNT OF ALL KINDS OF BELTING AND SUPPLIES, WHICH ARE LISTED ON ANOTHER PAGE. SEE OUR PRICES BEFORE PLACING YOUR ORDER, AND YOU WILL GIVE US THE ORDER.

How to Reduce Labor and Make Farm Life a Pleasure



This cut will show you how to hitch up your automobile, and how to make the hard and disagreeable jobs on the farm a pleasure.

The above illustration will at least give an idea as to how you can do many of the disagreeable jobs on your farm, and do them well with pleasure, by the use of the AUTO JACK.

The machines on opposite page, reading from left to right, are as follows:
 1st—The Hertzler & Zook Wood Saw,
 the one that leads the world today.

- 2nd—A grindstone.
 3rd—The Hertzler & Zook Improved
 Burr Mill, for grinding feed.
 4th—Wash Machine.
 5th—Churn.
 6th—Corn Sheller.

7th—Cream Separator.

8th—The Auto Jack, that drives it all
 and enables you to convert power from
 your auto to the different machines.

9th—The Dynamo, which makes the
 electric light to light all your different
 buildings.

The Auto Jack can be used successfully portably and may be used at any place, but
 when placed in the building where the machine is store, located as shown in above illus-
 tration, it can be put to use without stopping the motors and by the aid of 2x4" scant-
 lings nailed on the floor, making guides for the front wheels, which enables you always to
 locate at the same and proper place.

This cut shows our
 late design Auto Jack
 in use with a delivery
 truck. A glance at the
 cut will show its great
 value. It is impossible
 to give an exact rating
 of just how much power
 may be developed, as
 very much depends on
 the conditions. In an
 actual brake test made
 in our factory, with a
 30 H. P. Touring Car,
 7½ actual horse power
 was developed on the belt with the intermediate speed gear.

AUTO JACK



PRICE \$14.50



This cut shows the Jack in use with the
 Automobile. Instead of blocking up the one
 wheel of your auto and wearing out your dif-
 ferential in order to get power on your belt
 you simply run on the Auto Jack
 and you are ready for business
 without running any chance of in-
 juring a high price car. This Jack
 is not injurious to either car or tire
 as the weight each wheel has to
 support is divided in two. It will
 only be a matter of a very short

time until the farmer will get all his power for sawing, grinding, threshing, etc., from the
 auto or truck. Here is what a customer say

Hertzler & Zook Co., Belleville, Pa.

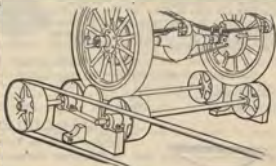
Dear Sirs:—The Auto Jack I purchased a year ago has given perfect satisfaction.
 Would not be without one for sawing wood as I had a small steam engine before I got
 your Auto Jack, and now I can saw a large quantity of wood while I would get my
 steam engine ready. With my 14 H. P. Auto Buggy and your No. 1 Wood Saw and Auto
 Jack we sawed wood as fast as two men got it to the saw. I have tried it on my feed
 mill and it is very satisfactory power.

When ordering, state whether you
 want it for an Auto or Truck or
 both, and we will give you pulleys
 best suited to your work. It will
 also help us if we know what ma-
 chines you wish to run with it.

Price, with high grade babbit
 bearing, shipping weight, 200 lbs.,

\$14.50

Price on Jack with a high grade
 of roller bearings enclosed in dust
 proof casings finished in highest
 grade of workmanship, shipping
 suitable for heavy Touring Cars,
 shipping weight, 255 lbs.,...**\$35.00**



Reedsville, Pa., Aug. 18, 1914.



Fig. 175

We will always select a wheel best adapted for your work. weighs 5½ lbs.

Thickness of wheels (in inches)	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	
Diameter (in inches)	10	.94	1.05	1.15	1.55	2.00	2.40
Diameter (in inches)	12	1.12	1.20	1.25	1.87	2.30	2.80

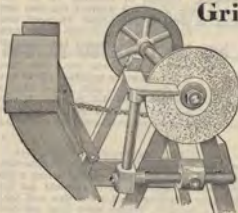
HUNTINGDON EMERY WHEEL DRESSER.

For truing, shaping and removing glaze from emery wheels while running at full speed.

Weight 1½ pounds

Price with two sets of cutters 50c.

Extra cutters, per dozen sets 75c.



Grinding Attachment for Hertzler & Zook Wood Saws

THIS ATTACHMENT CAN BE USED ON ALL OF THE HERTZLER & ZOOK WOOD SAWS EXCEPT NOS. 3 AND 8

It will accommodate 12-in diameter stones by 1¼ inch thick or any size thinner

By adding this attachment to your saw you have the benefit of a grinding machine that would otherwise cost you no less than \$10.00, saving nothing of the room for storage and the inconvenience of setting it up when grinding is to be done. This attachment will pay for itself

in less than one year's time in keeping the plow and implements' shares sharpened, not counting the loss of time nor the tools and other grinding and filing you will save.

To attach to saw frame the first time only requires the boring of two holes for the two bolts furnished with each attachment. When ordered with a saw frame we will attach free of charge; after once attached it only requires a moment to re-attach.

CAST IRON POST MAULS

Has 3-foot handle, standard size and weight.

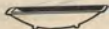
Shipping weight, lbs....	10	12	16	18	20
Price, each	25c	30c	35c	40c	45c



FELLOE OILERS

Solid Cast Iron Oil Troughs. Every person wanting to prevent his tires from coming loose should have one.

Shipping weight, 13 lbs. Each.....45c



HAND ENGINE TRUCKS

On account of making a cushion to take up the jar of engine we recommend wood beam instead of steel.

These trucks are made strong and for service. Front wheels 16" high; rear, 12"; top of wood beams 14", 28" tread.

Regular lengths of sills, 5½ feet; any length shorter, same price.

Price as shown \$8.00



We have some customers who wish to build their own truck to suit their own special requirements

In order to fill this requirement we will furnish all irons, castings and bolts for this hand engine truck for

\$6.00

OUR TROUGH DEPARTMENT



Our troughs are all made in our own factory and our prices are based on actual cost of material and labor and just one small profit. We cut the pudding right in two, and give our farmer friends a big half.

FLAT TOP, ROUND-CORNERED, HEAVY GALVANIZED STEEL STOCK TROUGHS

With Cast Iron Heads and Flat Bottoms

No. 31—19" top, 13" bottom, 12" deep	No. 32—25" top, 18" bottom, 16" deep
4 feet long \$5.00	5 feet long \$10.00
5 " " 5.50	6 " " 11.00
6 " " 6.00	8 " " 14.00
8 " " 7.75	10 " " 16.00
10 " " 9.50	12 " " 18.00
12 " " 11.00	

CAST IRON HOG TROUGHS

Prices are within reach of all



No 33

Any man who raises pigs or shoats cannot afford to do without them.

At this age greater attention is being paid to the raising of hogs than ever before, and our hog troughs im-

proved these conditions, and are of the highest standard, made of cast iron well braced with wrought iron cross bars and guaranteed by us not to burst from freezing.

Send us your order today. If your own good judgment doesn't tell you they are the best you have ever used or seen, advise us and we will give shipping directions for you to return them. Here it is all up to your own judgment. These troughs are furnished in the following lengths:

Three ft., 4 ft., 5 ft., 6 ft., 7 ft. and 8 ft. Size of trough, 12" top, 2" bottom, 6" deep. No. 33—price 35 cents per foot for any of the above lengths.

Weight of these troughs run 16 lbs. and 17 lbs. per foot. The above named price is only the actual price of castings.

CAST IRON POULTRY TROUGHS

Made in our own foundry and sold direct to you. The price we ask is cost of material and only one small profit, no middleman's profit. These troughs have all the advantages a poultry trough can have. They will not upset nor spill the contents, neither will they break by freezing. To remove any ice, invert and pour warm water on and your trough is empty and clean.



No. 34—Size, 9" long, 5½" wide, 1½" deep.			
Each	\$0.15	Per dozen	\$1.65
No. 35—Size, 16" long, 5½" wide, 1½" deep.			
Each	\$0.45	Per dozen	\$4.56
No. 36—Size, 29" long 7" wide, 1" deep.			
Each	\$0.50	Per dozen	\$5.40

THE HERTZLER & ZOOK GRIT CRUSHER



A heavy cast iron mortar with extra heavy, removable perforated bottom, made to give long service. Granite, limestone or boulders readily reduced to proper grit size.

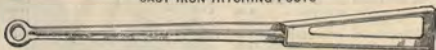
Poultrymen have long felt the need of a strong, reliable grit crusher. Here it is, a half-hour's work will crush enough grit to supply a large flock several weeks. You can gather the material for nothing. Ready prepared grit is expensive owing to heavy freight charges. With a Hertzler & Zook Grit Crusher you can give poultry grit every day. It means better health, more eggs, thriftier fowls.

The mortar is 10 inches in diameter, 10 inches high, weight 50 pounds.

Order one for your poultry yard today. If you are not pleased, you can return it, and we will return your money, and besides, pay freight both ways. You are taking no chances. Neither are we, for if you try it we know you will like it.

No. 39—Price..... \$2.00

CAST IRON HITCHING POSTS



Strong, Durable, Handsome, Cheap.

Never Rots or Pulls up.

The Best is Not too Good for the American People.

Is made neat and very strong.

No. 23—Price..... \$2.50

HITCHING-WEIGHTS

Solid iron, nicely finished and painted hitching-weights.

No. 24, weighs 18 pounds..... \$0.54

No. 25, weighs 40 pounds..... \$1.20



SASH WEIGHTS

Cast iron sash weights, eastern patterns, all sizes 1½ cents per pound.

Lead sash weights, all sizes to specifications.

Price on Application

We have the Best largest assortment of Cast Iron Furnace Plates or Cookers on the market



Our cast iron furnace plates are superior to many plates on the market. They are made in sections so as to take care of all expansions and contractions. Our plates are 15 inches from the door to first kettle, enabling you to get the best results from the fuel. We furnish the castings only, consisting of top plates with 22 and 24 inch holes, one bushing to fit any smaller size kettle, one cover to cover either hole, cast iron door frame and anchor bolts, etc.

No. 40—Same as above for one kettle only, complete with all castings, etc.....	\$ 7.50
No. 41—Plate only for one kettle	5.00
No. 42—Plate only for two kettles	7.50
No. 43—All castings, etc., to make furnace same as above cut.....	12.00

No. 45—Same as shown for one kettle only, complete with all castings	\$ 7.50
No. 46—Plate only for one kettle	5.00
No. 47—Plate only for two kettles	7.50
No. 48—All castings, etc., to make furnace same as shown.....	12.00



No. 49—All castings and iron work to make furnace same as shown	\$15.00
---	---------

No. 50—Same as above, with stove pipe collar for pipe instead of flue.....	\$15.25
When coal is to be used for fuel, we furnish grates which are placed in proper place by the mason	
No. 51—Straight bar grates, 3" wide, 33" long, three bars in one	35 cents each
No. 52—Straight bar grates, 3" wide, 25" long, three bars in one	25 cents each

The Herizler and Zook Ditching and Subsoiling Plow, \$11.45

Fig. 153



Shows the plow in the ditch at work. From this cut you will notice the bed attachment is only used for finishing.

	Cash With Order	Bank Deposit
Price of plow as shown, Fig. 153,	\$11.45	\$13.45
Subsoil Attachment,	\$1.25	
Extra Cast Iron Points, Each,	.50	
Tile Bed Shovel, Each,	.40	
Extra Steel Points, Each,	2.50	

A Well Designed Implement, made for the purpose of excavating drain for tile, stone, sewer pipe, etc., and it has well been said that this plow is of more value to a farmer who has ditching to do than any other implement he has on his farm, for by its use he is able to do his ditching at a very small cost, and it need not be contingent upon being able to secure hired help.

The Ditching Plow is extensively used throughout the United States and Canada and other foreign countries—and acknowledged by all to be the most practical implement of its kind made.

This plow is designed to do the digging, or loosening up the earth in the ditch, after which it is shoveled out, and we guarantee it to work successfully in the hardest ground, to the depth of at least 3 feet. The width the ditch is dug can be regulated at will from 8 inches up. The quantity of drain that can be excavated in a day depends very much upon the kind of ground in which you are ditching, but we have frequently known two men, with two horses, to throw out 40 rods per day in ground where it could not have been thrown out with a spade.

OUR IMPROVED TILE-BED SHOVEL

For finishing up the bottom of the ditch ready for laying the tile, is a very important adjunct to our plow. All who have ever drained with tile know that the most important thing about making drain is finishing it up, grading and leveling it, having all uneven places removed, so that the fall is exactly uniform.

Our important attachment is of great assistance in doing this, as it cuts a true groove in the bottom of the ditch, and all that is necessary is to clean the loose ground out with a tile shovel. To use the shovel, bolt it to the standard, to the two holes back of the share, with the cutting edge below the landside; set the slider down to the last hole. It is not necessary to remove the share.

Pass along the ditch once, and sometimes when the ground is very hard it is well to go twice, passing each time in the same direction.

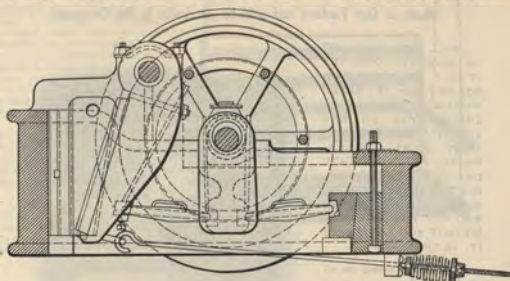
We would call the attention of the manufacturers of drain tile to this plow as an important adjunct to the success of their business in having more drainage done and more tile used.



Fig. 154.

**Fig. 154 Shows
the Plow With
the Subsoiling
Attachment**

Juniata Stone Crusher



STONE CRUSHING IS PROFITABLE
when a high-grade Crusher with a jaw opening
of 6x10 can be obtained for as low as \$250.00

SIMPLE IN CONSTRUCTION, which makes every part easily gotten at.
LIGHT DRAFT—Enabling the farmer to run it with his general purpose engine.

LARGE IN CAPACITY, which means profit.

STRONGLY BUILT, which means no expense for maintenance.

The real facts and advantages of the JUNIATA are

SIMPLICITY;

DURABILITY;

LESS POWER—MORE STONE;

LOW PRICE;

WILL DO ANY WORK ANY OTHER CRUSHER WILL DO

This small size crusher has been placed on the market to meet the great demand for road making, screenings for building purposes, as well as general agricultural purposes. It is the Blake Type Crusher which has been proven to be the best type of Jaw Crusher in use. Any departure from this type of Crusher has been made with a view to cheapen the Crusher without any regard to its efficiency.

	Weight.	Price.
Crusher on skids.....	3960	\$250.00
Mounted on truck.....	1200	56.00 extra
With rolls under jaws.....	700	56.00 extra
With elevator	800	56.00 extra
Extra jaws	100	5.00

Ask for Catalog of Large Township Crushers.

The Hertzler & Zook Porch Swings

Made in Our Factory and sold by us direct to the Consumer

WILL YOU NOT LET US SEND YOU ONE, TRY IT OUT ON YOUR OWN PORCH AND IF AFTER TRYING IT 30 DAYS OR LONGER, YOU DO NOT LIKE IT, YOU MAY RETURN IT AT OUR EXPENSE, WE TAKING ALL CHANCES AND YOU BEING THE JUDGE, WE WILL RETURN YOUR MONEY AND PAY FREIGHT BOTH WAYS IF YOU DON'T LIKE IT. IS THIS FAIR?

This is the swing we all admire, reaches every point of comfort and satisfaction. Spend your time on the porch in the open air and enjoy good health.



SOLD ON OUR REGULAR GUARANTY



AS THEY APPEAR IN THE HOME

No. 34—30-in. seat; 40 in. over all,	\$5.90
No. 35—36-inch Seat, 46 inches over all	6.50
No. 36—40-inch Seat, 50 inches over all	6.80

To hang this swing, place the four screw hooks firmly in ceiling joist with points to correspond with holes in arm rails of swing as near as possible. Two rear chains should be one link shorter than the front. Foot-rest step must come just close enough to the floor so it does not touch when swinging.

This swing is made of iron and steel for the frame and of the best selected maple, oak or beech slats highly finished in weathered oak. Can be reclined in an instant to any position at will and will stay in any position until changed by the occupant. It is made in two lengths with an 8-inch reading table on each side. Seat 24 inches deep, back 32 inches high, foot-rest 17 inch drop with 11-inch foot-board. Thirty-foot galvanized chain, hooks to screw into ceiling joist, everything ready to screw in the hooks and hang up the swing. Shipping weight, 145 lbs.

PORCH SWINGS

This swing has no foot-rest and is a reclining swing well shaped to fit the occupant as the back is not rigid. Is made of selected maple and oak highly finished in weathered oak, very neat, and accommodates two and takes up very little space. Suitable for a narrow porch and when not in use can be folded and hung up and requires very little space.

DIMENSIONS

Seat 19 inches deep, back 21 inches, 34 inches long. Galvanized chain, screw hooks and everything ready to hang. Shipping weight, 22 lbs.

No. 37—Price..... \$3.90

To hang, place two screw hooks in ceiling just about 34 inches or more apart as only two hooks are required for this swing.



PORCH SWINGS.



This swing has a rigid back, is well made of oak and maple and well finished in weathered oak. Is strong and durable. It is hung on two screw hooks same as No. 37.

DIMENSIONS

Seat 17½ inches deep, back 18 inches, length of seat 38 inches. Galvanized chain, screw hooks, all complete ready to hang. Shipping weight, 22 pounds.

No. 38—Price..... \$2.50

**Remember when you buy the Hertz-
ler & Zook line, you
are the judge.**

THE "DUPLEX-VACUUM" WASHING MACHINE



Fig. 151

This machine is built on entirely new and modern lines. As the name indicates it is truly a vacuum washer. It takes the dirt out of clothes by driving air, water and suds through the fabric in the downward stroke and, in the reverse action, by a sharp and snappy suction. Its principle is exactly that of the vacuum cleaner, and it is as far in advance of the old styles of rub and agitation washers as the modern vacuum suction cleaner is ahead of the broom for cleaning carpets.

It excels in the following important points:

1. **EFFICIENCY.**—This washing machine is put on the market after years of experimentation and study in the principle of cleaning fabrics. Upon the conviction that rubbing is not washing numerous tests proved that the most effective and only scientific method to cleanse clothes of dirt is to drive currents of water and suds through the fabric. This is accomplished in the "Duplex-Vacuum" by forcing a volume of water, backed by compressed air, through the clothes in the downward thrust and by a quick suction in the return stroke. The effect produced is a revelation to those who have clung to the old methods.

2. **SIMPLICITY.**—This machine is constructed on the simplest lines. There are no complicated parts to create friction and noise and to get out of order. As may be seen by reference to Fig. 152, the vacuum cups are caused to move alternately in parallel lines toward the bottom of the machine and they produce the entire washing operation.

3. **EASE OF OPERATION.**—The machine is operated by a single upright lever with a short stroke, enabling the operator to stand erect and in the natural position, thus preventing the fatigue of a long stroke and body movement. The power required is trifling, a child being able to work it successfully. In fact it is one of the easiest running machines on the market.

4. **DURABILITY.**—The "Duplex-Vacuum" is made of the best material and reveals the finest grade of workmanship. It has no hidden parts to rot or rust. It is beautiful in outline and design and is well finished in an attractive and durable manner. The illustrations herewith afford it scant justice.

5. **SPECIAL FEATURES.**—The machine is water and steam tight and can be used in the house without injury to furnishings. It is light and can be carried by one person without effort. It is strictly sanitary. It will not leak if exposed to sun and air. Its action is almost noiseless, only the rhythmic breathing of its suction action being



Fig. 152

heard. Contrary to the old style of rub and agitation washers, it will not tear the clothing; but it will handle the most delicate fabrics without the least injury to them. A small lid on the top of cover containing mechanism can be removed at will and the entire washing action observed. It is not, therefore, a "blind" machine at whose action the operator is obliged to guess. The main lid opens clean and clear and the entire machine is easily accessible. A permanent wringer guard enables the wringer to remain in position at all times.

It is sold under our regular guarantee and is shipped direct from our manufacturer in Central Pennsylvania.

Price without wringer \$ 8.50

Price with Ball Bearing wringer, 3-year rolls 12.50

THE BEST AND PUREST PAINTS FOR THE LEAST MONEY



HERTZLER & ZOOK PAINTS

Manufactured and sold direct to you at prices and quality that it is impossible to secure elsewhere. Why? Because you get the middleman's profits.

OUR GUARANTEE

We guarantee our House Paints to be composed of the best materials and to cover from 200 to 250 square feet, two coats to each gallon, and will not peel, blister or rub off. We agree to furnish new paint free of charge, if not as represented, provided the paint is applied under proper conditions.

(Send today for color cards and our new book on practical painting.)

H. & Z. GUARANTEED PURE HOUSE PAINT

A high class paint, made out of the best materials the world produces, materials that scientific research, years of experiments and test of time have proven to be the proper ingredients for paint.

Complete list of colors and prices.

No. 19 Straw	No. 69 Lt. Drab	No. 76 Blue
No. 10 Cream	No. 25 Pea Green	No. 61 Lt. Brown
No. 13 Lt. Buff	No. 23 Lt. Green	No. 65 Brown
No. 68 Lt. Lilac	No. 26 Green	No. 44 Vermillion
No. 37 Pearl	No. 74 Sky Blue	No. 12 Yellow
No. 39 Lt. Lead	No. 79 Lt. Blue	No. 45 Red
No. 58 O. S. White	No. 56 I. S. White	No. 94 Black
No. 24 Apple Green	No. 31 Grey Stone	

Prices (all colors)

1 gallon cans, per gal.	\$1.46	30 gallon half-barrels, per gal.	\$1.30
5 gallon kits, per gal.	1.35	50 gallon barrels, per gal.	1.25

STAR READY MIXED HOUSE PAINTS

A second grade Paint that gives perfect satisfaction, a Paint that compares with some of the first grade paints on the market.

NOTE:—Made up in the same shades as the H. & Z. PURE PAINTS.

Prices (All Colors).

1 gallon cans, per gal.	\$1.05	30 gallon half-barrels, per gal.	1.05
5 gallon kits, per gal.	1.00	50 gallon barrels, per gal.	.90

H. & Z. PURE BARN AND ROOF PAINT

A protective, weatherproof, serviceable and economical Paint, made of the best grade Metallic Pigments and Oxides, ground and mixed by powerful machinery. For service, protection, economy and beauty of finish it is the logical Paint to use on your barns, outbuildings, fences and roofs. One gallon covers approximately 300 sq. feet, two coats. For first coat, use from 1 quart to a half-gallon of pure Linseed Oil to each gallon of Paint.

List of colors and prices.

Red	Green	Yellow	Slate	Maroon
1 gallon cans, per gal.....	\$.75	30 gallon half-barrels, per gal.....	\$.65	
5 gallon kits, per gal.....	70	50 gallon barrels, per gal.....	.60	

STAR BARN AND ROOF PAINT

A second grade Paint guaranteed to give perfect satisfaction.

List of colors and prices.

Red	Slate	Yellow	Brown
1 gallon cans, per gal.....	\$.55	30 gallon half-barrels, per gal.....	\$.47
5 gallon kits, per gal.....	.50	50 gallon barrels, per gal.....	.45

H. & Z. WAGON AND IMPLEMENT PAINT

This paint is made to withstand hard usage, and retains its glossy appearance for years. One quart can will cover an ordinary size wagon. Apply without thinning and clean the surface to be painted thoroughly before applying.

List of colors and prices.

Red	Yellow	Green	Blue	Black	Vermillion
1 gallon cans.....	\$1.15	Half-gallon cans.....	\$.65	Quart cans	\$.35

HERTZLER & ZOOK VARNISHES

Special Interior Varnish:—An excellent varnish for use on all interior wood-work, dries in 10 to 12 hours, with a high gloss and lasting finish.

5 gallon cans	\$5.35	½ gallon cans	\$.68
1 gallon cans	1.15	Quart cans	.38
		Pint cans	.20

Wagon and Implement Varnish:—An excellent varnish for outside work, dries in 10 to 12 hours with a fine luster. Wears well.

5 gallon cans	\$7.75	½ gallon cans	\$.85
1 gallon cans	1.60	Quart cans	.45
		Pint cans	.25

HERTZLER & ZOOK WHITE LEADS

Put up in steel kegs.

Price list and sizes.

	100 lb. Kegs.	50 lb. Kegs.	25 lb. Kegs.	12½ lb. Kegs.
Hertzler & Zook Pure White Lead, per lb.....	7¼c	7¼c	7¼c	8c
Star White Lead Combination	4¼c	5c	5¼c	6c

Prices on oils, turpentine, etc., furnished on application.

Color cards and prices furnished of any kind of paints and varnish on application.

PAINT BRUSHES

We only carry the best Paint and Varnish Brushes

Oval Varnish or Paint Brush

Size	1-0	3-0	5-0	6-0
Width, inches	1½	1¾	2¼	2½
Length, inches	2½	3	3¼	3½
Price, each	26c	40c	53c	65c

Painters' Bristle Wall Brushes

Size	6	8	9	10
Width, inches	3	4	4½	5
Length, inches	3¾	4¾	4¾	4¾
Price, each	56c	\$1.13	\$1.46	\$1.71

Why not Save the Middle Man's Profit and Order from Us



\$10,000.00 GUARANTY BOND THE HERTZLER & ZOOK CO."

Manufacturers and Wholesalers of
The Great Hertzler & Zook Line from Factory to Customer

This is to certify that we guarantee every article to be exactly as represented, or we will return your purchase money and pay freight both ways. As a protection to persons who may desire to purchase anything in our line, we have given the Belleville National Bank of Belleville, Pa., a legally executed bond in the sum of \$10,000.00 shown in the letter reproduced herewith. This is to protect our customers and to give them every assurance in our power that we will give you a square deal.

HERTZLER & ZOOK CO.

B. Hertzler Treasurer.

The Belleville National Bank.

TO WHOM IT MAY CONCERN: Belleville, Pa., September 6, 1914.

THIS IS TO CERTIFY THAT THE HERTZLER & ZOOK COMPANY, a corporation organized under the laws of Pennsylvania, located in the BELLEVILLE and PAID UP CAPITAL & SURPLUS, has deposited in this bank as GUARANTEE BOND in the sum of TEN THOUSAND (\$10,000.00) DOLLARS the sum of FORTY THOUSAND DOLLARS AND SEVENTY FIVE CENTS (\$40,750.00) TO SECURE THE PAYMENT OF SUCH FIVE PER CENT ADVANCEMENT.

THE OFFICERS OF THIS CORPORATION ARE RELIABLE AND RESPONSIBLE. CUSTOMERS ARE KEPT AMPLY SECURE, AND WILL BE REPAYED AT ANY TIME.

*Respectfully,
Cashier*

We want you to have confidence in our way of doing business.

This bond is your absolute protection. It guarantees you against loss in doing business with us.

It makes your money sent to us as safe as if it were placed in any bank. You take no risk in buying of us on our fair and square plan.

Our customers who have done business with us, and that means thousands who have sent us their money with order, feel just as safe as if they were doing business with their home bank.

But we want to tell you we do not put up this bond merely to inspire confidence on the part of our customers.

It is a form of protection from unscrupulous manufacturers who make claims and promises and do not keep them. It distinguishes us from this class of manufacturers who do not have faith enough in their goods or in their customers to be willing to stand back of the one and protect the other.

\$10,000.00 Bond

This \$10,000 bond is deposited with the Belleville National Bank, of Belleville, Pa. It means just this—if at any time it was proven that we did not do just as we had agreed to do, we could be made to do as we agreed to do or forfeit this \$10,000 bond. You can write to the Belleville National Bank and find out about this. Our goods have got to be right, and if people try our goods out and don't find them to be as represented, we simply would be compelled to send back the money deposited with us or forfeit this bond.

Hertzler & Zook Grain, Seed and Fertilizer Drills

Manufactured and Sold by

The Hertzler & Zook Company

Sold from factory direct to the farmer and guaranteed to be satisfactory or all money refunded, giving the farmer the privilege of trying it out on his own farm before the deal is considered closed.

Hoe drill is better in stony ground. It shoves the stones around, it sows properly, while the discs will raise up over the stones and cause imperfect seeding as well as covering. Cannot distribute unevenly as others do, see figures 150 and 93, where it is shown. Cannot skip or miss as others do, when stopping or starting anywhere in the field, figure 150 will explain why. Fertilizer won't clog even though it is moist. No tin spouts to rust out. Will sow either way turn is made at end of field if desired. Any parts easily detachable.

SIMPLICITY OF CONSTRUCTION OF THE HERTZLER & ZOOK

(A) Note only three gears are required to run the seeding or fertilizer sowing device, others use four to eight. See figures 94 and 105.

(B) Grain Feed on other drills require three to five parts; the "Hertzler & Zook" consists of two highest grade rubber rolls.

(C) Volume of seed or fertilizer is regulated by a lever.

(D) Our fertilizer sowing device has three parts; others have more.

(E) Both wheels drive main shaft; all feeding devices are driven direct from main shaft.

(F) The only drill having the famous "Greencastle" rubber roll feed.



Fig. 1

8 Hoe, 8-inch Spring Hoe Drill, complete with Grain, Seed, Fertilizer, Beans, Peas and Corn attachments, as shown above.

Price, cash with order, \$56.00. Bank Deposit, \$58.00. Shipping Weight, 935 lbs.

10 Hoe 8 Inch Grain, Seed, Fertilizer, Bean, Pea and Corn Drill



Fig. 137

10 Hoe, 8-inch Spring Hoe Drill complete with Grain, Seed, Fertilizer, Bean, Peas and Corn attachments, with tongue, doubletree, etc., for either two or three horses; unless otherwise ordered, it will be shipped with tongue, doubletree, etc., for two horses.

Price, Cash with Order, \$66.50. Bank Deposit, \$68.50. Shipping Wt. 1200 lbs.

9 Hoe 7 Inch Grain, Seed, Fertilizer, Bean, Pea and Corn Drill

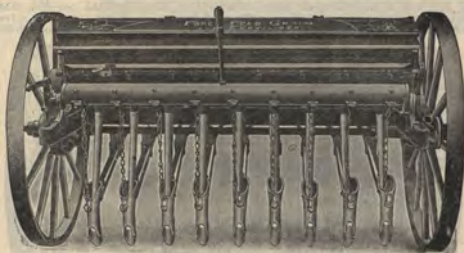


Fig. 102

9 Hoe, 7-inch Spring Hoe Drill complete with Grain, Seed, Fertilizer, Bean, Peas and Corn attachments, as shown above.

Price, Cash with Order, \$59.50. Bank Deposit, \$61.50. Shipping Wt. 975 lbs.

11 Hoe 7 Inch Grain, Seed, Fertilizer, Bean, Pea and Corn Drill



Fig. 96

11 Hoe, 7-inch Spring Hoe Drill complete with Grain, Seed, Fertilizer, Bean, Peas and Corn attachments with tongue, doubletree, etc., for either two or three horses; unless otherwise ordered it will be shipped with tongue for two horses.

Price, Cash with Order, \$70.00. Bank Deposit, \$72.00. Shipping Wt. 1240 lbs.

The Hertzler & Zook Under Slung Grain, Seed, Fertilizer, Bean, Pea and Corn Drill

This drill is built the same as our Standard low down, with the exception that the frame is under the main driving shaft, whereas the others are built with drive shaft above the frame. It has the many good features of the Hertzler & Zook drill.

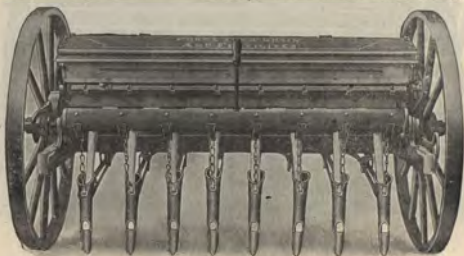


Fig. 151.

The accompanying cut, figure 151, will show the drop or the difference in height of the two drills¹⁵

Price of the Hertzler & Zook Under Slung Spring Hoe Drill, complete, with Grain, Seed, Fertilizer, Bean, Pea and Corn Attachments as shown above:

Price	Cash With Order	Bank Deposit	Shipping Weight
8 Hoe 8"	\$56.00	\$58.00	875 lbs.
9 Hoe 7"	\$59.50	\$61.50	915 lbs.
10 Hoe 8"	\$66.50	\$68.50	1140 lbs.
11 Hoe 7"	\$70.00	\$72.00	1180 lbs.

The 10 and 11 hoe drills will be furnished with tongue, double tree, etc., for either two or three horses; unless otherwise ordered, it will be shipped with tongue, double tree, etc., for two horses.

The Hertzler & Zook Plain Grain and Seed Drill

PRICE
\$39.75
UP



Fig. 157.

This drill is built expressly for sowing grain and seeds, alfalfa included, and does not sow Beans, Peas, Corn or fertilizer. In construction, it is the same as the High Grade Hertzler & Zook Drill with the fertilizer sowing device removed. Is fully covered with the regular guarantee. Remember, it is not to be compared with the low price old style pin braker hoe drill, but has the Spring Hoes, Double Tree and Neck Yoke. Is complete for sowing grain.

Price Less Grass Seed Box.

	Cash with Order.	Bank Deposit.	Shipping Wt.
8 Hoe 8",	\$39.75	\$41.75	650
10 Hoe 8",	45.60	47.60	710

Extra for grass seeder which can be used front or rear of drill, \$3.00.

Remember, we make in our own factory, and sell direct to the user, every year, more goods in our line, than any other concern in the world, selling in the same way. WHY? Because our plan of selling enables us to save money for our customers, and our policy of Satisfaction Guaranteed or Money Refunded relieves them of all risk.

Facts You Should Know

The Hertzler & Zook Grain, Seed and Fertilizer Drill now being manufactured by us in our own factory and sold by us direct to the farmer, giving the purchaser the right to try it out on his own ground and if not found entirely satisfactory after trying, it may be returned and we will refund all the money and all freight charges you have paid, and back of it all our regular guarantee and Guarantee Bond as shown in our catalog.

Have you a proposition you can make us as to how we could offer you a fairer deal?

Now as to price, we cut the pudding right in two, giving our farmer friends the half which belongs to them, charging the actual cost of material and workmanship plus one small profit, which is based on a large amount of machines.

Why not send us your order now and get the best drill made and save from \$10.00 to \$20.00 and buy it entirely at our risk?

The dealer will say: "Don't send your money away out of town. Keep it at home. Spend it with us."

Now this would be all right if there was anything to it; but there is absolutely nothing to this argument. It has no bottom.

If you can save from \$10 to \$20 on the drill and buy out of this catalog and you put that saving in your own pocket, isn't that keeping your money just about as near home as you can get it?

Read all about this drill. We will tell you what it consists of.

The Hertzler & Zook is the simplest, lightest running and most durable drill on the market; in all respects a strictly modern and superior spring hoe drill. It is substantially built, being designed for hard usage and to give the farmer the best possible service. It has three positive force feeds—grain, seed and fertilizer—a grain feed that will not choke, a grass seed feed that can be instantly regulated to any quantity desired and a fertilizer feed that will sow any kind of fertilizer and prevent bridging. The grass seeder can be arranged to sow either in front or behind the boots, as desired. The drill is of the low down type, the wheels being standard height, the hopper only being dropped, making it convenient and easy to fill. The fertilizer drops directly into the boot through rubber tubes and will not lodge. Drill is provided with levers for changing quantity of grain and fertilizer, so that there are no gear wheels to change. Amount of fertilizer can be changed while the machine is in motion. Grain, seed and fertilizer hoppers are filled from behind, making it unnecessary for operator to go in front of drill. Hoes can be raised with one hand by lever conveniently located in the center of the drill. Even when in the ground the hoes raise sufficiently to pass obstructions when drilling rocky or stumpy ground. Hoes can be thrown "zigzag" while drill is in operation. We furnish the drill with spring hoes only.



Fig. 39.

On this and the following pages we describe and illustrate the general construction of the Hertzler & Zook Grain Drills. We have endeavored to give you full detail

of price and show the back view of the different drills we manufacture on the foregoing pages and will now give you the construction and point out to you a few of the many good features of the Hertzler & Zook Drill.

By referring to the above cut we call your attention to the frame of this drill, which is built of the best oak timber available, well braced and bolted. It is absolutely impossible for any ordinary blacksmith or even a mechanic to straighten a steel frame, while a wood frame can be straightened up or repaired by any ordinary farmer and the drill will again be as good as new. Without a good frame it is impossible to get the best results from seeding.

For the 10 hoe 8-inch and the 11 hoe 7-inch drills, tongue, doubletree and yoke are sent for either two or three horses, but must be specified in ordering if tongue and doubletree is wanted for three horses, as if not specified, it will be equipped for two horses and shipped out.

On the right hand side of the drill, a hand is pointing to a lever which is the grain seed regulating lever, which opens the grain slide to the desired amount of wheat or oats that is wished to be sown. The wheat is regulated by the peck and is marked on the lever gauge which is shown at figure 103.

The oats regulations are on the lower side of the dial, marked oats, pecks, and will sow from 1 to 12 pecks of oats and from 1 to 10 pecks of wheat. After this is set it is very seldom necessary to fasten it, but in case the operator wishes to lock this up, it is provided with a lock nut or thumb screw which can be readily adjusted without a wrench and will stay until removed.



Fig. 103

On the left hand side of the drill, the hand pointing to the fertilizer feed lever and just one hoe distance to the right, you will see the dial shown on the drill, with a pointer showing the amount it is opened and the amount of fertilizer that will be sown per acre, any quantity from nothing up to five hundred pounds per acre and will sow the same volume in lime or anything you wish to sow with the fertilizer sowing device that is sowable on a fertilizer drill. This lever is arranged with a ratchet so that it is impossible to get loose from any jolts, as it will stay positively where it is placed by the operator.

Again by referring to Figure 39, you will notice on the extreme left hand of the drill you will see the surveyor.

If you will refer to Figure 38 you will notice a pencil pointing to the center of the dial, where you will see a burr and when you start to drill a field, loosen this burr and you can adjust the pointer to whatever place you wish or directly where it now is and it will register exactly every acre or the fractional part of an acre up to one-eighth that is sown. In fact it can be gotten as close as a sixteenth of an acre. In making the turn at the end of a field, the hoister puts the working part out of gear, and, in consequence, the surveyor does not move in the least and can, therefore, be re-



Fig. 98

Hed upon to measure correctly. By being able to set this surveyor, when you start a new field, is one of the great features of the drill, as you can measure up your field to the very sixteenth of an acre.

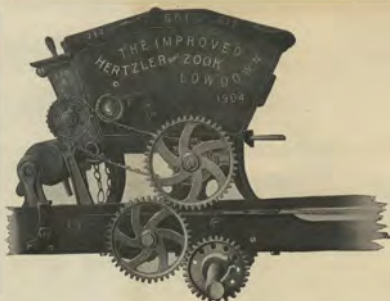


Fig. 105

Fig. 105 shows the gear arrangement which drives the grain seeding side of the drill as well as the grass seeder which we control. This is the simplest of any in use. It consists of an eccentric pin, cast and turned in two parts, upon which the middle gear wheel is fastened. When the shovels are lowered, the eccentric causes the middle gear wheel to mesh into the upper and lower gear wheel, and when the holst lever is raised, the wheel is withdrawn, and the whole feed is thrown out of gear. By referring to Fig. 105, this can readily be seen, and we also wish you to note the simplicity of this arrangement; also how it is driven directly from the main axle which is driven from both wheels, so as to sow around any corner or turning either way.

The grass seeder is also driven with a sprocket chain running from the same shaft that sows the grain and the instant the hoes are lifted, all is thrown out of service.

We also call your attention to the dove-tail which is fastened on the front part of the drill head which is to receive the grass seeder in front of the hoes and which can be readily changed in a few moments' time and is then driven from the same shaft at the opposite end which will be explained and shown in Figure 94.



Fig. 106

The ground wheels are furnished with 3-inch tread. They are made with steel tire, one-fourth inch thick and we use none but the best materials in the spokes and felloes. These spokes are all hand-shaved and of the best material available. With this wide tread, the draft is considerably less in passing over loose or uneven ground; and it also makes a rolled mark, which cannot be mistaken in following after for the score of a harrow tooth.

Figure 106 also shows the simplicity of the hub or ratchet which drives the main shaft of the drill from which the different feeds are driven. The ratchets are made of a very high grade of steel and annealed in a furnace to a temper best suited for the purpose; one being a little longer than the other so as to catch the wheel at a very short gauge, and is all nicely encased, making it dust-proof.



Fig. 96

Figure 96 shows the drill after the shield and wheel has been put on, making it

neat and compact, as well as shielding it from all grit and dirt. By referring to Figure 96, you can also see the full working of the hoe shifter.

The hoe shifter is made of iron—no wooden bars to get out of fix, and is considered by farmers who have used it, superior to any other. The change can be made at the pleasure of the operator almost instantly, even while the machine is in operation. The drill should only be used "zig-zag" where a great deal of rubbish remains on the surface of the ground. With the hoe "zig-zag" the rear shovel is liable to throw more or less ground or clods in the furrow of the forward hoe. This applies to drills of every make.

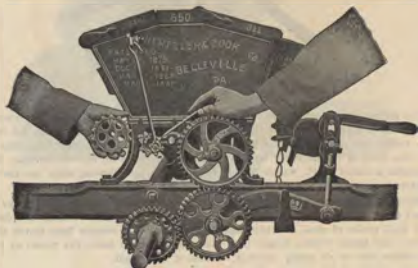


Fig. 94

Figure 94 shows the gear of the fertilizer feed as well as the part pointed to with pencil shows where gear wheel No. 338 is taken off and No. 336 put on when the grass seeder is used in front of the hoes, which is only wanted when sowing wheat at which time the agitator is not used. By this method the grass seeder can be used equally well in front of the drill and only requires a few moments to change it. An extra sprocket, however, is furnished free of charge with every drill. The fertilizer drill gear arrangement which is shown in Figure 94, is practically the same as that just described that drives the grain seeder with the exception of the attachment of the lever extending back which is to make it convenient to throw the fertilizer gear in or out of gear when the drill is in motion, and independent of wheat feed. For instance, you have a spot in your field which is very rich and you would consider it waste to sow fertilizer on this spot, as the operator is moving along, without stopping the drill, he can throw the lever up which will throw out of gear the fertilizer sower and when he comes to the place where he wishes to throw it in, by pulling lever down it will go into service and thereby make it possible for a great saving of fertilizer and enable the operator to sow fertilizer just where it is needed. Just notice the simplicity of the gear device of this drill—there is practically nothing to it to keep in repair, no gears to change for the different seedings.

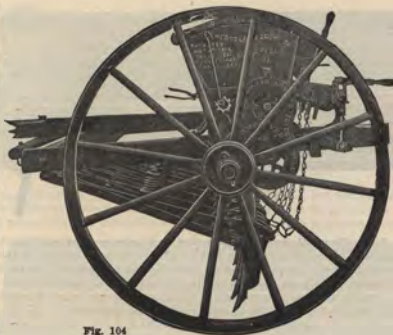


Fig. 104

This shows the drill again after the shield and wheel are in place, shows just how neatly the shield and everything is constructed, keeping the dirt and grit out of the machinery.

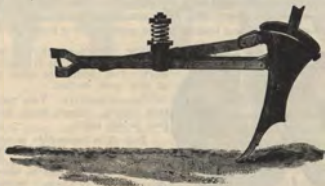


Fig. 4

The spring hoe is almost indispensable where the land is not clear of roots, rocks or obstructions. The spring is nearly three inches long, and fastened perpendicularly upon the bar by means of a bolt. This bolt has a center drag bar, which is fastened upon the top of the boot or hoe. The whole maintains an even, steady motion, when passing over the ground, and can be made to sow deeper or shallow by means of two holes in a lug on the boot, which is done by changing a bolt. In stony ground where a disc will not cut through a stone, this will shove the stone around and get the grain in, and in many instances preferred to the disc.



Fig. 91

Grain Feed.—Figure 91 shows the grain feed as it appears when you look into the hopper. You will notice the agitator, a part of which runs down directly to the opening where the rubber roll takes charge of the grain, making it impossible for the choking of any grain sown. The grain feed is a rubber roll feed made of the best rubber—sows all kinds of grain with absolute regularity, no cracking or bunching, and is so constructed that it cannot choke. The flow of grain is constant and regular—all straw, white caps or any foreign substances that should chance to be in the wheat is fed through without stoppage. In this way the "skipping" or bunching which is so frequent and objectionable in the fields of drilled wheat, is entirely avoided. The quantity to be sown can be instantly regulated by a lever, which is described at Figure 103, no change of gear wheels being necessary. In turning at the ends, or in passing from one field to another, no grain passes down the tubes, as the hoisting of the hoes throws the distributing apparatus out of gear. This feed has proven to be the most positive and regular feed ever devised, distributing seed with unvarying equality. The growing crops will show no "skips" or "over-sowing". The grain conveyors in this drill are so arranged that there cannot possibly be any lodging of the grain in going down the steepest hills.



Fig. 150

Fig. 150 shows the rubber roll grain feed enlarged and as it really is when at work. Just notice the many good features of this feed device.

1st—Simplicity. Two parts make this feed, while others have anywhere from four to six parts.

2nd—It is impossible to sow in bunches whether sowing on smooth or rough ground. The rubber roll holds the grain firmly so they cannot be jarred or shaken down ahead of time, while practically every other sowing device sows in bunches when going over rough ground.

3rd—A close examination of Fig. 150, you will notice how the grains are held firmly by the rubber rolls the instant the drill stops, again releasing the grains and dropping them the instant it starts, making it impossible for anything like skipping when stopping and starting anywhere in the field.

The grain hopper lid opens from behind so that the grain can be put in without going in front of the drill.



Fig. 100

Figure 100 shows the hopper inverted to show the rubber roll feed and also shows the great simplicity of the Hertzler & Zook Drill. In case there should ever be any occasion to remove the feed shaft, it can be done very readily and is easily gotten at.



Fig. 97

Figure 97 shows the sectional gear of the fertilizer feed which consists of a series of non-corrodible discs, one for each hoe, arranged to revolve horizontally in the bottom of the hopper. A bar provided with upwardly extending fingers, extends along the bottom of the hopper, which constantly agitates the mass of fertilizer and prevents bridging. On the upper surface of the non-corrodible discs referred to, there are revolving radial arms well shown in Figure 93, which serve to keep the upwardly extending fingers in motion, agitating the mass of fertilizer, breaking up lumps, and at the same time forcing the fertilizer down through the openings in the center of the discs into the conductors. These openings or grates are wider towards the discharge, facilitating the passage of the fertilizer and preventing anything like clogging.

Figure No. 92 shows how easily and readily the discs can be removed for cleaning, especially at the end of the season, so as to have the drill in good condition when next wanted. The fertilizer feed can be thrown in and out of gear when machine is in motion and independent of wheat feed. Quantity of fertilizer sown is regulated with lever, no change of gear being necessary. This feed will distribute fertilizer that others will not sow at all, and also does nice work distributing air-slaked or ground lime, and will

distribute air-slaked or ground lime to the same volume as it will sow fertilizer. As the weight of air-slaked and ground lime varies it is hard to give an accurate state-

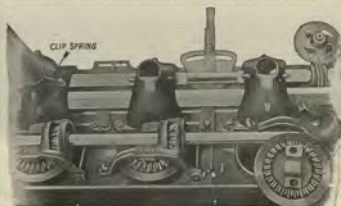


Fig. 92

ment as to what the drill will do, any more than that it will sow the same volume of lime as fertilizer.

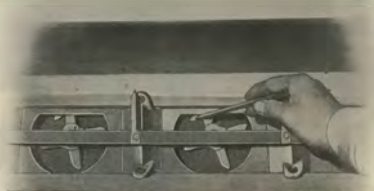


Fig. 93.

By referring to Figure 93 you will notice a little point extending at the point of the pencil. This point is more fully shown on Figure 100, where the arrow is pointing. As this disc revolves the little scraper, extending in on the disc plate, scrapes off the amount of fertilizer wanted and as the scraper is moved towards the hand, or the point towards the center of the disc, the more readily and larger quantity of fertilizer or lime it will scrape off, therefore, you can readily see that the fertilizer can be sown by volume and not by weight, making it one of the most durable and accurate fertilizer sowing devices on the market, inasmuch as it is one of the simplest as well as the best.

Peas, beans and corn are also sown in the fertilizer sowing device and is regulated in the same manner. They can be successfully sown just as the drill is, but when a large quantity is to be sown, the agitator should be taken out by removing the spring cotters as shown in Figure 97. At the end you will notice the bar on which the agitator is fastened to the revolving disc bar by a spring cotter. This can easily be removed, as the beans and corn do not need agitating. It will not be as liable to break the grain when this is out.

NET CASH REPAIR PRICE LIST

for the HERTZLER & ZOOK Grain, Seed, Fertilizer, Bean, Pea and Corn Drill. Plain Seed Drill. Always give No. and name of part wanted, with price and enough to cover postage. If more is sent it will be returned with the billing. Parcel Post will take many of these parts to your door promptly avoiding delays of going through the different hands.

Cast- ing No.	Name of Parts	Price	Cast- ing No.	Name of Parts	Price
1-A	Pivot or Bearing for Fertilizer Disc	10	131	Sprocket Wheel for Grass Seed Shaft, 14 Teeth 11" bore	1.10
2	Yoke for Grain Slide	10	132	Hook with Hinge or shroud Pin	1.10
3	Hinge for Grass Seed Hopper Lid (Left)	15	432-A	Arm with Pin for No. 63 Gear Wheel (O. S.)	1.10
34	Hinge for Grass Seed Hopper Lid (Right)	15	433	Pin for No. 24 Bracket for Chain Tightener	1.10
72	Stay for Fertilizer Hopper Lid	10	434	Sprocket Wheel on Grain Feed Shaft, 14 Teeth, 11" bore	1.10
116	Pin for Grain Feed Shaft 14 Teeth 11 inch bore	10	435	Cap on end of Wood Roller to lift Boots (Right)	1.10
124	Washer for Zigzag Bar	40	436	Latch with Pin for No. 43A Cap	1.10
126	Crank for Drag Bar Spring	40	437	Lift Bar latch with Pin for No. 60 Latch Wood Roller	1.10
145	Gear Wheel on No. 45 L. Arm	10	438	Excavator for No. 43 Cap and end of	1.10
158	Lever to move Pin for No. 258 Lever	10	439	Lever for No. 43 Latch, for Fertilizer Shaft Bar	1.10
160	Bracket with Pin for No. 258 Lever	10	440	Link between No. 43-A Arm and No. 43 Lever	1.10
252	Bracket on end of Tongue for Hook Bolt	10	441	Bracket on Wood Roller for Chain for Lifting Boot	1.10
253	Hinge for Fertilizer Hopper Lid (Left)	10	442	Star (with Pin) to Feed Fertilizer	1.10
254	Hinge for Fertilizer Hopper Lid (Right)	10	443	Star (without Pin) to Feed Fertilizer	1.10
255	Hinge for Grain Hopper Lid (Right)	10	444	Head for Grain Hopper with No. 46-A Cap for Box	1.10
256	Hinge for Grain Hopper Lid (Left)	10	445	Cap for Box on No. 60 Head (Left)	1.10
257	Bracket for Axle Slide (Right) (O. S.)	10	446	Head for Grain Hopper with No. 41-A Cap for Box (Right)	1.10
258	Triangle to move Axle Agitator	10	447	Cap for Box on No. 61 Head (Right)	1.10
259	Pin on Grain Roller	10	448	Frame for Fertilizer Disc (Malleable)	1.10
260	Gear Wheel on No. 60 Arm, 12 Teeth 1 inch bore	15	449	Angular Cut-off Gate for Fertilizer	1.10
261	Gear Wheel for Grain Feed Shaft, 43 Teeth 11" bore	15	450	Bracket on Wood Frame for Zigzag Lever	1.10
262	Worm for Grain Feed Shaft, 1/2 inch square hole	15	451	Bed Plate for Fertilizer Disc	1.10
263	Bracket on Wood Frame for Drag Bar	15	452	Bed Plate for Fertilizer Disc	1.10
264	Slide (Section) under Grain Hopper with Pin	15	453	Gauge Plate for Fertilizer	1.10
265	Bracket on Wood Frame for Drag Bar End	15	454	Pointer for Fertilizer Gauge	1.10
266	Slide (Section) under Grain Hopper without Pin	15	455	Top or coupling 2 pieces with spring for Gum Tube	1.10
267	Dial for Acme Register	15	456	Shield over No. 45 Bed Plate for Fertilizer	1.10
268	Gear Wheel for Acme Register (Outside)	15	457	Guide on Wood Frame for No. 45-L Arm	1.10
269	Gear Wheel for Acme Register (Inside)	15	458	Frame protection casing	1.10
270	Cap for Shaft for Acme Register	15	459	Box for Zigzag Shaft (Left)	1.10
271	Latch on foot for Drag Bar (Right)	15	460	Box for Zigzag Shaft (Right)	1.10
272	Latch on foot for Drag Bar (Left)	15	461	Hub (Hatched) for Truck Wheel (Right and Left)	1.10
273	Bracket on Drag Bar for Sorting	15	462	Cap for No. 60 Hub (Left)	1.10
274	Regulator in Hopper	15	463	Cap for No. 60 Hub (Right)	1.10
275	Head for Grass Seed Hopper (Left)	15	464	Arm for No. 60 and No. 61 Gear Wheels	1.10
276	Head for Grass Seed Hopper (Right)	15	465	Gear Wheel with Set Screw for Drive Axle, 23 Cogs,	1.10
277	Bracket with Pin for No. 41 Pulley for Chain Tightener	15	466	Arm (1 Piece) for No. 62 Gear Wheel	1.10
278	Gear Wheel for Fertilizer Feed Shaft to sow 100 lbs.	15	467	Shield over Gearing (Left)	1.10
279	Cap 35 teeth 1/2" Bore (Special)	15	468	Shield over Gearing (Right)	1.10
280	Pointer for Grass Seed Slide	15	469	Hand for Acme Register	1.10
281	Sprocket Wheel for Grain Feed Shaft, 8 Teeth 11" Bore	15	470	Tie in Seed Hopper	1.10
282	Cap on end of Wood Roller to lift Boots (Left)	15	471	Sprocket Wheel (Special) to Drive Seed Shaft 11" bore,	1.10
283	Register Plate on Grain Hopper (for Wheat and Oats)	15	472	19 sprockets	1.10
284	Lever for Wheat and Oats Register	15	473	Set Collar Fert. Shaft, 1/2" bore	1.10
285	Stand for Wood Roller to Lift Boots (Right)	15	474	Oil Hole Cap	1.10
286	Stand for Wood Roller to Lift Boots (Left)	15			
287	Slide to Feed Fertilizer (some not numbered)	15			
288	Box for Fertilizer Feed Shaft, 1 1/2" bore	15			

NET CASH REPAIR PRICE LIST

for the HERTZLER & ZOOK Grain, Seed, Fertilizer, Bean, Pea and Corn Drill, Plain Seed Drill. Always give No. and name of part wanted, with price and enough to cover postage. If more is sent it will be returned with the billing. Parcel Post will take many of these parts to your door promptly avoiding delays of going through the different hands.

Casting No.	Name of Parts	Price	Casting No.	Name of Parts	Price
624	Washer on Drag Bar	10	1182	Hopper for Grass Seed (11 Hoe) (Wood Only)	1 85
625	Casting to hold Shift Bar	10	1183	Hoe or Shovel for Seed	50
626	Bracket for Seeder Box	15	1184	Lid for Grass Seed Hopper (3 Hoe)	50
627	Pawl for Latch for 603 Case	10	1185	Lid for Grass Seed Hopper (3 Hoe)	50
628	Cage for Spout in 613	10	1186	Lid for Grass Seed Hopper (10 Hoe)	60
629	Swingline Tree Hook	18	1187	Lid for Grass Seed Hopper (10 Hoe)	60
630	Button for Lid	10	1188	Lever for Zigzag Bars	1 25
631	Collar for Seeder Shaft	10	1189	Neck Yoke, 10-11 Hoe, 3 Horse Yoke, 41 1/2" long, each	1 25
632	Slide under Grain Hopper	65	1190	Neck Yoke, 9-10 Hoe, 2 Horse Yoke, 41 1/2" long	75
633	Slide under Grain Hopper	65	1191	Plate to hold Fertilizer Slide (Casting)	10
634	28 Tooth Gear, U. S.	1 10	1192	Pinion (Beyer) on Fertilizer Shaft to Drive Disc	30
635	Hub, R. & L.	3 55	1193	Roller (Wood) for Chain to Lift Boots (3 Hoe)	50
636	Hub, R. & L.	3 50	1194	Roller (Wood) for Chain to Lift Boots (3 Hoe)	50
637	Hub, R. & L.	3 50	1195	Roller (Wood) for Chain to Lift Boots (10 Hoe)	60
638	Hub, R. & L.	3 50	1196	Roller (Wood) for Chain to Lift Boots (10 Hoe)	60
639	Hub, R. & L.	3 50	1197	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
640	Hub, R. & L.	3 50	1198	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
641	Hub, R. & L.	3 50	1199	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
642	Hub, R. & L.	3 50	1200	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
643	Hub, R. & L.	3 50	1201	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
644	Hub, R. & L.	3 50	1202	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
645	Hub, R. & L.	3 50	1203	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
646	Hub, R. & L.	3 50	1204	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
647	Hub, R. & L.	3 50	1205	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
648	Hub, R. & L.	3 50	1206	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
649	Hub, R. & L.	3 50	1207	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
650	Hub, R. & L.	3 50	1208	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
651	Hub, R. & L.	3 50	1209	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
652	Hub, R. & L.	3 50	1210	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
653	Hub, R. & L.	3 50	1211	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
654	Hub, R. & L.	3 50	1212	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
655	Hub, R. & L.	3 50	1213	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
656	Hub, R. & L.	3 50	1214	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
657	Hub, R. & L.	3 50	1215	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
658	Hub, R. & L.	3 50	1216	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
659	Hub, R. & L.	3 50	1217	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
660	Hub, R. & L.	3 50	1218	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
661	Hub, R. & L.	3 50	1219	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
662	Hub, R. & L.	3 50	1220	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
663	Hub, R. & L.	3 50	1221	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
664	Hub, R. & L.	3 50	1222	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
665	Hub, R. & L.	3 50	1223	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
666	Hub, R. & L.	3 50	1224	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
667	Hub, R. & L.	3 50	1225	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
668	Hub, R. & L.	3 50	1226	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
669	Hub, R. & L.	3 50	1227	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
670	Hub, R. & L.	3 50	1228	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
671	Hub, R. & L.	3 50	1229	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
672	Hub, R. & L.	3 50	1230	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
673	Hub, R. & L.	3 50	1231	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
674	Hub, R. & L.	3 50	1232	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
675	Hub, R. & L.	3 50	1233	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
676	Hub, R. & L.	3 50	1234	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
677	Hub, R. & L.	3 50	1235	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
678	Hub, R. & L.	3 50	1236	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
679	Hub, R. & L.	3 50	1237	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
680	Hub, R. & L.	3 50	1238	Roller (Wood) for Chain to Lift Boots (11 Hoe)	85
681	Hub, R. & L.	3 50	1239	Roller (Wood) for	

DRILL TESTIMONIALS

Crestline, Ohio, June 20, 1912.

Hertzler & Zook Co., Belleville, Pa.

Gentlemen:—I can honestly endorse and recommend the Willoughby Grain Drills (The Hertzler & Zook is the Willoughby improved) as being by far the best for regular and even drilling of grain, fertilizer, and grass seed. I have been farming for sixty years and I have tried and used several kinds. They will not bunch the grain on rough ground, or with a jerky team, they will not cut or crush the wheat, as the rubber force feed is perfect, regular and reliable. I bought one in 1883, twenty-nine years ago, and I have used it every year since, and have let it to all my neighbors who could wait to get it. It is still in use and does good work. Other makes of drills, that I know of, were worn out and sold for junk in less than half that time. Several years ago one of my neighbors wanted to try fertilizer on his wheat. My drill was in use and he got one elsewhere. It had glass discs to distribute fertilizer which clogged and stuck and could not be made to work with his fertilizer. He waited a day and got my drill and drilled in his wheat with the same fertilizer he used in the other drill. When he brought home the drill he said "no trouble with that drill at all; just fill it with wheat, fertilizer and timothy seed and go right along all day." Hoping that you meet with good success, I am,

Yours truly, JAMES SEANOR.

Reedsville, Pa., July 19, 1912.

Hertzler & Zook Co., Belleville, Pa.

Gentlemen:—The Hertzler & Zook Drill that I purchased from you has given perfect satisfaction. A better drill cannot be made for sowing Grain, Grass and Fertilizer. The gum feed is the only feed for sowing wheat and oats evenly. The force feed fertilizer is a dandy for sowing all kinds of fertilizer. They are built for service and have a light draft, nothing to get out of repair or break. They are easier operated than any drill I ever handled. I would advise any farmer wanting a Grain Drill for long service to buy a Hertzler & Zook Grain Drill. Yours very truly,

ORIE L. HOSTETLER.

Belleville, Pa., Sept. 7, 1911.

Hertzler & Zook Co., Belleville, Pa.

Gentlemen:—I have used the Hertzler & Zook grain drill four seasons and take great pleasure in recommending it to all farmers who want a drill. It is the most perfect farm implement ever put on a farm. For lightness of draft, perfection of distribution (east of handling, durability, simplicity, beauty in construction, is not surpassed by any drill I ever saw; nothing to get out of repair or break; any boy that can drive a team can operate it. It puts all the seed and fertilizer just where you want them.

A. D. BYLER.

Livermore, Pa., June 24, 1913.

Gentlemen:—Well, you wanted to know how the Hertzler & Zook Grain Drill worked. Last fall I sowed wheat, rye, grass and fertilizer with it and I think it as perfect as could be. This spring I sowed my oats with it. I think there is no better drill made than yours for sowing all kinds of grain, grass seed and fertilizer. I want to try buckwheat some day soon. I would not trade my Hertzler & Zook Grain Drill for any other make of drill I ever saw, because it is perfect. Yours very truly,

JAS. W. BUSH.

Mahaffey, Pa., May 30, 1913.

Gentlemen:—You asked me how I liked the Hertzler & Zook Grain Drill and I will say that it cannot be beat. The rubber roll feed is the only correct thing to sow with, as it does not bunch. The force fertilizer feed is a dandy and the drill being made strong for rough land. I would advise anyone wanting a drill to buy a Hertzler & Zook. Yours truly,

MILLER C. BOWSER.

Barnesville, Pa., Aug. 9, 1913.

Gentlemen:—In regards to the Hertzler & Zook Grain Drill which I bought from you, I can honestly say that it is the handiest drill I have ever used, and I have used five different makes. One can always see the drill in operation, both grain and fertilizer, thus being sure that all the tubes are sowing and need not wait until the grain is up before knowing if you have a well seeded field or not. I have also saved considerable money by buying direct from your factory.

The saw frame and outfit I bought from you on Dec. 2, 1908, is giving good service and has been used for all kinds of hard work, sawing and ripping.

Very respectfully,

J. H. HEILMAN.

Livermore, Pa., Apr. 10, 1914.

Gentlemen:—The Hertzler & Zook Grain Drill comes up to all expectations. I have sowed wheat, rye, oats and buckwheat and fertilizer last fall. I sowed $\frac{1}{2}$ tons of lime with my drill. I took the tubes off the drill, which made it run lighter, and I tell you it worked like a top. I never used a drill to equal the Hertzler & Zook for sowing oats or any other kind of grain, fertilizer, lime, etc. For grass seedling there is no better made. I don't care where you go. I will put the Hertzler & Zook Drill up against any drill made for good work and accurate sowing.

Yours for success,

JAS. W. BUSH.

Starr, Pa., Apr. 25, 1914.

Dear Sirs:—I will write just a line in regards to my drill I received a year last summer. Must say I am well satisfied in every respect I have tried. I would not take twice the money I paid if I could not get another one like it. I have showed it to my neighbor who will want to get one like mine.

Yours truly,

WM. R. BEERS.

Belleville, Pa., July 2, 1913.

Dear Sirs:—Replying to your inquiry concerning my experience with your Hertzler & Zook Grain Drill, beg to say that I am very much pleased with it. It is the lightest running drill I have ever operated. I sowed from 3 pecks to 2 bushels of wheat per acre and found that it sowed evenly on any quantity. I have the most wheat from the light sowing and attribute this to the regular and even work done by your drill.

It works equally well on oats as on wheat. The fertilizer attachment is the simplest of any I have ever seen and distributes the fertilizer evenly and has never choked for me.

Yours truly,

P. L. CIVIER.

A Few of the Many Testimonials we have from Our Customers. If you wish to Read More we will cheerfully mail you more.

South Portland, Maine, Feb. 12, 1914.

Dear Sirs:—We got the cordwood saw all right and were very much pleased with it. The freight on it was \$1.65. It works fine and has sawed enough wood to more than pay for it. We are well pleased with it. Will not forget you.

Yours,
F. W. & A. H. PILLSBURY,

Stewartville, N. J.

Dear Sirs:—The No. 10 wood saw I bought of you about a year ago is all you claim for it. I do not hesitate to recommend it to any one.

Yours respectfully,
ISAAC B. HANCE.

Boonsville, Ark., Jan. 23, 1914.

Gentlemen:—The No. 1 wood saw I bought of you is all O. K. Just got through sawing our winter's wood. Have a little 2 H. P. gasoline engine and sawed 13 loads of pole wood in one day, some of the poles 20 ft. long. I can heartily recommend it to any one wanting a saw for small power.

Yours respectfully,
J. A. KNOWLES.

Pulaski City, Va., Feb. 17, 1914.

Dear Sirs:—I received my No. 4 wood saw, which I am well pleased with. I have tried it thoroughly on hickory wood and find it alright. Cut six two-horse loads in one hour with one man to help, and using my 3 H. P. gasoline engine.

Thanking you for prompt attention, I remain,

Yours truly,
WALTER P. MORRIS.

Sodus, N. Y., Apr. 10, 1914.

Dear Sirs:—We received saw frame, ripping table and saw blades and found them satisfactory and are well pleased with them.

Yours truly,
G. A. JACOBS.

Fairfield, Pa., Mar. 12, 1914.

Gentlemen:—The feed mill you shipped me came in good shape and proved satisfactory and I am very much pleased with its work.

Yours respectfully,
DAVID C. SHULLEY.

Middleboro, Mass., Apr. 27, 1914.

Gentlemen:—I received the lime spreader the day previous to which I wanted to use it, for which I am glad. It arrived in good time and has proved a valuable addition to other labor saving farm machinery.

I wish to say also that the shafts sent to replace broken ones on roller bought of you arrived promptly and I am very grateful to you for the readiness with which you made good this break. You have certainly done the square thing by me and I am very favorably impressed with your line and business dealings and shall be glad to serve you in any way I can in future. I have in the past bought several things from you. All have given excellent satisfaction, at prices, with freight added, much below what I could buy locally, the same standard of goods. Between now and next winter I shall order several other articles from you.

Small favors seldom incur much expense, yet they often bring as much added business as many dollars' worth of advertising could do.

Wishing you continued success, I remain,

Yours very truly,
ROLFE A. DELANO.

Millport, N. Y., Jan. 19, 1914.

Dear Sirs:—The No. 2 saw frame and 20" saw purchased of you a little over a year ago has given the very best of satisfaction. I use it with a 4 H. P. engine and have cut about 900 cords of wood to this time. It is the best rig in this part of the country. I shall order from you when in need of more.

Very truly yours,
HENRY BRINK.

Easton Pa., R. F. D. 6, Jan. 22, 1914.

Sirs:—I have been using a No. 1 Hertler & Zook circular saw about two months and I would not part with it for twice the price I paid.

Yours truly,
HERBERT UNANGST.

Hazleton, Ia., Jan. 21, 1914.

Gentlemen:—You ask me to write you about my saw. I can say that it works fine and I run it with 1½ H. P. I have sawed 30 cords of wood so far and I would not take any money for it. It is all you claim for it.

Yours truly,
HENRY CHAIN.

Geneva, N. Y., Jan. 20, 1914.

Gentlemen:—The saw I purchased from you is a perfect saw and am very much pleased with it. I have sawed \$120 worth of wood with it and have a good run of sawing this winter. Have not had a minute of trouble with the saw. I have a L. H. C. Gas Engine 2 H. P. that runs the saw.

The grinding attachment you have is a fine one. I will order one for my No. 2 saw frame as soon as convenient.

I remain your customer,

BOY LYND.

Bergen, N. Y., Jan. 20, 1914.

Dear Sirs:—I have received the No. 4 saw that I bought of you all in good shape and I am more than pleased with it for the price I paid. I have the only Hertler & Zook Saw in my section that I know of and I have lots of work for it every day in my neighborhood and it is just the one that will stand this business.

Yours truly,
ALONZO BLINN.

Macungie, Pa., Feb. 2, 1914.

Gentlemen:—My No. 1 saw frame which I bought from you nearly four years ago has done good work and it is just as good as the first time I used it. Last summer I sawed about two carloads of dead apple wood in 19 hours with good results. I will show it to all, as it is in good shape.

GEO. W. SNYDER.

Emporia, Va., Mar. 25, 1914.

Dear Sirs:—Received your saw and pulley in first class condition and am very well pleased with your promptness in filling my orders and I think I have saved one-half by buying from you. Will try and send for more later on.

Yours truly,
FRANK SWARY.

Sunnyside, Wash., Feb. 23, 1914.

Gentlemen:—The auto jack and wood saw received a few days after I wrote you requesting that you put on a tracer. I am very much pleased with the jack and I think I have all the power I will need for most all kinds of work that might come up on a farm, but wish you had sent me an 18" drive pulley in place of the 14", as with my big car I have power enough and with a larger drive wheel would not have to run my car so fast.

We set the machine up and have sawed wood part of one day to try it out and we run out about 20 cords in six hours, which I consider pretty good for a starter. I am anxious now to try it out on cutting silage and filling the silo.

Yours truly,
R. E. FERSON.

North Islesboro, Maine, Aug. 24, 1914.

Gentlemen:—I am well pleased to tell you that I have been running your No. 4 machine about a week now and can make good shingles and boards. Have had gages made to saw the boards. I mean the round timber as it is cut from the wood and it goes fine. Shall send soon for a cut off saw to make my shingle blocks with and saw up my winter's wood.

Yours truly,
N. K. BUNKER.

Doster, Mich., Feb. 17, 1914.

Dear Sirs:—I thought that I would write you a few words as I have never said a word to you about the saw I bought of you. It is O. K. and when I want any more I will let you know. I cut all the wood three men can get to it with 2½ H. P. engine, so you see it will cut some. It will outcut any saw that I ever saw and I have worked around them quite a lot.

Yours respectfully,
JAMES L. WISWILL.

FREIGHT CLASSIFICATION.—Railroads Charge for Freight According to its Classification, and the Classification varies according to the nature and value of the goods. Following is a classification of our line of goods:

CLASS				CLASS			
ITEMS		East	West	ITEMS		East	West
Anvils, cast iron	.....	4	4	Shafting Hangers	.....	4	3
Babbit Metal	.....	3	3	Shafting Collars	.....	4	3
Belting, Canvas	.....	1	2	Stove Grates	.....	4	4
Belting, Leather	.....	1	2	Swings, Porch	.....	3	1
Belting, Rubber	.....	1	2	Threshing Machines	.....	1	1
Crushers, Grit	.....	2	2	Troughs, Cast	.....	2	2
Drag Saws	.....	2	1 1/2	Troughs, Stock	.....	1	2
Dust Collectors	.....	1	1	Troughs, Poultry	.....	2	2
Feed Cutter, hand	.....	2	2	Trucks, Hand	.....	1	3
Feed Grinders	.....	2	2	Trucks, Two Horse	.....	1	1 1/2
Friction Clutches	.....	2	2	Washing Machines	.....	1	1
Furnace Plates	.....	4	3	Weights, Sash	.....	2	4
Grates, Wood	.....	4	4	Wood Planers	.....	1	2
Grain Drills	.....	3	3	Wood Saws, Mounted, K. D.	.....	2	2
Hitching Weights	.....	1	1	Wood Sawing outfits with engines, K. D.	.....	1	1 1/2
Lead, White	.....	1	1	Wood Saw Parts	.....	1	1
Lime Spreaders	.....	4	4	Wood Saw Tables, K. D.	.....	1 1/2	1 1/2
Mandrel Sets	.....	3	3	Wood Splitters	.....	1	1
Paints, Brushes	.....	1	1	Fodder Shredders, K. D.	.....	1	1
Paints, Varnishes, etc	.....	2	2	Corn Splitters, S. U.	.....	1	1
Plows, Ditching, K. D.	.....	3	3	Land Rollers, wood, K. D.	.....	3	3
Plows, Subsoiling, K. D.	.....	3	3	Tread Power (Auto Jacks)	.....		
Pulleys, Iron	.....	2	2	K. D.	.....	1	1
Pulleys, Wood	.....	2	2	Circular Saws, with frame att.	.....	1	1
Saw Blades, on Boards	.....	1	1				
Shafting Couplings and boxes	.....	4	3				
Saw Frames, set up	.....	1 1/2	1 1/2				
Saw Frames, K. D.	.....	2	2				

Freight Rates, per 100 lbs.							Freight Rates, per 100 lbs.						
From BELLEVILLE To		1st Class	2d Class	3d Class	4th Class	5th Class	From BELLEVILLE To		1st Class	2d Class	3d Class	4th Class	5th Class
ALBERTA							GEORGIA						
Calgary	.....	3.38	2.85	2.26	1.68	1.50	Atlanta	.....	1.25	1.11	.99	.83	.67
ALABAMA							Thomasville	.....	1.25	1.11	.99	.83	.67
Birmingham	.....	1.34	1.16	1.02	.88	.71	IOWA						
Montgomery	.....	1.28	1.13	1.00	.84	.68	Des Moines	.....	1.26	1.08	.86	.63	.44
ARKANSAS							INDIANA						
Little Rock	.....	1.86	1.58	1.23	.93	.70	Indidanapolis	.....	.62	.54	.43	.32	.27
BRITISH COL.							Evansville	.....	.72	.63	.49	.37	.30
Rossland	.....	4.08	3.45	2.74	2.10	1.84	ILLINOIS						
Vancouver	.....	3.83	3.33	2.77	2.37	2.00	Springfield	.....	.76	.47	.52	.39	.32
COLORADO							Chicago	.....	.66	.58	.46	.34	.28
Denver	.....	2.46	2.03	1.56	1.19	.95	IDAHO						
CALIFORNIA							Avery	.....	3.78	3.27	2.62	2.13	1.90
Los Angeles	.....	3.78	3.28	2.72	2.32	1.95	KENTUCKY						
Sacramento	.....	3.78	3.28	2.72	2.32	1.95	Frankfort	.....	.99	.88	.71	.54	.47
CONNECTICUT							Louisville	.....	.66	.58	.46	.34	.28
Hartford	.....	.58	.51	.40	.31	.26	LOUISIANA						
New Haven	.....	.58	.51	.40	.31	.26	Baton Rouge	.....	1.20	1.00	.83	.66	.57
DELAWARE							MAINE						
Dover	.....	.53	.47	.37	.28	.23	Augusta	.....	.58	.51	.40	.31	.26
Wilmington	.....	.47	.41	.35	.26	.21	Portland	.....	.58	.51	.40	.31	.26
DIST. OF COL.							MARYLAND						
Washington	.....	.47	.41	.35	.26	.21	Baltimore	.....	.45	.39	.33	.25	.20
FLORIDA							Cumberland	.....	.45	.39	.33	.25	.20
Jacksonville	.....	1.14	.96	.79	.59	.46	Hagerstown	.....	.45	.39	.33	.25	.20
Tampa	.....	1.64	1.38	1.12	.90	.74							

Freight Rates, Per 100 lbs.							Freight Rates, Per 100 lbs.						
From BELLEVILLE To	1st Class	2d Class	3d Class	4th Class	5th Class	6th Class	From BELLEVILLE To PENNA.	1st Class	2d Class	3d Class	4th Class	5th Class	6th Class
MICHIGAN							Erie	.45	.39	.34	.25	.20	.16
Lansing	.63	.56	.44	.32	.27	.22	Altoona	.38	.31	.25	.19	.16	.14
Marquette	.90	.77	.63	.46	.41	.30	Reading	.47	.41	.35	.26	.21	.17
MINNESOTA							Philadelphia ..	.47	.41	.35	.26	.21	.17
St. Cloud	1.30	1.12	.88	.64	.54		Lock Haven ..	.43	.38	.30	.24	.19	.16
MISSOURI							Waynesboro ...	.45	.39	.33	.25	.20	.16
Hannibal	.76	.67	.52	.39	.32	.26	Everett	.42	.37	.30	.24	.20	.16
St. Louis	.76	.67	.52	.39	.32	.22	QUEBEC, Canada						
MISSISSIPPI							Quebec	.67	.59	.46	.34	.28	.24
Jackson	1.25	1.11	.98	.88	.74	.66	RHODE ISLAND						
MONTANA							Providence ...	.53	.51	.40	.31	.26	.24
Great Falls ..	3.36	2.87	2.33	1.85			S. CAROLINA						
MASS.							Abbeville	1.34	1.16	1.02	.88	.71	.58
Boston	.58	.51	.40	.31	.26	.21	Columbia	1.16	.99	.86	.73	.58	.46
NEW YORK							SOUTH DAKOTA						
Albany	.52	.46	.36	.27	.22	.18	Watertown	1.54	1.33	1.04	.74	.54	
Buffalo	.48	.41	.35	.26	.23	.18	SASKATCHEWAN						
Rochester	.48	.41	.35	.26	.23	.18	Regina	2.68	2.28	1.79	1.33	1.26	
Utica	.50	.44	.35	.27	.22	.18	TEXAS						
N. CAROLINA							Dallas	2.23	1.92	1.56	1.35	1.07	
Asheville	1.27	1.14	.99	.82	.67	.57	TENNESSEE						
Raleigh	1.04	.91	.62	.54	.42	.37	Chattanooga ..	1.13	1.01	.90	.75	.61	.48
N. DAKOTA							Nashville	.93	.80	.65	.47	.39	.33
Bismarck	2.06	1.77	1.39	1.03	.85		UTAH						
N. HAMPSHIRE							Salt Lake City	3.58	3.09	2.56	2.07	1.72	
Concord	.58	.51	.40	.31	.26	.21	VERMONT						
Plymouth	.58	.51	.40	.31	.26	.21	Bennington ...	.58	.51	.40	.31	.26	.24
NEBRASKA							Montpelier ...	.68	.60	.48	.36	.30	.25
Lincoln	1.51	1.28	.96	.70	.54		VIRGINIA						
NEW JERSEY							Roanoke	.78	.69	.58	.39	.33	.27
Bridgeton	.42	.45	.40	.31	.26	.22	Portsmouth ...	.66	.55	.45	.31	.25	.20
Trenton	.47	.41	.35	.26	.21	.17	Richmond	.66	.55	.45	.31	.25	.20
OHIO							Winchester ...	.45	.39	.34	.25	.19	.16
Cincinnati	.58	.52	.41	.30	.25	.21	WEST VA.						
Columbus	.53	.47	.37	.28	.23	.19	Parkersburg ..	.51	.45	.36	.27	.22	.18
Dayton	.57	.50	.39	.29	.24	.20	Romney	.55	.48	.39	.29	.24	.20
Portsmouth ..	.58	.52	.41	.30	.25	.21	Wheeling	.47	.42	.34	.25	.20	.17
Toledo	.53	.47	.37	.28	.23	.19	WASHINGTON						
OREGON							Seattle	3.58	3.09	2.56	2.07	1.72	1.47
Portland	3.78	3.28	2.72	2.32	1.95		WISCONSIN						
							Madison	.98	.85	.68	.50	.43	

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Shoemaker

W. A. G. S. J. P. O.

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You pay the freight no matter from whom
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Buy from your local retailer and you will
find the freight tacked on to the price
you pay.

Even the big department stores "freight
prepare" merchandise that some one has added
the freight into the price you pay. The con-
sumer never pay the freight. It is part of
the cost of the article, as much a part as the
cost of the raw material.

Go to the store, buy a bill of goods and
take them away with you, you pay the
freight plus the cost of delivery.

The retailer not only must add the cost of
freight but he must add the cost of his horse
and wagon to every article of merchandise
he sells.