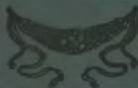


The HERTZLER & ZOOK

Line of Agricultural Implements

Sold direct to the Consumer
No Middleman's Profits



HERTZLER & ZOOK COMPANY
BELLEVILLE, PENNA.

YOUR ATTENTION, PLEASE

WE MAKE in our own factories and sell direct to the users 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.

Why not be your own buyer?

Why not save the middleman's profit and put it down in your own pocket?

REMEMBER THIS

Always remember Hertzler & Zook Co. divides the Pudding with you. When you buy from them you simply pay for the actual cost of material and labor with just one small profit added.

There are no middlemen's profits tacked on to your bill and you get the full benefit of the saving to be made by buying from a real manufacturer selling the goods direct at the nearest wholesale prices.

YOUR GUIDE

This catalog is a guide for your use when you wish to buy any of the goods listed herein.

Keep it for future reference.

In the event you do not send your order to us, refer to the prices in this book as you will know just how much you should pay for the goods. You can save money by acting so.

PONDER THIS OVER IN YOUR MIND

If a dealer buys one of our No. 1 wood saws for \$12.00 and sells it to you for \$15.00, is it any better than the No. 1 which your neighbor bought direct from us for \$12.00?

Or if a Dealer buys one of our Grain Drills for \$26.00 and sells it to you for \$31.00, is it any better than the same drill which your neighbor bought for \$26.00? Would the fact that you pay the dealer more than \$5.00 for ordering a wood saw or more than \$5.00 for ordering a grain drill for you make it any better or add any efficiency to the machinery?

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

DON'T CHEAT YOURSELF

Suppose that by some chance—some little slip—you should get something that you did not order—or something that for some reason is not satisfactory.

If you do not tell us about it you cheat yourself and you wrong us.

We do not make mistakes on purpose—in fact, we do not make many. Those few that we do make we want to adjust quickly, fully, cheerfully.

You owe it to us as well as to yourself to give us the chance to square ourselves.

The man who intends to wrang you will not make the thing right even when you ask him to. If we ever make a mistake in our dealings with you, give us a chance to prove that it was a mistake. **DON'T CHEAT YOURSELF.**

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 four 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 running our way, and practically 99 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 bidding 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.

OUR RESPONSIBILITY 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 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:	Bank Deposit	Cash With Order
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.	Bank Deposit	Cash With Order
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 20.

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. For prices of saw blades, either cordwood or rip, see pages 20 and 21.

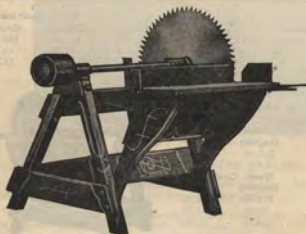
To get the price of above machines with all attachments, add the price of the ripping table and the price of any size ripping saw you wish (20" or smaller) to the machine you want.

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 20.

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.

	Bank Deposit	Cash With Order
Price of frame without blade; otherwise as shown above	\$11.70	\$9.70

Price as shown above with:	Bank Deposit	Cash With Order
24" Cordwood Blade	\$15.50	\$13.60
26" " "	16.15	14.15

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 56-lb. fly wheel:

Bank Deposit	Cash With Order
\$12.70	\$10.70

Bank Deposit	Cash With Order
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Price as shown
with:

24" Cordwood	
Blade ...	\$16.50 \$14.50
26" Cordwood	
Blade ...	17.15 15.15

*\$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 20.

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. For price of saw
blades, see pages 20 and 21.

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.

	Bank Deposit	Cash With Order
Price of frame without blade; otherwise as shown above	\$11.70	\$9.70

	Bank Deposit	Cash With Order
Price as shown above with 24" Blade	\$15.50	\$13.50
26" Blade	16.15	14.15
28" Blade	16.80	14.80
30" Blade	17.40	15.40
32" Blade	18.10	16.10

No. 4. Wood Saw with Fly Wheel

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

	Bank Deposit	Cash With Order
Price as shown with:	\$12.70	\$10.70
24" Cordwood Blade	16.50	14.50
26" Cordwood Blade	17.15	15.15
28" Cordwood Blade	17.80	15.80
30" Cordwood Blade	18.40	16.40
32" Cordwood Blade	19.10	17.10

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, \$1.00 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 20.

Price for ripping table only for No. 4 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. For price of saw blades, see pages 20 and 21.

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 (26" 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 1/2" in diameter x 49" long, with 1 1/2" arbor and 6 x 6 pulley. Boxes are of ample size and lined with a high grade of babbit 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.

Price of frame without blade; otherwise as shown above
Shipping weight, 320 lbs.

Price as shown above with:

	Bank Deposit	Cash With Order
24" Cordwood Blade	\$19.85	\$17.85
26" " "	20.50	18.50
28" " "	21.15	19.15
30" " "	21.75	19.75
32" " "	22.45	20.45

Our standard or shingles ripping table attachment can be attached to the above No. 5 machine. For full particulars see page 20.

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.

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 ripping 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, 315 lbs.

Price as shown above with:

	Bank Deposit	Cash With Order
24" Cordwood Blade	\$17.00	\$15.00
26" " "	20.50	18.80
28" " "	21.45	19.45
30" " "	22.10	20.10
32" " "	22.70	20.70
	23.40	21.40

If fly wheel is wanted, see page 19.

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 1/2" in diameter with 6 x 6 pulley, 1 1/2" arbor. Boxes are of ample size and lined with a high grade of bab-bitt metal. Price of frame without blade:

	Bank Deposit	Cash With Order
	\$22.00	\$20.00

Price as shown with:	Bank Deposit	Cash With Order
24" Cordwood Blade	\$25.80	\$23.80
26" Cordwood Blade	26.45	24.45
28" Cordwood Blade	27.10	25.10
30" Cordwood Blade	27.70	25.70
32" Cordwood Blade	28.40	26.40

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

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

COMPLETE WOOD SAWING OUTFIT

The Air Cooled Motor and saw mounted on same truck, making an ideal outfit and it will be one of the best investments you have ever made. This is saying much but give it a chance and be convinced. The motors are air cooled and require no water at all. The gasoline is stored in the base, making it very compact and the engine self containing.



During the wood-sawing season this outfit can be taken out and from \$10 to \$15 per day can be made. The prices charged for sawing may be contracted or fifty to seventy cents a cord can be charged or seventy-five cents to one dollar per hour; of course these are figures that are charged in some localities.

The different size outfits vary in capacity from twelve to twenty cords per day, in fact the large size will cut as much wood as can be handled. Shipping weight, 1700 lbs. Our prices on the complete wood-sawing outfits are as follows:

No. 6 with 3 H. P. motor mounted like cut, except with fly wheel on saw mandrel with 22" blade.....	Cash With Order \$164.50
No. 6 with 5 H. P. motor mounted like cut, with 26" blade.....	\$166.45
With 28" blade.....	167.75
With 30" "	168.39
No. 6 with 10 H. P. double tandem cylinder like cut with the exception that the engine has two cylinders, with 30" blade.....	\$300.00
With 32" blade.....	301.00
If No. 7 saw frame is wanted instead of No. 6 add \$5.00 to above prices.	

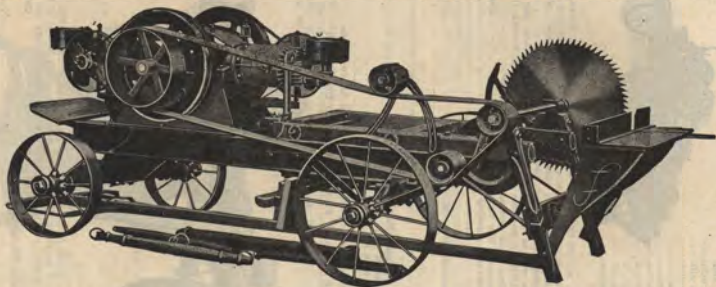
THE NUMBER SIX SAW FRAME MOUNTED ON WAGON



The above cut shows No. 6 saw frame mounted on our light engine truck and on which any make of engine not weighing over 900 lbs. can be mounted and then you will have one of the best wood sawing outfits on the market. Shipping weight 800 lbs.

Price of the above outfit with brake, pole, doubletrees and yoke.....	Cash With Order \$45.00
With shafts instead of pole.....	42.00

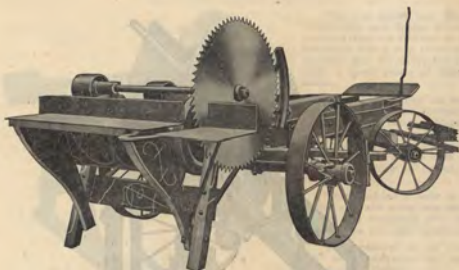
*Above outfits made left handed \$1.50 extra.



The above cut shows our No. 7 with under mounted fly wheel attached to one of our heavy engine trucks with a 10 H. P. Air Cooled Motor. Shipping weight, 2200 lbs.

	Cash With Order
Price, complete with 30" Saw Blade.....	\$305.00
With 32" Blade	306.00

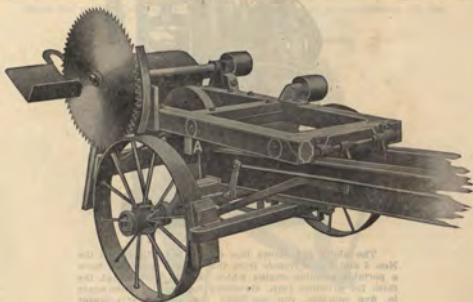
OUR HEAVY ENGINE TRUCK WITH NUMBER SEVEN SAW FRAME



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..... \$58.00
The above outfit made left-handed, \$1.50 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 above cut shows how easy it is to disconnect the Nos. 6 and 7 saw frames from the wagon. You then have a portable gasoline engine which can be used about the farm for grinding corn, shredding fodder, etc. Then again in five minutes you can have the sawing attachment placed on the truck ready for work again by simply removing the rod and putting the frame in place and replacing the rod.

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 Hertzer & 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 $\frac{1}{2}$ " in diam. with 1 $\frac{1}{2}$ " arbor and 6 x 6 Pulley.

	Bank Deposit	Cash With Order
Price of above machine less saw blade.....	\$13.30	\$11.30
Price of machine with:		
20" Cordwood Blade.....	\$16.20	\$14.20
22" " ".....	16.75	14.75
24" " ".....	17.10	15.10
26" " ".....	17.75	15.75
28" " ".....	18.40	16.40
30" " ".....	19.00	17.00

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 36" Diam. Our ripping device can also be attached.

	Bank Deposit	Cash With Order
Price of above machine without saw blade.....	\$15.45	\$13.45
Price of machine with:		
20" Cordwood Blade.....	\$18.35	\$16.35
22" " ".....	18.90	16.90
24" " ".....	19.25	17.25
26" " ".....	19.90	17.90
28" " ".....	20.55	18.55
30" " ".....	21.15	19.15

Extra for making left handed \$1.50.

Weight of above machine 243 lbs.

NO. 12 ROLLING TABLE SAW FRAME



The above 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 36" diam.

	Bank Deposit	Cash With Order
Price of the above machine less saw blade.....	\$19.00	\$17.00
Price as shown above with:		
20" Cordwood Blade.....	\$21.90	\$19.90
22" " ".....	22.45	20.45
24" " ".....	22.80	20.80
26" " ".....	23.45	21.45
28" " ".....	24.10	22.10
30" " ".....	24.70	22.70

Extra for making left handed \$1.50.

Weight of above machine 330 lbs.

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	6.04
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	7.92
Left-handed thread	\$1.00 extra.

PRICE-LIST ON PARTS OF OUR WOOD SAW. MANDRELS

No. 1, 41" long, 1 1/2" diameter, 1 1/4" arbor	\$2.28
Nos. 2 and 5, 49" long, 1 1/2" 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 1/2" 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	2.35

FLY WHEELS

No. 1-35 lbs., 1 1/2" bore, 13" diameter	\$1.31
No. 2-56 lbs., 1 1/2" bore, 17" diameter	2.15
Nos. 5 and 7-90 lbs., 1 1/2" bore, 17" diameter	2.50
125 lbs.-Special, 1 1/2" 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	.50
Idler Pulley castings for No. 5	1.00
Tightening pulley casting for Nos. 6 and 7	1.50
Gauge for No. 1 Rippling Table	.30
Gauge for No. 2 Rippling Table and larger	.75

RIPPING TABLES



Our wood saws are designed in such a manner that by attaching a table with three bolts and a ripping saw which we furnish at a small additional cost, gives you advantages, which would otherwise cost you from \$12 to \$20 at least. By using this attachment you have the benefit of two machines for about the price of one. The above cut shows the Nos. 1, 2, 4, 5, 6, 7, 10, 11 and 12 ripping table. This makes an indispensable outfit for sawing crate lumber, pickets, hewing wire fence posts, plaster and roofing lath, etc.

It is astonishing the work that can be done with these attachments. They can be attached to the Nos. 1, 2, 4, 5, 6, 7, 10, 11 and 12 machines and will sawing saws from 18 to 26 inches inclusive. The No. 1 will swing any size up to 20 inches; the No. 2 and larger any size up to 26 inches inclusive. Saws for No. 1 must have 1 1/4" arbor hole; for No. 2 and larger, 1 1/2". Price of ripping table to fit No. 1 frame, \$2.00; No. 2 and larger frames, \$3.00.



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 and safety stop the shingles are sawed.

Our ripping table for sawing shingles is made something similar to our No. 2 ripping table only it is longer and larger and has a safety stop for stopping the block holders in order to enable you to cut shingles any desired length. This table is adapted to do general ripping, as it can be used just as 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. Price of this table to fit any of our regular machines is \$3.50; block-holders, \$1.50 each. It requires two block-holders to make a complete machine.

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.

CORDWOOD SAW BLADES.

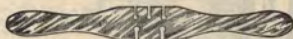


These blades are made from the best material and workmanship for the purpose intended and are guaranteed to be satisfactory.

The following blades are filed and set ready for use.

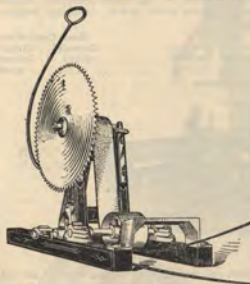
	18	20	22	24	26	28	30	32	34	36
1½ in. hole	\$2.10	2.90	3.45	3.80	4.45	5.10	5.70	6.40	7.20	8.00
1¼ in. hole	\$2.10	2.90	3.45							

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

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 bearing 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.

No. 9 IMPROVED STEEL FRAME WOOD SPLITTER



Our No. 9 steel frame wood splitter, as shown, will soon pay for itself in any kindling factory or wood yard where such splitting is done. Any kind of hard or soft wood that is splittable can be split on this machine. When a stick of wood cannot be split but must be cut, then it will not do the work, but anything that is splittable, this machine will split.

The No. 9 Single Splitter will split from 6 to 12 cords per day or as much as can be handled.

The No. 9 Double Splitter will split from 12 to 22 cords per day or just as much as can be handled.

This machine is built for service and speed as well as durability. It has a 6" Splitting axe.

In operating this splitter, the stick should be held and split in length or small pieces and the desired thickness across the stick, then the stick turned and split across the opposite way, which will make the stick in fine pieces. When thrown away it will fall apart.

This machine fills a long felt want and we are sure that if you will try the machine out it will please you and that you will number with our many satisfied customers.

Speed, 40 to 45 revolutions per minute. Fly Wheel Pulley, 31" x 5". Floor space, 23" x 33". Stands 7' 3" high.

Power required to run these machines ranges from one to three horse power. Shipping weight, 980 lbs.

	Bank Cash With	
	Deposit	Order
Price—Single Splitter	\$62.00	\$60.00
Price—Double Splitter	\$85.00	\$80.00

NO. 8 DRAGSAW



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, 1300 lbs.

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

	Bank Cash With	
	Deposit	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

ENGINE AND SAW TRUCKS



Capacity	1200 lbs.
Front wheels	24" x 3"
Rear wheels	30" x 4"
With brake and shafts, as shown above.....	\$25.00
With brake pole, double tree and yoke.....	\$28.00

HEAVY ENGINE TRUCK

Capacity	1500 lbs.
Front wheels	24" x 4"
Rear wheels	30" x 4"
With brake pole, double tree and yoke.....	\$25.00
If brake is not wanted, deduct.....	\$1.00

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	\$2.60
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	1.93	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	4.12	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	3.43	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.

Diam- eter Inches.	Face Inches.	Single Belt.	Diam- eter Inches.	Face Inches.	Single Belt.
6.....	3.....	\$0.94	10.....	12.....	\$2.88
6.....	4.....	1.09	12.....	3.....	1.37
6.....	5.....	1.19	12.....	4.....	1.50
6.....	6.....	1.23	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.....	2.13	14.....	10.....	2.93
10.....	10.....	2.40	14.....	11.....	3.21
10.....	11.....	2.64	14.....	12.....	3.53

FRICTION CLUTCHES



We here illustrate a line of Friction Clutches and Light Pulleys and Hangers of cast iron, to meet a long-felt want for a light and cheap outfit for driving cream separator, washing-machine, butter churn, or even a line shaft.

The Friction Clutches will be furnished with pulleys from 6" to 12" diameter and 2½" face, and with these clutches any child can start or stop any machine that might be in use.

The clutch is so designed that the lever can be thrown in gradually, so that a cream separator can be started up slowly and the impulses of the engine will cause the clutch to slip enough to prevent any undue strain being put on the separator in starting up, and when the machine is up to speed the lever can be pushed home.

It is our intention to keep a line of these pulleys, hangers and clutches in stock to be shipped out on short notice.

FRICTION CLUTCHES

6" x 2½" x 1⅝" bore	\$3.73	10" x 2½" x 1⅝" bore	\$4.19
8" x 2½" x 1⅝" bore	3.94	12" x 2½" x 1⅝" bore	4.38

SMALL IRON PULLEYS USED IN CONNECTION WITH FRICTION CLUTCHES ON 1⅝" SHAFTING ONLY

4" x 2½" x 1⅝" bore	\$0.70	12" x 2½" x 1⅝" bore	\$1.00
6" x 2½" x 1⅝" bore	.80	14" x 3" x 1⅝" bore	1.14
8" x 2½" x 1⅝" bore	.85	16" x 3" x 1⅝" bore	1.23
10" x 2½" x 1⅝" bore	.90	18" x 3" x 1⅝" bore	1.36

FRICTION CLUTCHES



FIG. 7937

**Standard Single Clutch
Exterior**



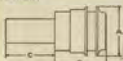
**Standard Single Clutch
with Pulley**



FIG. 7938

**Standard Double Clutch
Exterior**

Made single and double for machines, countershafts, lineshafts, etc., with sleeves to receive cones, pulleys, gears or sprockets. Operates easily and works perfectly at any speed. No projections to cause accidents. Instantly adjusted to any tension by one screw.



Line Cut of Fig. 7937



Line Cut of Fig. 7938

Dimensions of Single and Double

No. Horse Power for each 100 revolutions	2	4	5	6	8		2	4	5	6	8
Large bore, inches	2	3	4	5	6		2	3	4	5	6
Dimensions A, inches	1⅞	1⅞	1⅞	2⅞	3		1⅞	1⅞	1⅞	2⅞	3
Dimensions B, inches	4⅞	5	5⅞	6⅞	6⅞		4⅞	5	5⅞	6⅞	6⅞
Dimensions C*, inches	4⅞	5⅞	5⅞	6⅞	6⅞		6⅞	7⅞	8⅞	8⅞	11⅞
	4	5½	6	6½	8½		4	5½	6	6½	8½

*Any length hub furnished on order.

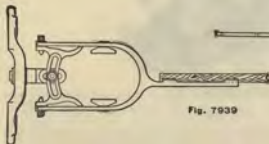


Fig. 7939

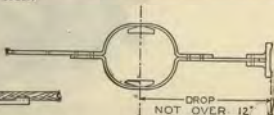


Fig. 7940

A SHIFTER

B SHIFTER

Prices—Figs. 7937 and 7938 without Pulley

	Single.					Double.				
No.	2	4	5	6		2	4	5	6	8
Each with shifter A, Fig. 7939	\$12.25	\$15.00	\$17.00	\$19.00	\$24.00	\$29.75	\$32.50	\$35.75	\$39.00	\$35.00
Each with shifter B, Fig. 7940	12.50	14.25	16.25	18.12	22.12	30.00	31.75	35.00	38.12	34.12
Each with shoe, only	12.00	13.75	15.75	17.50	22.50	19.50	21.25	24.50	27.50	33.50

Prices including pulley, quoted on application.

BOXES

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

Inches.	Price.	Inches.	Price.
$\frac{3}{4}$	\$0.40	$1\frac{1}{2}$	\$0.68
1	.42	$1\frac{3}{4}$	.74
$1\frac{1}{8}$	.53	$1\frac{7}{8}$	.83
$1\frac{1}{4}$	.55	$1\frac{9}{8}$	1.10

RING OILING BOXES

Inches.	Price.	Inches.	Price.
1 to $1\frac{1}{2}$	\$1.50	$1\frac{1}{2}$	\$2.40
$1\frac{1}{8}$	1.86	$2\frac{1}{8}$	2.80
$1\frac{1}{4}$	2.10	$2\frac{1}{2}$	3.20

SHAFTING HANGERS

Solid drop hangers, not adjustable, either bored or babbitted with 9° 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
$1\frac{1}{4}$ "	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
$1\frac{9}{8}$	.26
$1\frac{1}{2}$	.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"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "	$2\frac{1}{8}$ "
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"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "	$2\frac{1}{8}$ "
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 babbitt 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 lace is nothing but the highest quality. Rawhide Cut Lace

Leather in bundles containing 100 feet. Suitable lengths for lacing belts. 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	\$.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	\$.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. ut 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.; ½ bbl., 250 lbs.; 5 gal. cans, 40 lbs. No extra charge for cans or barrels.

Hertzer & Zook Red Engine

Barrels, about 52 gallons, per gal., .. .24
½ Bbls., about 28 gallons, per gal., .. .27
5 gallon can, per can1.60

Harvester Oil

Barrels, about 52 gallons, per gal., .. .22
½ Bbls., about 28 gal., per gal., .. .25
5 gallon cans, per can1.50

Steam Engine Cylinder Oils

Barrels, about 52 gallons, per gal., .. .33
½ Bbls., about 28 gallons, per gal., .. .36
5 gallon cans, per can2.05

Gas Engine Cylinder Oil

Barrels, about 52 gallons, per gal., .. .29
½ 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	\$45.70	\$32.70
Shipping weight 370 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 surfer that will plane stock 20" and 24" wide $\frac{1}{4}$ to 6" thick. Further description will be given on application.

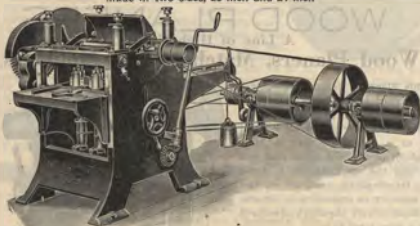
	Bank Deposit	Cash With Order
Price, 20" complete less countershaft and belting	\$172.90	\$171.90
Shipping weight 1,235 pounds.		

	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 $\frac{1}{8}$ inch thick and up to $2\frac{1}{2}$ inches wide. Shimer 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 6"	$\frac{3}{8}$ " to 6"
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 Deposit	Cash With Order
Price including countershaft with top rolls only driven, 20" machine..	\$221.30	\$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 tallings, 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 $4\frac{1}{2}$ 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
-----------------	--------------------

Price of No. 2 machine	\$243.25	\$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.....	\$5.00
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

\$65.00 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) \$65.00

Complete for grinding ear corn and shelled grain (weight 580 pounds)
Price \$80.00



THE HERTZLER AND ZOOK PLATE MILL

\$15.60 will pay for this high grade mill, which is made for grinding ear corn as well as shelled corn and has a capacity of from five to twenty-five bushels per hour, requiring 2 to 5 H. P. to operate. The plates are made of a special composition alloyed for this purpose, has a ball bearing end thrust, quick release, and the bearings are of a good grade of bearing metal. This mill is furnished as shown in the cut.

The frame is cast in one piece and cannot get out of line. The legs and hopper are made of the best selected lumber.

The plates are made to run sharp to sharp or dull to dull as the customer desires. Always shipped to run sharp to sharp unless otherwise ordered.



\$15.60

Fig. 138

Pulley is 14 x 4. Weight, about 175 lbs.

	Bank Deposit	Cash With Order
Price of mill with 2 pr. plates.....	\$17.60	\$15.60
Extra plates, fine, medium or coarse, per set.....		.85

HERTZLER & ZOOK PLATE MILL WITH FLY WHEEL



\$16.90

Fig. 139

No. 139 shows our mills as they appear with fly wheels, which we always recommend. This style being made in two sizes, No. 139 and No. 139 A.

No. 139 has a capacity of from five to twenty-five bushels per hour and requires from 2 to 5 H. P. to operate.

No. 139 A. has a capacity of from twenty to forty-five bushels per hour, according to the speed and fineness of grinding and requires from six to ten H. P. to operate. This mill is suitable for doing custom work for your neighbors.

These mills are constructed same as our No. 138 with the ball bearing thrust, quick release and bearing with a good grade of bearing metal.

	Bank Deposit	Cash With Order
Price of No. 139 as shown above with two sets of plates.....	\$18.90	\$16.90
Price of No. 139 A as shown above with two sets of plates.....	27.75	25.75
Price of extra plates for No. 139 per pair, fine, medium or coarse.....		.85
Price of extra plates for the No. 139 A per pair, fine, medium or coarse.....		1.35

Shipping weight, 139, 200 lbs. Shipping weight, 139 A., 335 lbs.

THE HERTZLER & ZOOK PLATE MILL WITH FLY WHEEL, ELEVATOR AND BAGGER

No. 140 shows our elevator and bagger as it is when attached to our No. 139 and 139 A. mills. No mill is complete without this attachment which only costs a trifle.

\$26.50

Bank Cash With
Deposit Order

Price of No. 139 mill with elevator and bagger as shown	\$23.50	\$26.50
Price of No. 139 A. mill with elevator and bagger as shown	37.50	35.50
Extra plates for No. 139 mill per set, fine, medium or coarse	1.00	
Extra plates for No. 139 A. per set, fine, medium or coarse	1.35	
Shipping weight, 139, as above, with elevator, 289 lbs.		
Shipping weight, 139 A, as above with elevator, 410 lbs.		



Fig. 140

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.

CORN SPLITTER



This machine will split green corn ears from end to end in three and four pieces, making it possible to get the best results when feeding cattle and hogs on green corn; overcomes the trouble of stock getting sore mouths or choking on large ears. This is an advantage that will appeal to every farmer and stock raiser.

A number of our practical farmers and stock feeders consider the use of this machine far superior to that of feeding whole corn or green corn chop. This machine is sold on our regular guarantee. Why not try one out? Shipping weight, 240 lbs. Price \$20.00

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

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 4¼-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, \$42.50

929 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.

AUTO JACKS

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, but from this cut



an idea may be formed as just how it is used. This Auto Jack may be placed stationary in your corn or work shed so that in three moments time you can have power available for sawing, shredding, grinding or for any purpose desired.

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 differential 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 injuring 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 says:

Reedsville, Pa., Sept. 20, 1913.

Hertzler & Zook Co., Belleville, Pa.

Dear Sirs:—The Auto Jack I purchased a few months 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 not tried it on my feed mill yet but am satisfied that it will give very satisfactory power.

Yours truly,

J. B. HOOLEY.

NOTE.—When ordering state whether you want it for an Auto or Truck or both and we will give you pulley best suited. Shipping weight 200 lbs. Price \$14.50

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, saying 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.

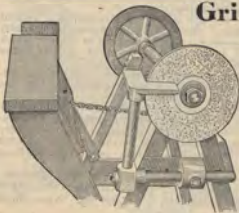




Fig. 175

Figure 175 shows how it is possible to grind almost impossible to grind on other grinders and as the rest is adjustable every way the rest may be placed on any angle desired and every section will be ground exactly the same slope. Weight 16 lbs. Price for any size frame \$3.90

AMERICAN CORUNDUM WHEELS.

For tool grinding or saw gumming or any other purpose where a high grade stone is wanted. These mower sections clear up in the corner, where it is wheels are not to be classed with emery wheels, as they are far superior.

NOTE.—When ordering wheels please give diameter, thickness, size of hole (or state what number of Hertzler & Zook machine it is to be used on), shape of face and purpose or class of work.



A 10x 3/4 wheel

We will always select a wheel best adapted for your work. weighs 5 1/4 lbs.

Thickness of wheels (in inches)	1/4	3/8	1/2	3/4	1	1 1/4
Diameter (in inches)	10	.94	1.05	1.15	1.55	2.00
Diameter (in inches)	12	1.12	1.20	1.25	1.87	2.30

HUNTINGDON EMERY WHEEL DRESSER.

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

Weight 1 1/4 pounds

Price with two sets of cutters 50c.



Extra cutters, per dozen sets 75c.

\$43.00



NO. 1 WOOD SAW WITH 1 H. P. ENGINE MOUNTED UNDERNEATH

This machine fills the place where hand power machines have been asked for. We can recommend this little outfit far superior to hand power. It may be used for light cordwood, sawing and ripping boards into lath or grinding with the grinding attachment shown on another page.

By removing four bolts the engine may be used for domestic use about the house or barn and will make the little dreaded jobs a real pleasure.

Price of outfit as shown in cut, Engine, Saw Frame and 16-inch blade (weight 225 lbs) —cash with order \$43.00

THE OPPOSITE CUT SHOWS THE SIMPLICITY OF THIS LITTLE ENGINE, WHICH CAN BE USED FOR SO MANY PURPOSES THAT SPACE DOES NOT ALLOW US TO ENUMERATE THEM. WITH ONE OF THESE LITTLE TWO-CYCLE ENGINES YOU CAN AT SMALL EXPENSE "MAKE LIFE'S WALK EASY" NOT ONLY FOR YOURSELF BUT FOR MOTHER AND THE ENTIRE WORKING FAMILY.

Price of engine, complete with all equipment except batteries,

\$28.00



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. The price of gasoline is going higher and higher every day. The price of kerosene is remaining just about what it always has been. THE HERTZLER & ZOOK KEROSENE ENGINE operates perfectly on kerosene. If you want, it also operates on gasoline and does better than any gasoline engine made. But, just think of the saving you make by using kerosene. You save at least 10c on every gallon of fuel you use. Figure up how much this means in a year. Why in a year you will just about pay for your HERTZLER & ZOOK ENGINE twice over by the saving effected in the cost of fuel alone. A gasoline engine is out of date. Do not let gasoline engine men sell you an obsolete out-of-date engine that will eat its head off in fuel. With a HERTZLER & ZOOK KEROSENE ENGINE you save money.

You should have a simple engine for farm work and at the same time one that will stand hard knocks and that is just what the HERTZLER & ZOOK KEROSENE 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.

THE HERTZLER & ZOOK KEROSENE ENGINE is a simple, durable, economical, dependable engine. 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	3½	3½	1½	46"	12"	37"	340 lbs.	\$ 64.00
4	4	4	1½	48"	13"	42"	400 lbs.	96.00
6	4½	4½	1½	50"	15"	45"	525 lbs.	136.00
8	5½	6	1½	54"	16"	48"	700 lbs.	176.00



"Full Length Tube" Vertical Tubular Boilers

Made of Open-Hearth Steel Plate, having a tensile strength of 60,000 pounds per square inch of section.

All sizes are well braced by means of stay bolts, and all Boilers 30 inches and upwards in diameter have their vertical seams double riveted. From No. 1 to No. 10 inclusive, the shells are made of a single sheet.

Boilers 20 to 30 inches in diameter have two, and the larger sizes three hand holes around the water leg, and the same number above the crown sheet. In Boilers 20 inches in diameter the water space around the fire-box is 1½ inches wide, in the 24-inch diameter 2 inches, and in all other sizes 2½ inches wide.

The fixtures comprise: Base, Grate, Hood, Steam Gauge, Glass Water Gauge, Gauge Cocks, either Pop or Lever Safety, Valve, Blow-off Valve, Check and Stop Valve.

In case Boiler is to be used on wood floor we can furnish special base at additional cost, so as to eliminate brick and sand work.

Number of Size	A	1	3	6	9	13	16	17
Horse-power	2	4	6	11	16	30	50	75
Diameter of Boiler, inches	20	24	24	30	36	48	48	54
Height of Boiler, feet	24	6	7	7	8	10	10	12
Diameter of Furnace, inches	16	19	19	24	30	42	42	48
Height of Furnace, inches	18	23	23	26	26	30	30	30
Thickness of Shell, inches	✓	✓	✓	✓	✓	✓	✓	✓
Thickness of Heads, inches	✓	✓	✓	✓	✓	✓	✓	✓
Thickness of Furnace Plate, inches	✓	✓	✓	✓	✓	✓	✓	✓
Number of Tubes (all 2 in. in diam.) ..	19	24	24	42	60	120	150	180
Length of Tubes, inches	24	25	49	58	68	68	80	114
Square feet of Heating Surface	25	39	63	117	194	363	600	881
Weight of Boiler with Fixtures, pounds	625	1150	1325	2200	3300	5300	6400	9550
Price complete, Cash with Order	41.50 46.50	67.50 72.50	82.50 87.50	134.40 139.40	187.50 192.50	317.45 322.45	471.60 476.60	688.60 693.60



STEAM ENGINES AND BOILERS AT FACTORY PRICES

The continual advance in prices of Gasoline as fuel, is making the demand for Steam engines and boilers greater every year, for Farm and domestic use.

Our engine and boiler factory turns out more engines than any other factory in the eastern part of the U. S.

We are in a position to make prompt delivery, direct from the factory to you at factory prices.

Figure F. Vertical Engine Combined With Boiler

Fixtures include all Engine and Boiler Trimmings; also connections between Engine and Boiler and suitable injector connected to Boiler.

Exhaust-pipe and stack will be furnished when so desired at an extra cost.

TABLE OF DIMENSIONS

Horse-Power as usually rated	1	2	4	6	8	12	5
Size of Cylinder, inches.....	2½ x 3	3 x 5	4 x 5	5 x 7½	6 x 7½	7 x 8¼	8 x 8½
Size of Boiler, inches.....	20 x 26	20 x 42	24 x 48	27 x 60	30 x 72	36 x 84	36 x 96
Number of 2-inch Tubes	16	19	24	30	42	60	60
Height from Floor to Top of Boiler	Ft. In. 3 8	Ft. In. 4 2	Ft. In. 4 8	Ft. In. 5 8	Ft. In. 6 10	Ft. In. 7 10	Ft. In. 8 10
Clear Space occupied, inches	26 x 45	26 x 48	30 x 53	33 x 59	36 x 62	42 x 70	42 x 70
Shipping Weight, pounds	700	950	1850	2000	2900	4400	4700
Price, cash with order	\$87.50	\$110.00	\$142.00	\$145.00	\$222.50	\$316.00	\$336.00

FIG. F VERTICAL ENGINES

We have added this line of Vertical Engines to our Standard Line, in order to fill a long-felt want among our various patrons. The engine is well made throughout, yet, owing to its simplicity of construction, it can be produced at less cost than more elaborate designs.

The rods are made of steel, the crank shaft of solid hammered steel, the "Brasses" of phosphor bronze, and the bearings of the best babbit. We make seven sizes as below:

TABLE OF DIMENSIONS

Horse-Power as usually rated	1	2	4	6	8	12	15
Size of Cylinder, inches	2½ x 3	3 x 5	4 x 5	5 x 7½	6 x 7½	7 x 8½	8 x 8½
Revolutions per minute	400	350	325	250	225	200	200
Diameter of Steam Pipe, inches	¾	¾	1	1	1½	1½	1½
Diameter of Exhaust Pipe, inches	¾	¾	1	1½	1½	2	2
Diameter of Shaft, inches	1½	1½	1½	2½	2½	2½	2½
Diameter and Face of Wheel, inches	13 x 3½	15 x 4	17 x 4½	24 x 6	24 x 6	30 x 6½	36 x 7½
Diameter and Face of Pulley, inches	6 x 3	10 x 5	12 x 6	14 x 7	14 x 7	15 x 7½	18 x 7½
Height from Floor to Centre of Shaft, in.	7	10	10	13	13	17½	19½
Height from Floor to Top of Cylinder, in.	28	43	43	54	54	67	69
Floor Space occupied, inches square	13	17	17	20	20	24	24
Approximate Weight, pounds	200	400	450	800	900	1500	1600
Price of Engine Complete, cash with order	\$47.00	\$65.00	\$72.00	\$91.00	\$100.00	\$140.50	\$151.50



Fig. F Horizontal Engine
Without Sub-Base

We have added this line of Horizontal Engines to our Standard Line, in order to fill a long-felt want among our various patrons. The Engine is well-made throughout, yet, owing to its simplicity of construction, it can be produced at less cost than more elaborate designs.

The rods are made of steel, the crank shaft of solid hammered steel, "Brasses" of phosphor bronze, and the bearings of the best babbit.

Price of Engines with Sub-Base, on application.

Fixtures include Oil Cups, Sight-Feed Lubricator, Drain Cocks, Governor and Governor Belt, Throttle Valve, Belt Fly-Wheel and Pulley

TABLE OF DIMENSIONS

Horse-Power as usually rated	6	8	10	12	15	20	25
Size of Cylinder, inches	5 x 7½	6 x 7½	7 x 10	7½ x 10	8 x 10	9 x 12	10 x 12
Diameter of Steam-Pipe, inches	1	1½	1½	1½	1½	2	2½
Diameter of Exhaust-Pipe, inches	1½	1½	2	2½	2½	3	3½
Diameter of Shaft, inches	2½	2½	2½	2½	2½	3½	3½
Diameter and Face of Wheel, inches	24 x 6	24 x 6	30 x 6½	30 x 6½	36 x 7½	44 x 9	44 x 9
Diameter and Face of Pulley, inches	14 x 7	14 x 7	16 x 7½	16 x 7½	18 x 7½	20 x 12	24 x 12
Revolutions per minute	250	225	200	180	180	160	160
Floor Space required for base, inches ..	18 x 48	18 x 48	20 x 57½	20 x 57½	20 x 57½	26 x 62	26 x 62
Approximate Shipping Weight, lbs.	700	800	1300	1300	1500	2900	3100
Price, cash with order	\$95.50	\$106.25	\$137.50	\$151.25	\$159.40	\$234.40	\$245.00

Fig. A Horizontal Engine

On Portable Boiler
Mounted on Wheels

Five Sizes
10, 15, 20, 25 and 35
Horse-power



TABLE OF DIMENSIONS AND PRICE LIST

Horse-power	10	15	20	25	35
Size of Engine Cylinder, inches	7 x 10	8 x 10	9 x 12	10 x 12	11 x 13
Revolutions per minute	150	150	150	150	150
Diameter of Pulleys, in inches	15 & 44	20 & 44	20 & 48	24 & 52	24 & 50
Face of Pulleys, in inches	8 & 10 1/2	10 & 10 1/2	10 & 12 1/2	12 & 12 1/2	12 & 12 1/2
Diameter of Boiler, inches	32	32	34	36	40
Length of Furnace, inches	38	44	52	52	52
Height of Furnace, inches	33	33	36	38	42
Width of Furnace, inches	26	26	28	30	34
Number of 3-inch Tubes	28	28	28	34	40
Length of Tubes, inches	72	78	90	96	102
Diameter of Smoke Stack, inches	14	14	15	16	20
Length of Smoke Stack, feet	11	12	13	14	15
Shipping Weight, pounds	9200	9000	10700	12000	14500
Price Complete, Cash with Order	\$614.90	\$653.92	\$776.75	\$854.85	\$1007.75

Fittings and Fixtures comprise grates, water column, water gauge, gauge cocks, steam gauge, pop safety valve, check and stop valves, whistle, blow-off valve, hinged stack, ash pan, injector attached, fly wheel, pulley, oil cups, lubricator, throttle valve, governor and belt, pipe connection between boiler and engine, running gear as shown in cut, including wheels, tongue, neckyoke, doubletree, whiffletrees and brake.

All wheels are of iron.

Axle is in one piece, made of the best steel, bent to shape and extends across underneath the fire-box.

Rear axle is equipped with springs.

Smoke Stack and Guys

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

Diameter of Stack, inches	8	10	12	14	15	18	20	22
No. 16 Iron, per foot	.57	.62	.66	.70	.75	.79	.84	.88
" 14 " "	.80	.84	.88	.97	1.01	1.10	1.18	1.26
" 12 " "		1.01	1.14	1.25	1.36	1.36	1.45	1.54
" 10 " "			1.45	1.58	1.71	1.84	1.97	2.19
Galvanized Wire Rope for Guys, per foot	.02	.02	.02	.02	.02	.02	.02	.02
Damper in Stack	2.20	2.42	2.64	2.64	2.64	2.82	2.82	2.82
Umbrella Top for Stack	2.20	2.20	2.64	2.64	2.64	3.52	3.52	3.52

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.

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 10" 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

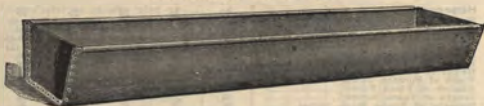
We have some customers who wish to build their own truck to suit their own special requirements

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. 21—19" top, 12" bottom, 12" deep	No. 32—25" top, 15" 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 32

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. 32—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 TROL

Made in our own foundry and sold direct to you. The material and only one small profit, no middleman's profit. These advantages a poultry trough can have. They will not upset nor will they break by freezing. To remove any ice, invert and pour **W. BOND** your trough is empty and clean.



No. 34—Size, 9" long, 5½" wide, 1¾" deep.			
Each	\$0.15	Per dozen	\$1.65
No. 35—Size, 16" long, 5½" wide, 1¾" deep.			
Each	\$0.45	Per dozen	\$4.35
No. 36—Size, 29" long 7" wide, 3" 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.

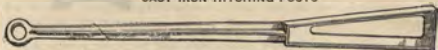
Poultrymen have long felt the need of a strong, reliable grit crusher. Here it is, a half-hour's work will crush enough grit to supply a large flock several weeks. You can gather the material for nothing. Ready prepared grit is expensive owing to heavy freight charges. With a Hertzler & Zook Grit Crusher 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 Rets 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..... \$1.29



SASH WEIGHTS

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

Lead sash weights, all sizes to specifications.

Price on Application

HANDSOME LEVER FEED CUTTER

On account
take up the
wood



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

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. 22—100 " " 2.80



WOOD GRATES FOR RANGE STOVES



This grate will save one-quarter of the wood you will burn in a range. To put it in, turn grate on edge and lay wood grate on top. If fire box is still too deep, block it up with iron or bricks. Try one—if you don't like it don't keep it, and we will refund your money. Always state length wanted. No. 55 wood grate, 7 x 12 to 7-18.. *A \$9
6 x 12 to 6 x 18, \$9.00



\$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 COME: *Belleville, Pa.* SEPTEMBER 6, 1914

THIS IS TO CERTIFY THAT THE HERTZLER & ZOOK COMPANY, A CORPORATION INCORPORATED UNDER THE LAWS OF PENNSYLVANIA, BRANCHES IN THE HERTZLER & ZOOK COMPANY & ZOOK MANUFACTURING, HAS DEPOSITED IN THIS BANK AN AMOUNT OF \$10,000.00 IN THE SUM OF TEN THOUSAND DOLLARS TO GUARANTEE THE RETURN OF PURCHASE MONEY AND FREIGHT BOTH WAYS IN THE EVENT OF THE RETURN OF GOODS FROM SUCH PURCHASES.

THE DEPOSIT OF THIS GUARANTEE HAS BEEN MADE AND RECEIVED BY THE BELLEVILLE NATIONAL BANK, AND WILL BE RETURNED AS THAT BANK.

WITNESSED,

cash
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.

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. 41—Plate only for two kettles 7.50
- No. 42—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 one35 cents each
- No. 52—Straight bar grates, 3" wide, 25" long, three bars in one25 cents each

CERTIFICATE PLAN A REAL BUSINESS PROPOSITION FOR YOU

And is nothing more than this. You send in your order, and with it a list of names of your farmer friends and neighbors who are, or might be, interested in the same article (which will be explained below), we will mail them a catalog, write them a letter and to every one to whom we sell to, as per agreement set forth on the certificate, we will send you our check for the amount the certificate calls for, as soon as the customer is satisfied with the article, as our rule is no sale is closed until the customer is satisfied.

In taking advantage of the certificate plan for instance, if you order a saw, send names of people you think will be interested in saws. If you order a drill, do likewise, or anything that you can assist us in selling after you first have one. Though we only mention two articles, by writing us we will apply it to any of the Hertzler & Zook line in the same proportion. It also can be renewed year after year. Is not a commission but only the money we otherwise give to the newspaper people for advertising and are ready to give it to our farmer friends.

\$3.00 paid for names who will buy a Grain Drill

\$1.00 for names who will buy a Wood Saw

IMPORTANT CERTIFICATE REAL MONEY for you if you buy a Hertzler & Zook Wood Saw or Grain Drill

We will pay to any of our customers who buy a complete Hertzler & Zook Wood Saw or Grain Drill, which is not a commission or a rake-off, but only the money we otherwise pay for advertising to the newspaper people, and now offer it to our farmer friends and patrons at the following rates.

\$1.00 for each complete Wood Saw and frame **\$3.00** for each complete Grain Drill

we sell to any of the names sent us inside of two years from date of receipt of names. Names must be those not already on our books from other sources.

This certificate may be renewed on request.

HERTZLER & ZOOK CO.

B. Hertzler Treas.

Use Good Judgment in Sending Names of People You Think Will Buy

DON'T CHEAT YOURSELF

Suppose that by some chance—some little slip—you should get something that you did not order—or something that for some reason is not satisfactory.

If you do not tell us about it you cheat yourself and you wrong us.

We do not make mistakes on purpose—in fact, we do not make many. Those few that we do make we want to adjust quickly, fully, cheerfully.

You owe it to us as well as to yourself to give us the chance to square ourselves.

The man who intends to wrong you will not make the thing right even when you ask him to. If we ever make a mistake in our dealings with you, give us a chance to prove that it was a mistake. **DON'T CHEAT YOURSELF.**

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.

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

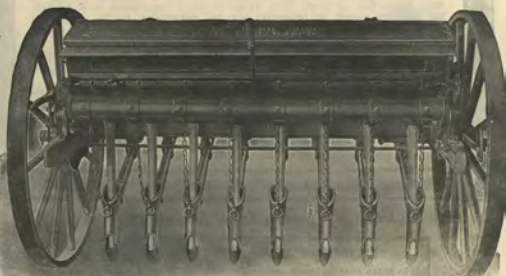


Fig. 1

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 Wt. 925 lbs.

10 Hoe 3 Inch Grain, Seed, Fertilizer, Bean, Pea and Corn Drill



Fig. 131

10 Hoe, 3-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

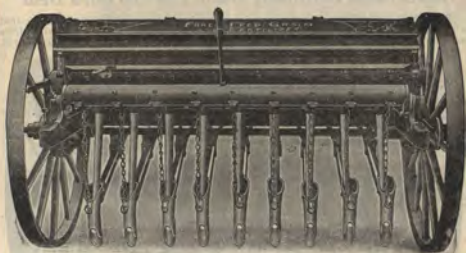


Fig. 102

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. 95

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 drills.

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

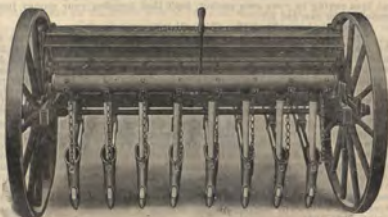


Fig. 157.

PRICE
\$39.75
UP

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 7",	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. 35.

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 cut.

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.

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 99, you will notice on the extreme left hand of the drill you will see the surveyor.

If you will refer to Figure 98 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 holster puts the working part out of gear, and, in consequence, the surveyor does not move in the least and can, therefore, be re-



Fig. 103



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.

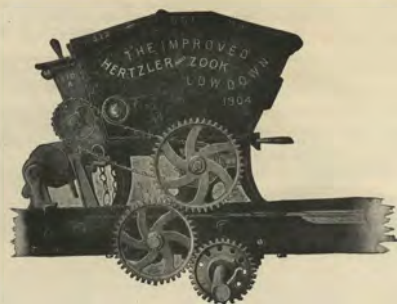


Fig. 105

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 hoist 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 boes 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 boes 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.

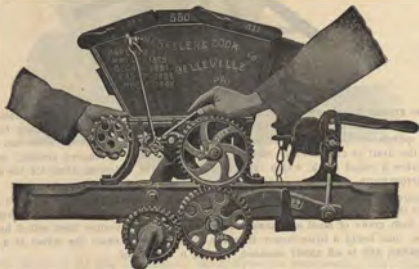


Fig. 94

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-

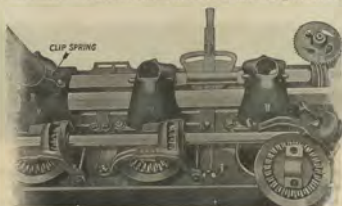


Fig. 92

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

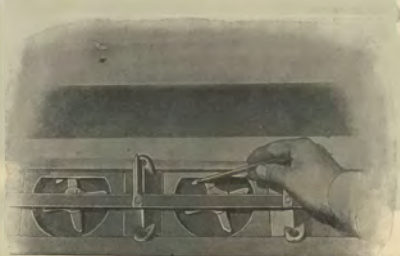


Fig. 93.

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.

Pears, 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.

OUR LOW DOWN LIME SPREADER



Fig. 121

This machine is specially designed for spreading Hydrate Lime, Pulverized Lime Commercial Fertilizer, Plaster, Ashes, Cottonseed Meal, Etc.

The feed is regulated with one lever and can be adjusted instantly to sow any quantity that may be desired, from 150 pounds to 4000 pounds per acre. The feeding device is simple, but positive. A series of chains pass continually through the hopper and over the discharge openings, carrying out a regular flow of lime or fertilizer which cannot choke or arch in the hopper, as the chains keep agitating the contents of the hopper at all times while the spouts spread it evenly over the ground.



Fig. 122

Figure 122 shows inside of hopper.

The low down spreader is made in two sizes as follows:

The 5 ft. Spreaders are fitted with shafts and the 8 ft. with poles.

The lime or fertilizer is discharged close to the ground, so it cannot be blown off the operator or team, is convenient to fill, has no parts to clog, or rust and in fact is the best low down spreader on the market.

Let us prove to you that first, the price is right; second, the machine is perfect; third, let us ship you one for you to try out on your own farm.

	C. W. O.	B. D.
Low Down Lime Spreader, 5 ft. wide.....	\$20.50	\$22.50
Low Down Lime Spreader, 8 ft. wide.....	34.00	36.00

The Hertzler 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 landslide; 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**

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 board 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 250 to 300 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.

STAR READY MIXED HOUSE PAINT

A second grade paint that gives perfect satisfaction, and better than a good many first grade paints on the market.

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. 12 Lt. Buff	No. 22 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.....	\$1.10	20 gallon half barrels.....	\$1.00
5 gallon kits, per gallon.....	1.07	50 gallon barrels, per gallon.....	.94

HERTZLER & ZOOK PURE HOUSE PAINT

A high class first grade paint, made of the best materials.

(Note) Made up in the same shades as Star Ready Mixed Paints.

Prices (all colors)

1 gallon cans, per gallon.....	\$1.45	20 gallon half barrels, per gallon...	\$1.35
5 gallon kits, per gallon.....	1.44	50 gallon barrels, per gallon.....	1.32

STAR BARN AND ROOF PAINT

A second grade paint, but better than a good many first grade paints.

List of colors and prices.

Red	Slate	Yellow	Brown
1 gallon cans, per gallon	\$.55	20 gallon half barrels, per gallon...	\$.50
5 gallon kits, per gallon.....	.53	50 gallon barrels, per gallon.....	.48

HERTZLER & ZOOK BARN AND ROOF PAINT

A protective and weather-proof coating [Guaranteed.]

List of colors and prices.

Red	Green	Yellow	Slate	Maroon
1 gallon cans, per gallon.....	.77	30 gallon half barrels, per gallon..	.68	
5 gallon kits, per gallon.....	.73	50 gallon barrels, per gallon.....	.62	

HERTZLER & ZOOK WAGON PAINT

Will protect your wagons and implements, and make them look new.

List of colors and prices.

Red	Yellow	Green	Blue	Black	Vermillion
1 gallon cans.....	\$1.32	Half-gallon cans.....	.68	Quart cans.....	.35

HERTZLER & ZOOK VARNISHES

Special Interior:—An excellent varnish for use on all interior woodwork. Produces a high gloss, and a lasting finish.

5 gallon cans	\$5.35	½ gallon cans	.68
1 gallon cans	1.18	Quarts	.38
		Pints	.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	\$13.35	½ gallon cans	\$1.40
1 gallon cans	2.70	Quarts	.75
		Pints	.40

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	1¼	1½	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	3½	4½	4½	4½
Price, each	56c	\$1.13	\$1.46	\$1.71

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

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 CUT 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. 33—Price..... \$2.50

Remember when you buy the Hertzler & Zook line, you are the judge.

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.

Plicksville, Pa., May 14, 1913.

Hertzler & Zook Co., Belleville, Pa.

Sirs:—I thought I would not send in names of farmers until I had tried the drill received from you this spring, but I am so well pleased with it that I take pleasure in recommending it to anyone wishing to buy a first class drill. Although the price is from eight to ten dollars less than dealers ask, still it is the simplest, handiest and lightest running drill I ever saw. It sows to perfection. I sowed my oats without recleaning and can see no streaks, while many of my neighbors who have drills without agitators, have lots of streaks in their fields.

I enclose list of names of probable buyers of grain drills or some of the Hertzler & Zook Line.

Very Truly Yours,

GEO. B. MILLER.

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.

Cambridge, Ohio, July 8, 1913.

Dear Sirs:—I like my drill. Find it cannot be beat anywhere for any kind of ground. It is a dandy and will hold on to the Old Hertzler & Zook Drill and talk it up all I can. I am in favor of the Hertzler & Zook Drill. You bet I am. From

FRANK HOWELL.

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.

Belleville, Pa., Sept. 14, 1911.

Hertzler & Zook Co., Belleville, Pa.

Gentlemen:—You asked me how I liked the Hertzler & Zook grain drill and will say that it cannot be beaten. The gum wheat feeders are the only correct principle to sow wheat so it don't bunch. The force-feed fertilizer is a dandy, and the drill being made strong for rough land would advise anyone wanting a drill to buy a Hertzler & Zook. Yours very truly,

J. H. HOSTETLER.

A Few of the Many Testimonials we have from Our Customers.

If You wish to Read More we will cheerfully mail you more.

Brookhaven, L. I., Dec. 23, 1912.

Dear Sirs:—After considerable use I find the No. 2 saw rig that I purchased from you a short while ago, highly satisfactory. My little 3 H. P. jump spark engine drives it finely. Very truly yours,

DESMOND NELSON.

Oswego, N. Y., July 21, 1913.

Dear Sirs:—I am pleased to be able to state in answer to your request that the Feed Mill I received from you has given me entire satisfaction. I have done the grinding for my farm of 97 acres with it with a small gasoline engine, 2½ H. P. Can grind six to ten bushels per hour fine enough for any feeding purpose. Have ground oats, corn, peas, barley and mixtures of the same grains. Have not ground much corn and cobs, as I do not think it pays for the extra men and time with such a small engine. I may add that I am still using the first pair of plates and they are in good condition yet. I am also pleased with the wood saw which is an excellent saw. I am satisfied that you intend to do the fair thing and expect to deal with you for things which I need in your line. Yours very sincerely,

FRANK E. STEVENSON.

Smithtown Branch, N. Y., March 26, '13.

Dear Sirs:—Received the belt and Feed Mill which I ordered and by trial find a well made and handy little mill. I have tried it with oats and with corn on the cob. Will recommend it anywhere. I am,

Yours truly, PAUL E. W. STOEFF.

Landisburg, Pa., July 18, 1913.

Gentlemen:—Yours of yesterday at hand. In regard to the Feed Mill that I purchased of you last spring, I must say it works O. K. so far as we have tried it. We have used it to grind one-half ton of tobacco stems and it does excellent work on the stems. The tobacco is used as a fertilizer for young trees and to keep the borers out of them. This Feed Mill will grind corn in the ear faster and do better work than we get done at the grist mill. My engine is a 3 H. P. and by regulating the feed to suit the power it will work alright. I have not had much experience in chopping but we get along very well for a novice. Yours very respectfully,

WILLIAM STEWART.

Brookfield Center, Conn., March 14, 1913.

Gentlemen:—I have been receiving your letters right along. I have a feed mill and saw both of which are satisfactory. I am not yet in the market for a grain drill, although I may need one another year. The washing machine I ordered from you, my

wife is delighted over. She is not very well, but can do her washing without using up all her strength. Wish we had known of it before.

Sincerely,

W. H. BLACKMAN.

Schaffertown, Pa., (R. D. 1), Aug. 27, '13

Dear Sirs:—The feed mill which I received from you is doing fine, works good. I wouldn't look for a better one. I used it a good bit already and it always does fine. The wood saw also does very good.

Yours truly, WM. B. MANN.

Duet, Va., Nov. 1, 1912.

Dear Sirs:—I received my saw frame and blade. I have used it and am well pleased with it. Will recommend your line of goods whenever I can.

Yours respectfully, J. J. HAINES.

Litchfield, Ohio, March 15, 1913.

Dear Sirs:—I have received the No. 4 wood saw and blade and is all O. K. and as you describe it. Thanking you for your attention given my order, I am

Yours truly, ARTHUR W. FOOTE.

Bridgeville, Del.

Gentlemen:—The No. 1 Wood Saw I received from you cannot be beat. Would not do without it. I have sawed a cord of wood into stove-wood length in 33 minutes with a 3 H. P. International Gasoline Engine. I can saw anything that I can lift to the saw. I can recommend it to anyone. Thanking you for all favors, I am

Yours truly, R. M. RYAN.

Rahway, N. Y., Nov. 1, 1912.

Gentlemen:—I am using your No. 1 Cordwood Saw now right along and it is all that I could expect. Kindly send me one of your catalogues. The ones you sent me have been borrowed by parties considering the buying of a saw.

Sincerely yours, THOS. F. IRWIN.

Suffern, N. Y., Dec. 2, 1912.

Dear Sirs:—The saw which I purchased from you is giving very good satisfaction. The rip saw paid for itself in less than a month, and I don't hesitate to recommend it to anyone I see wanting a saw. Thanking you for your trouble and kindness.

Yours truly, PERCIVAL VAN ORDEN.

West Boylston, Mass., Aug. 27, 1913.

Dear Sirs:—Since I received my saw it has worked perfectly; sawing cherry, hickory and oak up to ten inches in diameter with a 3½ H. P. gasoline engine.

Yours truly, WM. C. HALL.

West Chester, Pa., Dec. 27, 1912.

Dear Sirs:—Received the No. 4 Circular Saw all O. K., also the hog trough. I must say I am very much pleased with the saw. It certainly is a dandy. I was surprised

to get such a good one for the money. I will send you a few names of neighbors who need saws. Yours truly,

AMBROSE S. TAYLOR.

Elkland Pa., Jan. 14, 1913.

Dear Sirs:—I received the saw frame and belt and was very much pleased with it. I have sawed wood for all of my neighbors and they think it is a fine rig. I will be glad to shaw it to anyone.

Yours truly, WM. H. TUBBS.

Athol, N. Y., Jan. 16, 1913.

Gentlemen:—About one year ago I purchased a No. 4 saw complete with a 95 lb. fly wheel. When I bought it, I intended it just for my own use, but I find I can make good money sawing for my neighbors. Some time I have to saw long poles. I am much pleased with the saw and think it is as good as one costing a great deal more. You can refer anyone to me and I will gladly recommend your goods.

Sincerely, C. P. GILLINGHAM.

Barberton, Ohio, Jan. 29, 1913.

Dear Sirs:—I wish to tell you that I am more than pleased with the No. 2 Saw Frame received from you some time ago. I have sawed for four of my neighbors and the machine works fine. Have sawed as high as 26 two-horse loads of wood in five hours with my 2½ H. P. gasoline engine and could have sawed more if we had more men. Thanking you for your kindness, I am,

Yours very truly,

ERNEST R. CORMANY.

Cambridge, Ohio, Feb. 7, 1913.

Dear Sirs:—The wood saw I bought from you last December is all you claim for it. I have 4 H. P. engine. I can cut wood as fast as four men can get it to me. It is a dandy. Any person wanting a wood saw, I will say to them to buy it from the Hertzler & Zook Co. for good work and honest and fair dealing. Yours truly,

DAVID MARTIN.

Marion, N. Y., June 6, 1913.

Gentlemen:—I received the Saw Frame, Ripping Table and Rip Saw you sent me and just tried it, and I think it is the best rig I ever used and am perfectly satisfied.

Yours truly, F. A. WILCOX.

Cadiz, Ohio, June 6, 1913.

Sirs:—I received the 18-inch blade in due time and am well pleased with it. I sawed about three cords of wood to-day and found it to be a No. 1 saw. I will promise you that if I need anything in your line you will get the order.

Respectfully yours, W. B. GRIMES.

Pt. Pleasant, Pa., June 10, 1913.

Dear Sirs: Your certificate check received and I thank you very much for it. I like my saw I got of you more and more, and am telling all my friends about it. If I need anything in your line again I shall surely let you know. Again thanking you, I remain,

Yours truly,

JOHN ASHER CLEMENS.

Stevensville, Md., Feb. 25, 1913.

Dear Sirs:—The No. 11 saw and belt arrived safely and I tried it out today. I am perfectly satisfied with it. I tell you it is a dandy. Thanking you for your fair dealing and prompt shipment, I remain,

Yours truly, JAMES F. DASHIELL.

Martinsville, N. Y., Jan. 8, 1913.

Hertzler & Zook Co.,

Belleville, Pa.

Dear Sirs:—I must write and let you know that I received my saw all right and it works good, everything is O. K. Just what I was looking for. I have a 2 H. P. engine and can run it with 1 H. P.

Yours truly,
D. C. KELVINE.

Middleburgh, N. Y., Feb. 29, 1913.

Dear Sirs:—I received the saw ordered of you and am well pleased with it. Am recommending it to my neighbors.

Yours truly,
O. H. C. GRIDLEY.

Norwood, R. I., Nov. 29, 1911.

Dear Sirs:—I received your No. 2 saw frame all right and am well pleased with it. I waited to try it before writing you and want to say that for the price it is all right and meets the requirements of a saw for all around work.

I want to thank you for the quick shipment and close attention to order.

Yours respectfully,

J. A. CHAPLIN.

Parsonsburg, Md., Nov. 25, 1911.

Gentlemen:—The No. 2 wood saw that I bought of you is all right and is well worth what I paid for it. I run it with a 4 H. P. engine and it works fine.

Yours truly,

S. K. FERDUE.

Cumberland, Md., Feb. 24, 1912.

Dear Sirs:—The saw which I received from you is all right, I can saw wood with a 2 H. P. engine and make good time. It beats an axe all to pieces.

Yours truly,

E. W. GROWDERE.

Oriztown, N. J., Mar. 13, 1912.

Dear Sirs:—The No. 4 wood saw which I bought of you some time ago certainly pleases me and also my customers.

Yours respectfully,

ADOLPH BUTLER.

Lickdale, Pa., Oct. 20, 1911.

Gentlemen:—This is to inform you that I received the No. 1 Wood Saw all right. It is certainly a dandy for the money and works fine. I tried it on Saturday afternoon and it gives complete satisfaction.

Yours respectfully,

G. G. GERBERICH.

Spokane, N. Y., Mar. 28, 1912.

Gentlemen:—The saw arrived yesterday and is quite satisfactory. I am well pleased with it. The best saw for the money I have ever seen.

Yours for success,

ROBERT W. BURNS.

Westwood, N. J., Jan. 20, 1912.

Dear Sirs:—The saw frame saw and belt arrived here on the 17th all O. K. Have tried same and am well pleased with it. Hope to give you another order in the future. I remain,

Yours truly,

GEORGE ENGEL.

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	Thrashing 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 for Stave factories	.....	1	1
Hitching Weights	.....	1	1	Wood Saws, Mounted, K. D.	.....	1	1 1/2
Lead, White	.....	1	1	Wood Sawing outfits with engines, K. D.	.....	1	1 1/2
Lime Spreaders	.....	4	4	Wood Saw Parts	.....	1	1
Mandrel Sets	.....	3	3	Wood Saw Tables, K. D.	.....	1 1/2	1 1/2
Paints, Brushes	.....	1	1	Wood Saws, Rolling table	.....	1	1 1/2
Paints, Varnishes, etc	.....	2	2	Wood Saws, Shingle tables	.....	1	1 1/2
Plows, Ditching, K. D.	.....	3	3	Wood Saws, Swing table	.....	1	1 1/2
Plows, Subsoiling, K. D.	.....	3	3	Wood Splitters	.....	1	1
Pulleys, Iron	.....	3	3	Fodder Shredders, K. D.	.....	1	1
Pulleys, Wood	.....	2	2	Corn Splitters, S. U.	.....	1	1
Saw Blades, on Boards	.....	1	1	Land Rollers, wood, K. D.	.....	3	3
Shafting	.....	4	3	Tread Power (Auto Jacks)	.....	1	1
Shafting Boxes	.....	4	3				
Shaft Couplings	.....	4	3				

Freight Rates, per 100 lbs.

From	1st Class	2d Class	3d Class	4th Class	5th Class	6th Class
BELLEVILLE						
To						
ALBERTA						
Calgary	3.38	2.85	2.26	1.63	1.50	
ALABAMA						
Birmingham	1.34	1.16	1.02	.88	.71	.58
Montgomery	1.28	1.13	1.00	.84	.63	.54
ARKANSAS						
Little Rock	1.86	1.58	1.23	.93	.70	.58
BRITISH COL.						
Roseland	4.08	3.45	2.74	2.10	1.84	
Vancouver	3.83	3.33	2.77	2.37	2.00	
COLORADO						
Denver	2.46	2.03	1.56	1.19	.96	
CALIFORNIA						
Los Angeles	3.78	3.28	2.72	2.32	1.95	
Sacramento	3.78	3.28	2.72	2.32	1.95	
CONNECTICUT						
Hartford	.58	.51	.40	.31	.26	.21
New Haven	.58	.51	.40	.31	.26	.21
DELAWARE						
Dover	.53	.47	.37	.28	.23	.19
Wilmington	.47	.41	.35	.26	.21	.17
DIST. OF COL.						
Washington	.47	.41	.35	.26	.21	.17
FLORIDA						
Jacksonville	1.14	.96	.79	.59	.46	.40
Tampa	1.64	1.38	1.12	.90	.74	.66

Freight Rates, per 100 lbs.

From	1st Class	2d Class	3d Class	4th Class	5th Class	6th Class
BELLEVILLE						
To						
GEORGIA						
Atlanta	1.25	1.11	.99	.83	.67	.53
Thomasville	1.25	1.11	.99	.83	.67	.53
IOWA						
Des Moines	1.26	1.08	.86	.63	.44	
INDIANA						
Indianapolis	.62	.54	.43	.32	.27	.22
Evansville	.72	.63	.49	.37	.30	.26
ILLINOIS						
Springfield	.76	.47	.52	.39	.32	.26
Chicago	.66	.58	.46	.34	.28	.23
IDAHO						
Avery	3.78	3.27	2.62	2.13	1.90	
KENTUCKY						
Frankfort	.99	.88	.71	.54	.47	.40
Louisville	.66	.58	.46	.34	.28	.23
LOUISIANA						
Baton Rouge	1.20	1.00	.83	.66	.57	.46
MAINE						
Augusta	.58	.51	.40	.31	.26	.21
Portland	.58	.51	.40	.31	.26	.21
MARYLAND						
Baltimore	.45	.39	.33	.25	.20	.16
Cumberland	.45	.39	.33	.25	.20	.16
Hagerstown	.45	.39	.33	.25	.20	.16

From BELLEVILLE To	Freight Rates, Per 100 lbs.					
	1st Class	2d Class	3d Class	4th Class	5th Class	6th Class
MICHIGAN						
Lansing	.63	.56	.44	.32	.27	.22
Marquette	.90	.77	.63	.46	.41	.30
MINNESOTA						
St. Cloud	1.30	1.12	.88	.64	.54	
MISSOURI						
Hannibal	.76	.67	.52	.39	.32	.26
St. Louis	.76	.67	.52	.39	.32	.22
MISSISSIPPI						
Jackson	1.25	1.11	.98	.88	.74	.66
MONTANA						
Great Falls ..	3.36	2.87	2.33	1.85		
MASS.						
Boston	.58	.51	.40	.31	.26	.21
NEW YORK						
Albany	.52	.46	.36	.27	.22	.18
Buffalo	.48	.41	.35	.26	.23	.18
Rochester	.48	.41	.35	.26	.23	.18
Utica	.50	.44	.35	.27	.22	.18
N. CAROLINA						
Asheville	1.27	1.14	.99	.82	.67	.57
Raleigh	1.04	.91	.82	.54	.42	.37
N. DAKOTA						
Bismarck	2.96	1.77	1.39	1.03	.85	
N. HAMPSHIRE						
Concord	.58	.51	.40	.31	.26	.21
Plymouth	.58	.51	.40	.31	.26	.21
NEBRASKA						
Lincoln	1.51	1.28	.95	.70	.54	
NEW JERSEY						
Bridgeton	.42	.45	.40	.31	.26	.22
Trenton	.47	.41	.35	.26	.21	.17
OHIO						
Cincinnati	.58	.52	.41	.30	.25	.21
Columbus	.53	.47	.37	.28	.23	.19
Dayton	.57	.50	.39	.29	.24	.20
Portsmouth	.58	.52	.41	.30	.25	.21
Toledo	.53	.47	.37	.28	.23	.19
OREGON						
Portland	3.78	3.28	2.72	2.32	1.95	

From BELLEVILLE To	Freight Rates, Per 100 lbs.					
	1st Class	2d Class	3d Class	4th Class	5th Class	6th Class
PENNA.						
Erie	.45	.39	.34	.25	.20	.16
Altoona	.38	.31	.25	.19	.16	.14
Reading	.47	.41	.35	.26	.21	.17
Philadelphia ..	.47	.41	.35	.26	.21	.17
Lock Haven ..	.43	.38	.30	.24	.19	.16
Waynesboro ...	.45	.39	.33	.25	.20	.16
Everett	.42	.37	.30	.24	.20	.16
QUEBEC, Canada						
Quebec	.67	.59	.46	.34	.28	.24
RHODE ISLAND						
Providence ...	.58	.51	.40	.31	.26	.24
S. CAROLINA						
Abbeville	1.34	1.16	1.02	.88	.71	.58
Columbia	1.16	.99	.86	.73	.58	.46
SOUTH DAKOTA						
Watertown ...	1.54	1.33	1.04	.74	.54	
SASKATCHEWAN						
Regina	2.68	2.28	1.79	1.33	1.26	
TEXAS						
Dallas	2.23	1.92	1.56	1.35	1.07	
TENNESSEE						
Chattanooga ..	1.13	1.01	.90	.76	.61	.48
Nashville	.93	.80	.65	.47	.39	.33
UTAH						
Salt Lake City	3.58	3.09	2.56	2.07	1.72	
VERMONT						
Bennington ...	.58	.51	.40	.31	.26	.24
Montpelier ...	.68	.60	.48	.36	.30	.25
VIRGINIA						
Roanoke	.78	.69	.58	.39	.33	.27
Portsmouth ...	.66	.55	.45	.31	.25	.20
Richmond	.66	.55	.45	.31	.25	.20
Winchester ...	.45	.39	.34	.25	.19	.16
WEST VA.						
Parkersburg ..	.51	.45	.36	.27	.22	.18
Romney	.55	.48	.39	.29	.24	.20
Wheeling	.47	.42	.34	.25	.20	.17
WASHINGTON						
Seattle	3.58	3.09	2.56	2.07	1.72	1.47
WISCONSIN						
Madison	.98	.85	.68	.50	.43	

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