

PEORIA DRILLS

Peoria Drill & Seeder Co. Peoria, Ills.

35
257

80

11/10



Getting the Utmost Out of Your Soil

YOUR farm, ranch or plantation, wherever located, offers an opportunity for you to prove that there still remain in the soil those producing elements which cannot be fully put to work without the help of Peoria Drills.

Turn to pages 17, 18 and 19 of this book. Look at the facts. Read what other farmers say. Then turn the searchlight on yourself, friend, and learn whether *you* are getting the *utmost* out of *your* soil.

These are the years when it is the loyal duty of every farmer to do intensive farming. The rewards are worth while. Now, as never before, the farmer is *looked up to* by the whole of civilization. Men and nations reach out for his aid, without which the peoples of the earth must starve.

Now is the time, as never before, for the American farmer to *think!* To pay attention to his golden opportunities! To investigate what other farmers, more prosperous than he, are doing, and how they do it.

We venture the assertion that if any farmer will sit down in his home for one evening and study this book, he will know that he has been sitting in the searchlight, and he will see revealed new opportunities for further development of his soil.

United States
Agricultural License
L-000148

(Signed) C. A. Pattison, *President*
PEORIA DRILL & SEEDER COMPANY
Peoria, Illinois, U. S. A.



Plant of Peoria Drill & Seeder Company, Peoria, Illinois, U. S. A.

Exclusive Peoria Drill Features

The Wood Break-Pin (see page 13 for illustration)

As long as grain only is admitted to the grain-feeds the drive is perfection. Should any foreign substance large enough or hard enough to break either the grain-feed or the driving mechanism become lodged in the grain-feed, this Break-Pin shears and instantly removes all strains from the parts and prevents possible breakage.

The Wood Break-Pin is so located that a new pin can easily be inserted without altering or adjusting any other parts.

Convenient and "get-at-able" adjustments are provided for the indicator which regulates the sliding pinion.

Worms and Worm-Wheels

of special pitch can be furnished customers who desire to seed larger or smaller quantities than are handled by the drill as regularly equipped. These special parts are interchangeable with the ones regularly furnished.

The Disc-Shoe (see pages 3 and 5)

The Worm-Gear Drive (see page 13)

The Guarantee on Removable Disc Bearings

The following guarantee, in card form, is tacked on the cover (inside) of all Peoria Grain Drill boxes:

Mr. Farmer: We agree to furnish, *free*, f.o.b. factory, all Removable Disc Sleeve Bearings on this machine which wear out during life of Drill.

Manufactured by
PEORIA DRILL & SEEDER CO., Peoria, Illinois

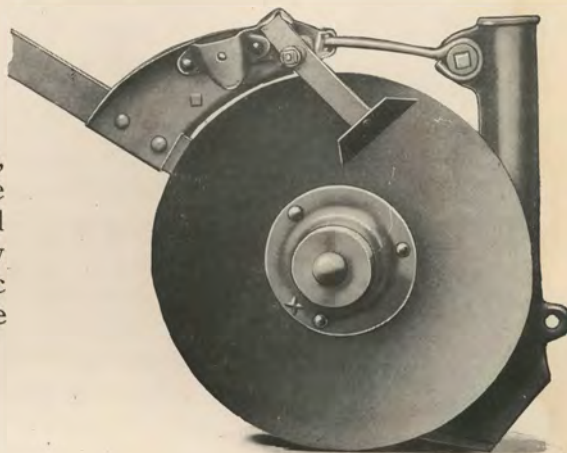
" D O N ' T O V E R L O O K T H E B E S T "

New Peoria Single-Disc Shoe

for *Front-Lift Drills*

Peoria
Disc-
Shoes

THE disc-shoe is a combination disc and shoe, embodying the single disc, for opening the furrow, cutting trash and penetrating hard ground, and the shoe, for forming the furrow and properly depositing the grain. The disc simply cuts the way; the shoe follows in the cut made by the disc and forms the furrow.



Disc-shoe, showing concave side of disc

Peoria
Front-
Lift
Drills

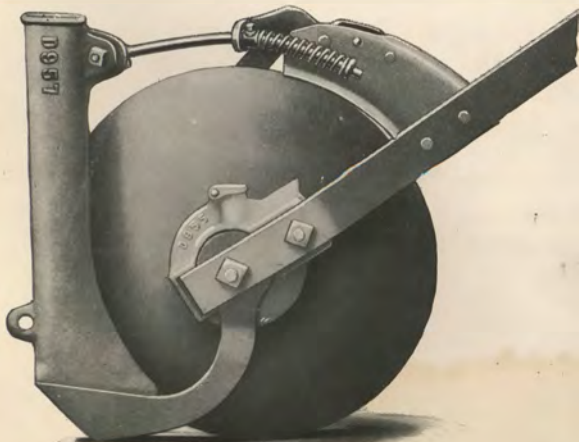
Peoria
Rear-
Lift
Drills

The forward end of the shoe is pivoted to the disc bearing and works independently of the disc. After the disc opens the furrow, the shoe follows directly behind and forms a perfect furrow and deposits the grain on a *packed* seed-bottom, which insures the seed the three essential requirements for small grain—heat, air and moisture.

Peoria
Fertil-
izers

Hitches
for
Peoria
Drills

Peoria
Broad-
cast
Seeders



Disc-shoe, showing convex side of disc



Showing all the parts of the disc-shoe

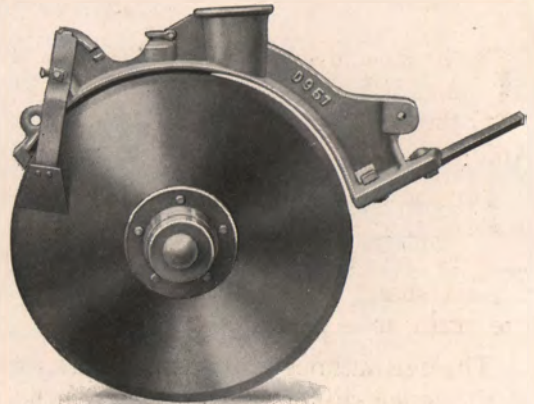
New Peoria Double Disc for *Front-Lift Drills*

TO those who prefer double-disc furrow-openers we invite careful comparison of the New Peoria Double Disc with others. The common trouble with double discs has been in the bearings, it being necessary with other makes of double discs to purchase an entirely new shank, or resort to tedious and expensive work in order to replace the bearings.

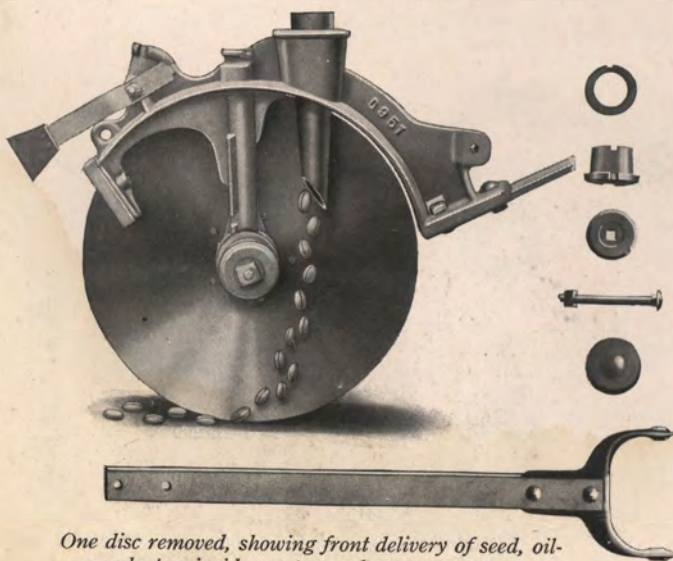
The Peoria is the only double-disc construction which permits the discs to be held tightly together in front, no matter how much the discs are worn in diameter. There are several double discs on the market which will do good work for a while, or until they open up in front; then they pick up the seed-bed, seed and all, and give all kinds of trouble.

The disc bearings on the Peoria are made dust-proof and consist of chilled-iron sleeves fastened to a boot by means of a bolt, and can be replaced by simply removing the nut—and without expense, as we guarantee them against all wear. Steel washers are used between the sleeve and the boot, so that, when the blades begin to open, one or more washers can be removed and the discs brought together, and without changing the angle. This improvement farmers have been demanding.

The deposit of the seed is in front of the bearing, so the seed comes in contact only with that part of the disc which is moving downward, insuring even distribution at the bottom of the furrow.



A complete double disc, side view



One disc removed, showing front delivery of seed, oil-conductor, inside scraper and component parts

The scrapers are of the right design to clean the discs. The inside scraper will not wear, squeak or bind the discs and cause them to slide, cut the discs or wear the edges off the blades.

Single draw-bars, made extra stiff, attach the discs to the frame, which is of the same general construction as is used on our other drills.

The disc blades are made of high-grade steel, perfectly straightened and polished—the edges ground sharp.

New Peoria Single-Disc Shoe

for *Rear-Lift Drills*

THE shoe always travels the same depth as the disc. It is impossible for loose dirt to fall into the furrow until after the seed is deposited. And no seed ever comes in contact with the disc.

Do not confuse the disc-shoe with other furrow-openers that appear similar. The New Peoria Disc-Shoe is the only disc furrow-opener with a pivoted deposit shank, or shoe, which at all times deposits the grain on a packed seed-bottom.

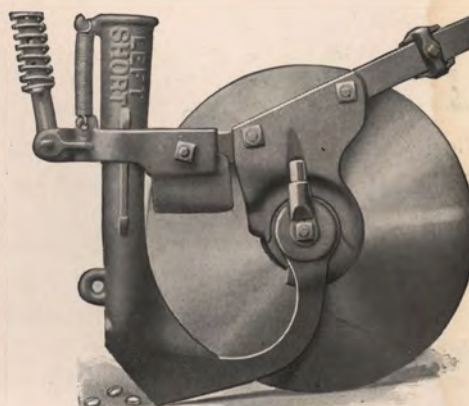
The five outlines at the left illustrate the evolution of the single-disc furrow-opener for the last twelve years and should demonstrate beyond any question

of doubt to growers of small grain that the *disc-shoe* is the only practical furrow-opener on the market today. It is better than the double disc because it does all that the double disc will do—and it does more, for it will work in places where the double disc cannot be operated.

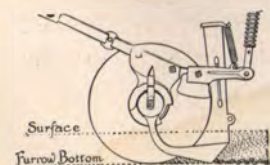
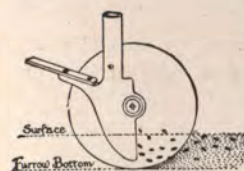
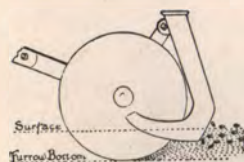
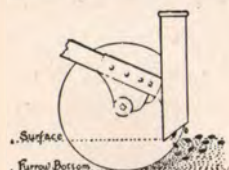
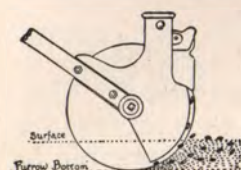
It costs less and will wear twice as long.

It is better than the hoe because it cuts trash and plants at a uniform depth. It is better than the shoe because it will work in hard and trashy ground.

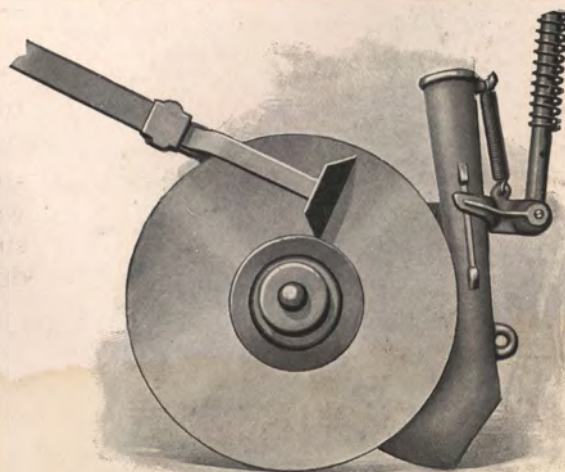
The disc-shoe is made to drill grain perfectly and not to drill part and broadcast part, as all other styles of disc furrow-openers on the market do.



Disc-shoe, showing convex side of disc



The New Peoria way



Disc-shoe, showing concave side of disc

Peoria
Front-
Lift
Drills

Peoria
Rear-
Lift
Drills

Peoria
Fertil-
izers

Hitches
for
Peoria
Drills

Peoria
Broad-
cast
Seeders

Other Peoria Interchangeable Drill Furrow-Openers

New Peoria Single Disc (Open Delivery)

The illustration at the right shows our Open-Delivery style Single Disc. We have been manufacturing this style disc for several years, and it has always proved a disc which the trade could rely upon as being capable of doing good work. We are still manufacturing it for customers who prefer the open-delivery disc.



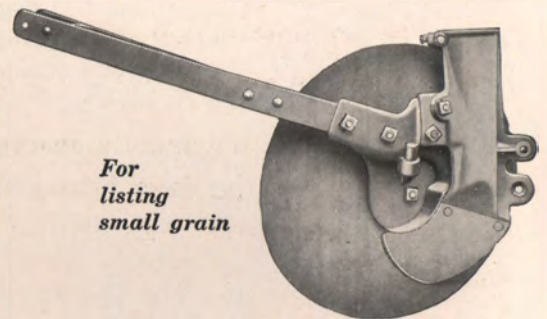
*For
rough,
trashy land*

Large (16-Inch) Lister Disc

Some considerable demand has arisen in the Southern States for a Lister Disc that could be attached to Peoria Drills for listing winter oats.

We are offering to the trade the lister disc here illustrated, which by a thorough test has demonstrated its superiority over any other lister disc on the market. It can be attached to any of the Peoria Drills and insures the farmer as nearly perfect a lister disc drill as can be manufactured. It is equipped with our guaranteed bearings.

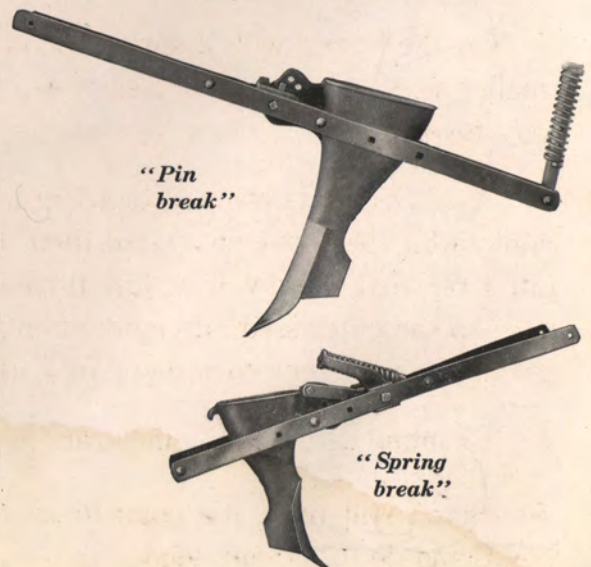
We have thoroughly tested this lister disc drill and can recommend it to all those interested in listing small grain.



*For
listing
small grain*

Interchangeable Hoes for Drop-Frame Drills

The Peoria Interchangeable Hoe for Drop-Frame Drills changes any Peoria Drop-Frame Drill to a Hoe Drill. Made with pin or spring break and straight or zigzag rank. Fitted with double points.



*"Pin
break"*

*"Spring
break"*

The New Peoria Front-Lift Drill

IN placing on the market the New Peoria Front-Lift Drill, we do so with the confidence that it is from three to five years ahead of any other drill on the market, and its important features are so strongly protected by patents that dealers may feel sure of many exclusive and strong selling points, and the farmers who purchase them can feel that they have the most scientific, practical and durable drill ever offered a farmer anywhere in the civilized world.

Special attention is called to the Drop Frame.

We are the originators of the Drop-Frame idea, and it has proved very popular.

On the New Peoria Front-Lift Drill the front of the frame is dropped without making a bend. The front legs of the box end are built up so the box sets level. This type of construction makes the frame of the New Peoria Front-Lift Drill the strongest frame known, and at the same time it is light in weight.

The ratchets in which the levers work are of steel construction. The draw-bars attach directly to the front of the frame, and each draw-bar is entirely independent, so that any one of the discs may be quickly and easily removed without interference with others.

The wheel-clutches are on the outside and are very easy of access.

On the larger drills a spring lift is provided to aid in lifting the discs. On the smaller sizes this is not necessary, as our construction makes the drill exceptionally easy to operate.

A great deal is claimed by other makers with reference to draft, but we do not think, after they have compared their draft and balance with the New Peoria Front-Lift Drill, that there will be any further claims made by them for light draft, as we have so far outclassed all competition on this feature that the argument is settled so far as we and our customers are concerned.

Examine carefully the illustrations and descriptions on the next six pages.

Better still, make it a point to *see the actual machines* at the nearest inspection point, and do it without delay.

**Peoria
Front-
Lift
Drills**

**Peoria
Rear-
Lift
Drills**

**Peoria
Fertil-
izers**

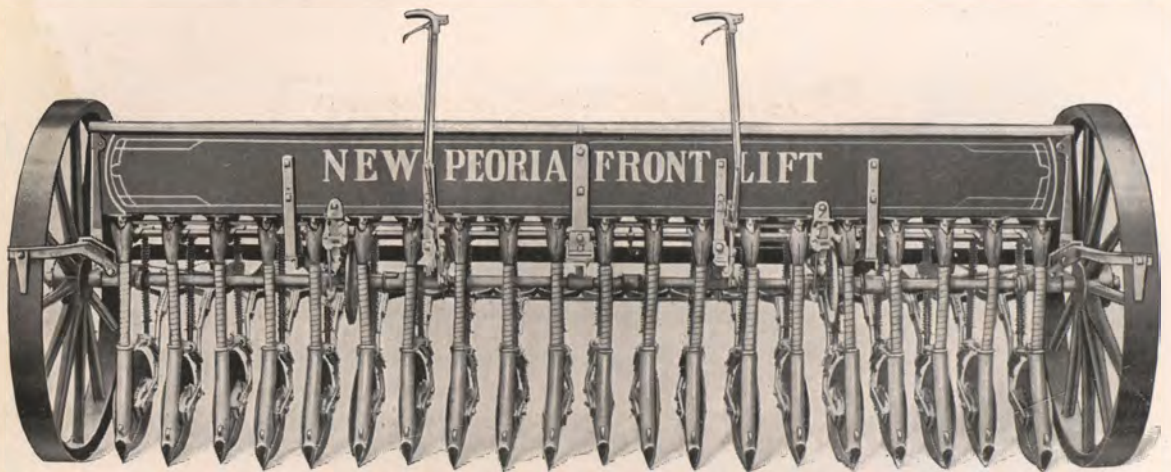
**Hitches
for
Peoria
Drills**

**Peoria
Broad-
cast
Seeders**

New Peoria Front-Lift Drills

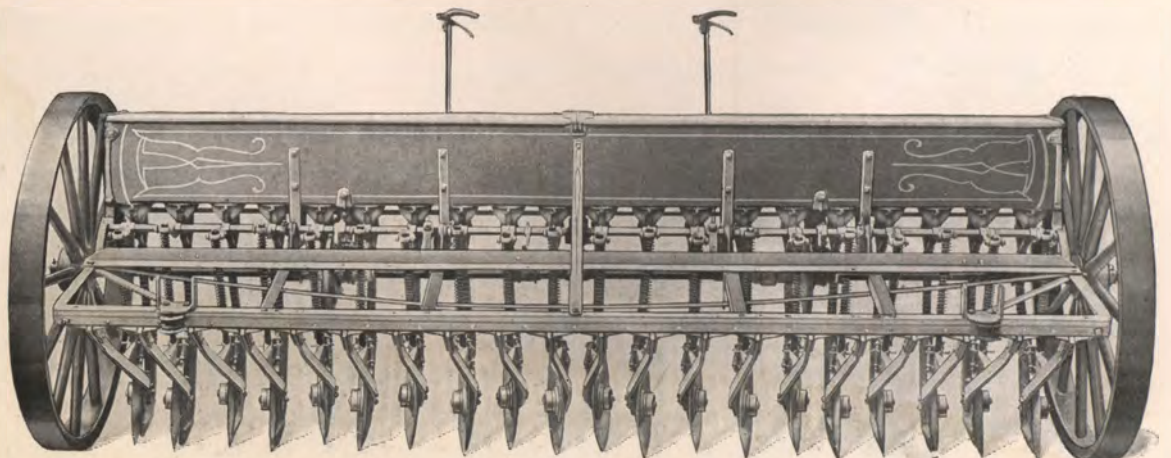
IF you are interested in the purchase of a drill which will drill all varieties of small grain in the most scientific and practical way, with the least possible power, we feel sure that you will write us for prices after carefully examining this catalog.

Two distinct types of grain drills are now being extensively used—"Front Lift" and "Rear Lift." Your attention is now invited to illustrations and descriptions of New Peoria *Front-Lift* Drills (pages 7 to 13, inclusive) and New Peoria *Rear-Lift* Drills (pages 14 to 16 and 20 to 23, inclusive).



Rear view of 20-disc-shoe 6-inch drill

Peoria Front-Lift Drills were placed on the market only after the most exacting field tests. The constantly increasing demand for them is proof of their practical value.



Front view of 20-disc-shoe 6-inch drill

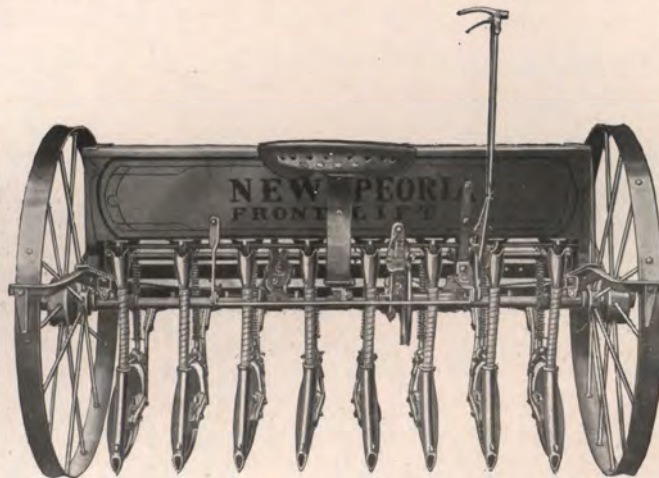
“ D O N ’ T O V E R L O O K T H E B E S T ”

New Peoria Front-Lift Drills

IN the *front*-lift type of Peoria Drills, the levers for operating are attached in the rear of the box and are connected to the rocker-shaft in front of the box.

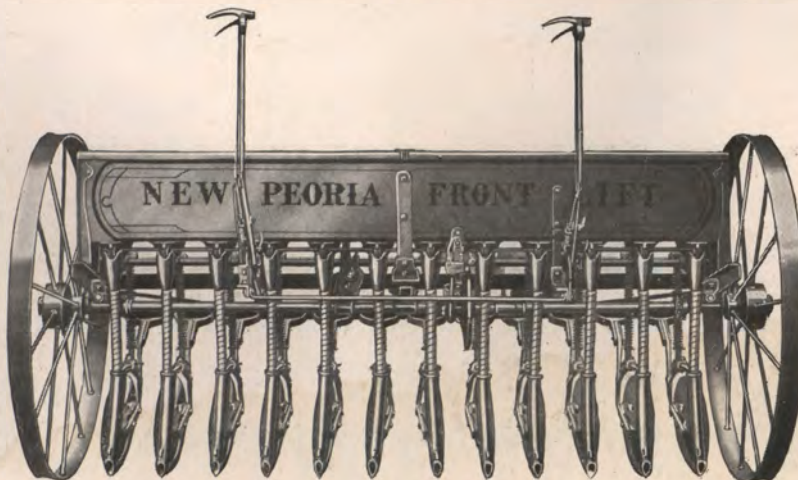
In the *rear*-lift type, the operating-levers are attached to the rocker-bar in the rear of the grain-box.

This difference is plainly shown by the illustrations on pages 11 and 20.



Rear view of 8-disc-shoe 8-inch drill

The Peoria Front-Lift Drills embody many new and practical ideas which will strongly appeal to the farmer. Note particularly the Drop Frame, the Disc-Shoe Furrow-Opener, the Grain-Feed, the Worm-Gear Drive for Feed and the Double-Disc Furrow-Opener with guaranteed bearings—all illustrated and described in detail on the following pages.



Rear view of 12-disc-shoe 7-inch drill

Peoria
Rear-
Lift
Drills

Peoria
Fertil-
izers

Hitches
for
Peoria
Drills

Peoria
Broad-
cast
Seeders

" D O N ' T O V E R L O O K T H E B E S T "

New Peoria Front-Lift Drills

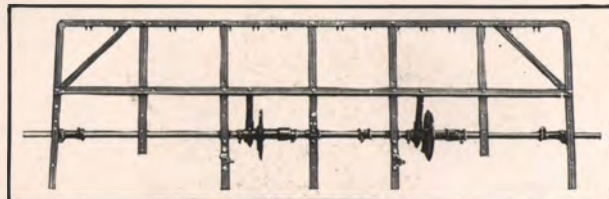
(Details)

THE high reputation of Peoria farming machinery has been built on *integrity of construction, even to the smallest details.*

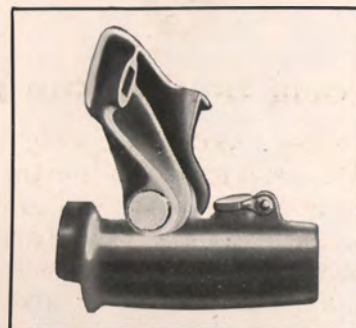
Every individual "part" is made with the utmost care, of best materials, by long-experienced skilled workers, under the strictest expert supervision.

Thus, when you buy a machine bearing the name "New Peoria," you may *rely* upon it to render long and faithful service, when used properly.

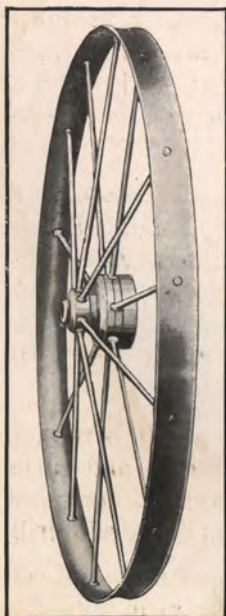
The details illustrated and described on this and other pages are typical of *all* New Peoria details. Nothing is slighted. Nothing is too small to merit infinite care in design and production. You may be *sure*, when you invest in a New Peoria machine, that you are getting the best-working machine it is possible to make.



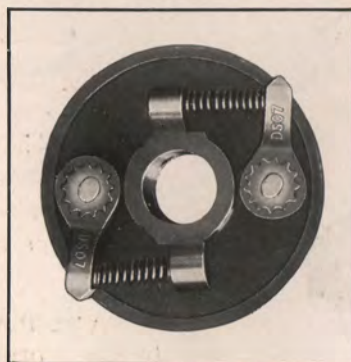
Strongest constructed drill frame made; properly braced to withstand all strain



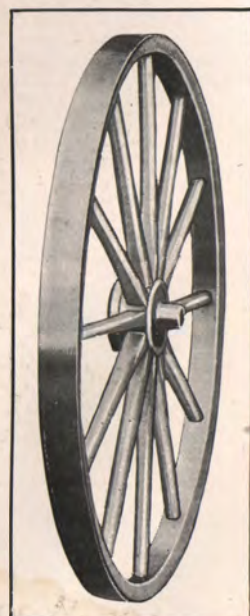
Self-aligning axle-box; easy to oil



45-inch steel wheel with outside clutch



Wheel clutch placed on outside of axle; easy of access



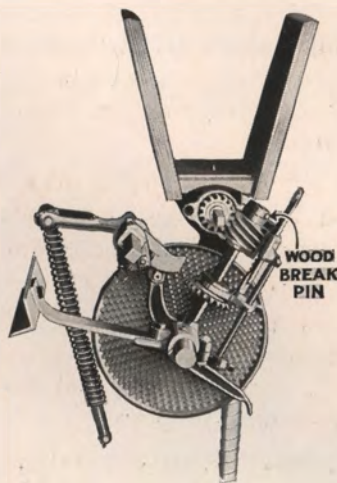
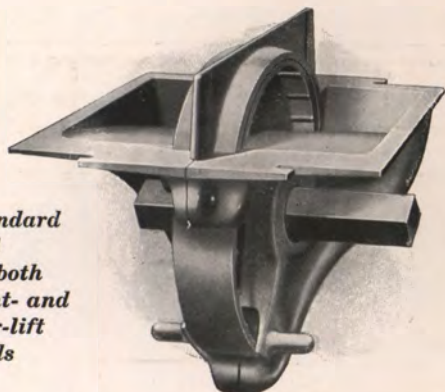
45-inch wood wheel with outside clutch

" D O N ' T O V E R L O O K T H E B E S T "

New Peoria Front-Lift Drills

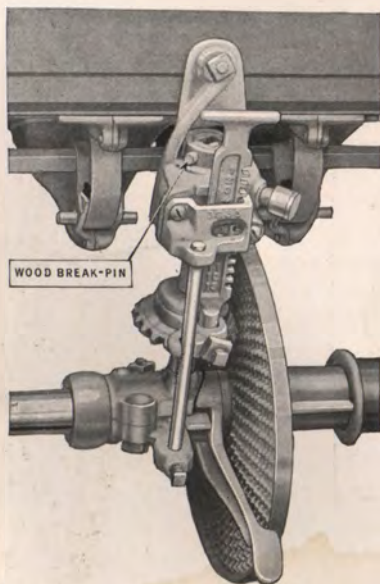
(Details)

Standard
feed
for both
front- and
rear-lift
drills



New Peoria Double-Run Feed

WE use a large feed-wheel in our Double-Run Feed, and it extends into the box to assist in agitating the grain; it also permits running the feeds more slowly, giving grain more time to lodge in feed-wheel, which insures uniformity and lessens liability of cracking the seed. Sows accurately oats, rice, corn, peas, beans, wheat and flax without bunching seed.



The Wood Break-Pin

An exclusive feature

(See page 2)

Driving and Feed-Regulating Device

TO regulate the quantity of grain which may be sown we use a multiple gear on the drill-axle. A sliding pinion mounted on a drive-shaft meshes with the different rows of cogs in this multiple gear and, by shifting the indicator, is easily and conveniently set at any of the thirteen different changes of speed, so as to cause the feeds to sow any desired quantity of grain, from two pecks to five bushels per acre.

The power is delivered to the feed-shaft by means of a worm loosely mounted on a sleeve at the upper end of the driving-shaft. This worm is held in operative relation to the sleeve and the drive-shaft by means of a *Wood Break-Pin*—an exclusive Peoria feature.

A worm-wheel on the feed-shaft is rotated by the worm on the drive-shaft and turns the feeds, giving the smoothest, strongest and lightest-running drive on any grain drill.

The worm-gear driving parts are incased in a dust-proof housing and run in grease, a compression grease-cup being provided for replenishing the supply.

Peoria
Rear-
Lift
Drills

Peoria
Fertil-
izers

Hitches
for
Peoria
Drills

Peoria
Broad-
cast
Seeders

“ D O N ’ T O V E R L O O K T H E B E S T ”

New Peoria Rear-Lift Drills

Drop frame with disc draw-bars attached direct to front, insuring strength and simplicity. Footboard running full length of drill.

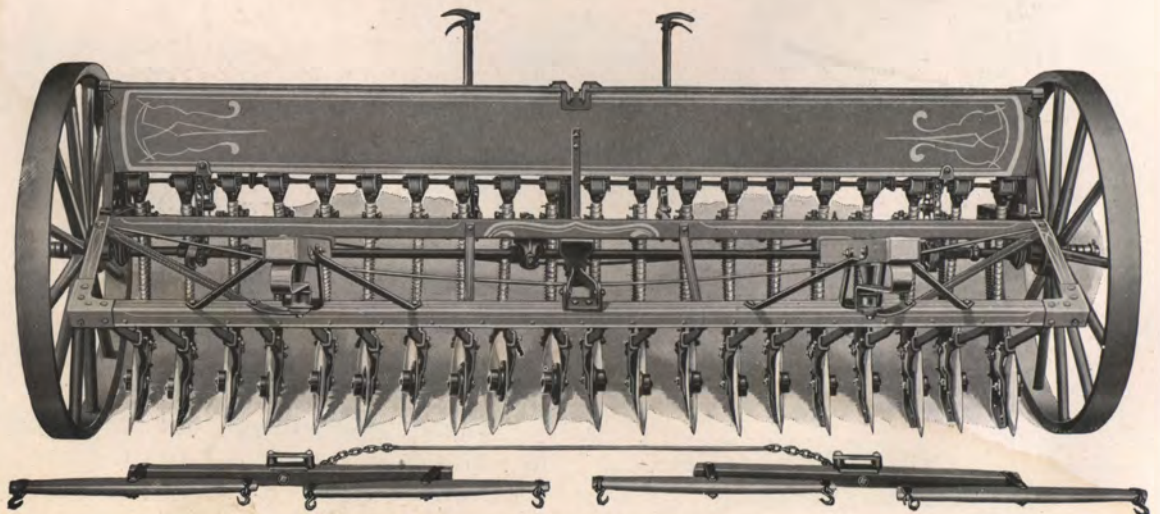
Double-run feed which will sow small grain, also peas, beans and corn, without cracking the seed.

Four feet high; double-drive ground wheels with extra long hub and wide tires.

Frames are interchangeable with disc-shoe, hoe, double discs or shoes. Tubular lift-rods. Seat or footboard if desired.



Rear view of 20-disc-shoe 6-inch drill



Front view of 20-disc-shoe 6-inch drill

"DON'T OVERLOOK THE BEST"

New Peoria Rear-Lift Drills



Rear view of 12-single-disc 7-inch drill with double levers and seat



Rear view of 20-double-disc 6-inch drill

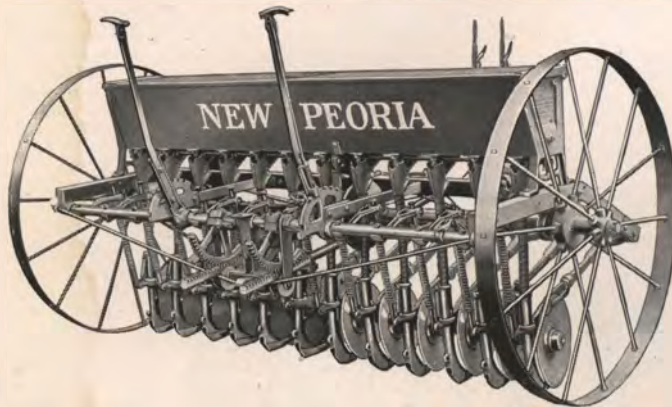
Peoria
Rear-
Lift
Drills

Peoria
Fertil-
izers

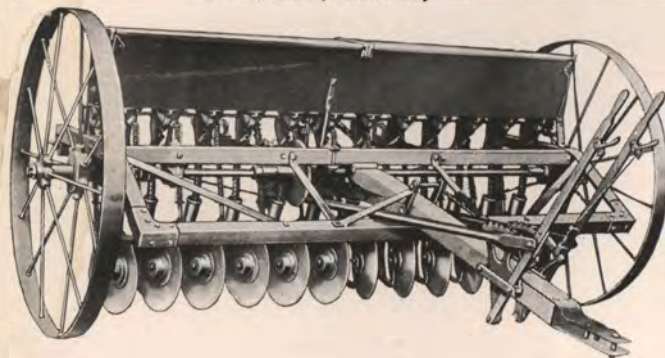
Hitches
for
Peoria
Drills

Peoria
Broad-
cast
Seeders

New Peoria Rear-Lift Drills with Tractor Hitch



Rear view of 12-disc drill, showing rocking gears which operate the drill by use of levers in front



Front view of 12-disc drill, showing front levers; convenient for operator from tractor platform

A NEW demand has arisen with grain drill manufacturers to supply suitable hitches for drills to be operated with tractors. Considerable experimenting has been done, and we were the very first to introduce a suitable arrangement for operating a drill behind a tractor.

By our method the drill may be operated from the tractor platform the same as if the driver were walking behind the drill, extra levers being supplied and placed in front of the drill convenient to the operator. This attachment does not interfere with the operation of the drill when it is desired to use the drill with horses. The illustrations at the left show the rear as well as the front view of this attachment.

We are also supplying for large drills (when ordered) a sack-rack, which permits of an extra sack of wheat being carried on the foot-board, and is held securely in place by the rack which is attached to the footboard and grain-box, giving an extra supply of seed and saving the

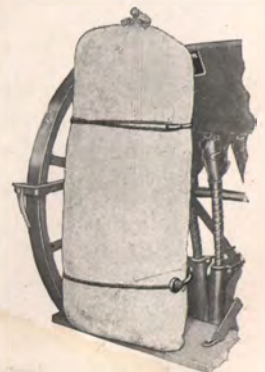
trouble of returning so often to the source of supply. Sectional views of the drill, with the sack-rack and sack attached, are shown below.

There have been some drills offered the trade with power lift which is operated by ropes, but so far none of them have proved a success. Some years ago the officers of our Company perfected a power lift for drills, but discontinued the manufacture until such time as the demand increased. We have now taken up the idea of adapting the power lift to our present type of drill and shall soon be able to supply farmers demanding the power lift with something which is practical and can be depended upon to do the work for which it is intended.

Tractor hitches, the device for operating drill from tractor platform, and sack-racks are extras for which there is additional charge made.



Sack-rack attached to foot-board and grain-box



Sack of seed attached to drill with sack-rack

Read the testimony below—and on the next two pages!

Report from the Northwest

Last year I was using a ——— grain drill to seed my ground, and while working along the right of way the team became frightened and unmanageable and ran across the tracks, breaking up the drill badly. As I was unable to get the necessary parts without sending to Portland for them, I set the broken drill aside and purchased a New Peoria Disc-Shoe Drill from your Pomeroy, Wash., agent, Mr. J. R. Stevenson, taking it out and starting to work again where I left off with the other drill. I wish to say that I was perfectly astonished at the results. When the grain was grown, the point where I had begun with the Peoria could be easily marked with the eye. The grain sowed by the Peoria was about four inches higher and at least fifteen to twenty per cent thicker. The Peoria did perfect work, and to say that I was highly pleased with the results is stating it mildly.

M. RUMMENS, Pomeroy, Wash.

It always does the work!

I have used one of your 12 x 7 Drop-Frame Disc-Shoe Drills with grass-seed attachment this spring to put in my oats and grass seed, and although part of the land was very trashy and I did not think that any drill would go through without clogging, the disc-shoe went right through and put the grain in perfectly. I had never seen a disc drill which would put all of the grain in the bottom of the furrow at uniform depth and properly cover it, and I take great pleasure in recommending the Peoria Disc-Shoe Drill to farmers for sowing their small grain, and will be glad to answer any inquiries with reference to same.

WM. F. HARTLEY, Peoria, Ill.

Got first prize for winter wheat

Last fall I sowed my wheat with a Peoria Drill, and the results were all that I could expect and more. I sowed 23 pounds of grain to the acre. The stand was so regular and the plants were so strong that I secured a good crop. In the spring I sowed barley and oats, and in both cases the work was uniform and satisfactory. I sent some of my wheat to the International Dry Farming Congress which was held at Wichita, Kansas, and was awarded *first prize for hard winter wheat against the world*. I am sure that the Peoria Drill should have its share of credit.

JOHN BOSTON, Goodwell, Okla.

Perfect satisfaction

The Peoria Grain Drill I bought of you gave me perfect satisfaction and I think it the best drill I have seen on the market. I do not think the shoe-disc feature can be beaten. It deposits the grain and fertilizer in the bottom of the furrow which the disc makes and covers the grain perfectly. I gave the drill a thorough test on clean and filthy land both, and it did its work all O. K.

S. F. KENNER, Riverton, Va.

Easy to operate

I have owned two of your wheat drills. At present I am using a 12 x 7 drop-frame New Peoria Drill. I like it better than any drill I ever saw. It is easy to operate, and the draft is light, for I pull it with two common horses. Your drop frame and heel-pressure springs, with your positive force feed, gives the best of results, in all conditions of ground. I can heartily recommend it to any one in need of a drill.

W. R. DAVIS, Rushville, Ill.

From a dealer

I have sold the Peoria combination Disc-Shoe Drills for four years, and my success has been something that I think I can justly feel proud of. The first year I sold only two, and in the four years combined I have sold 73 drills in my territory. Four years ago I sold Mr. A. J. Johnson the first Peoria Drill in my territory, and am enclosing signed statement that his drill has averaged more than 1000 acres each year, and is still doing as perfect work as when new. And his expense for repairs has not exceeded \$4.00 for the four years. Sold him a new one this spring. Last year I sold the Webber family two drills, and this spring I sold them three more.

ISAAC L. O'DELL, Eldridge, N. D.

More than paid for itself

The Peoria Grain Drill has more than paid for itself. In one season I sowed two bushels per acre of oats, while my neighbors sowed three to four bushels per acre. When we threshed, I had from five to ten bushels per acre more oats, and besides my land was not very good or else I believe I even would have had better results. I had 90 acres of oats seed; cost me 45 cents per bushel, and I sold crop from machine at 43 cents per bushel, so you can easily see how your drill has more than paid for itself in one season. There is also a great advantage in a drill in the spring, because one can prepare ground before seeding time, and therefore can get crop in at right time.

JOHN S. SHOENHAIR, Clemons, Ia.

Read this!

The Peoria Drill I bought from you does fine work and I am certainly very much pleased with the work it has done. I have drilled about 65 acres in cow peas, all my peach orchards and corn ground with fertilizer, and the crops look good after it. I have been farming sixty years and am better pleased with this drill than any I have ever had and can safely advise any one to buy a Peoria Drill if they want a good one. It is light and one pair of mules or horses will take it along without any trouble. I have done a lot of work with it and it is as good as the day I started. I am very much pleased with the Peoria Drill.

JOHN N. WRIGHT, Oak Grove, Del.

THE pivoted deposit-shank on the Peoria Disc-Shoe not only prevents seed being lost at the surface, but assures a level, even seed-bed, no matter what the depth. That means that the stalks start at the same time—mature at the same time. The Disc readily cuts trash and opens up hard ground, and the Shoe forms a furrow and deposits the seed accurately. We guarantee high efficiency at all depths. The Disc-Shoe Furrow-Opener is made exclusively by us and is covered by patents which we hold. It is the only furrow-opener made which has the deposit-shank pivoted to the disc. All other furrow-openers have the deposit-shank attached in a fixed position to the disc, and they must raise the deposit-shank above the bottom of the disc from one to two inches, because otherwise it would hold the disc out of the ground or prevent it from doing its work. Use the Peoria Disc-Shoe for any kind of grain and make the same increase in your own crops.

WE SAY IT—WE MEAN IT

The Peoria Drill, fitted with the wonderful

Makes more grain—better grain

THE pictures on these pages tell the story of the triumph of the Peoria Disc-Shoe Furrow-Opener. They were made from actual photographs taken on the farm of Horace Logan, near Lexington, Kentucky.

The Disc-Shoe is the secret, because every seed is laid in a packed seed-bed, at the very bottom of the furrow. The soil is then released, covering the seed perfectly at a uniform depth below the surface. Seed cannot be picked up by the birds or blown away by the wind.

The Disc-Shoe makes every single seed a positive factor toward a bumper crop. There is no waste. The result is larger crops from a smaller amount of seed.

Here's the FIELD!



Picture from actual photograph taken June 18, 1914, of oat field on the farm of Horace Logan, near Lexington, Kentucky. The light strips are the full stand of full-headed, fine-quality oats on the ground drilled by the Peoria. The dark strips are the backward thinner oats of poorer quality on ground drilled by the ——— drill. The left side of the field was drilled entirely by the Peoria. The same seed was used by both drills, at the same time, under exactly the same conditions.

N IT—WE PROVE IT!

erful Disc-Shoe, beats all competitors!

—uniform stand—100% good!

Here's the OATS!

**Leading farmers who saw the
field attest that the
Peoria did it!**

WE, the undersigned, hereby attest that the photographs hereto attached fairly illustrate the difference in a field of growing oats on the farm of Horace Logan, sown by the — and the Peoria Disc-Shoe Drill, one following the other, using the same seed and on the same day, both being operated under like conditions. The average difference in the height of the oats is 12 inches—besides one being very much heavier and more matured than the other. This view evidences the great superiority of the oats sown by the Peoria Disc-Shoe Drill over those sown by the — in general growth, quantity and quality.

Yours truly,

S. A. MARTIN
J. W. SHARP
HORACE LOGAN
R. S. LOGAN
R. L. PIATT
J. T. WASON
WILL BRAMBLETT
ALLEN HAMPTON

June 24, 1914.

*The Peoria Disc-Shoe
is the secret!*



The two bunches give you a close view. The Peoria-drilled oats average 12 inches higher, are much heavier, finer quality and more mature than competitor's. And the Peoria-drilled oats have this uniform excellence throughout.

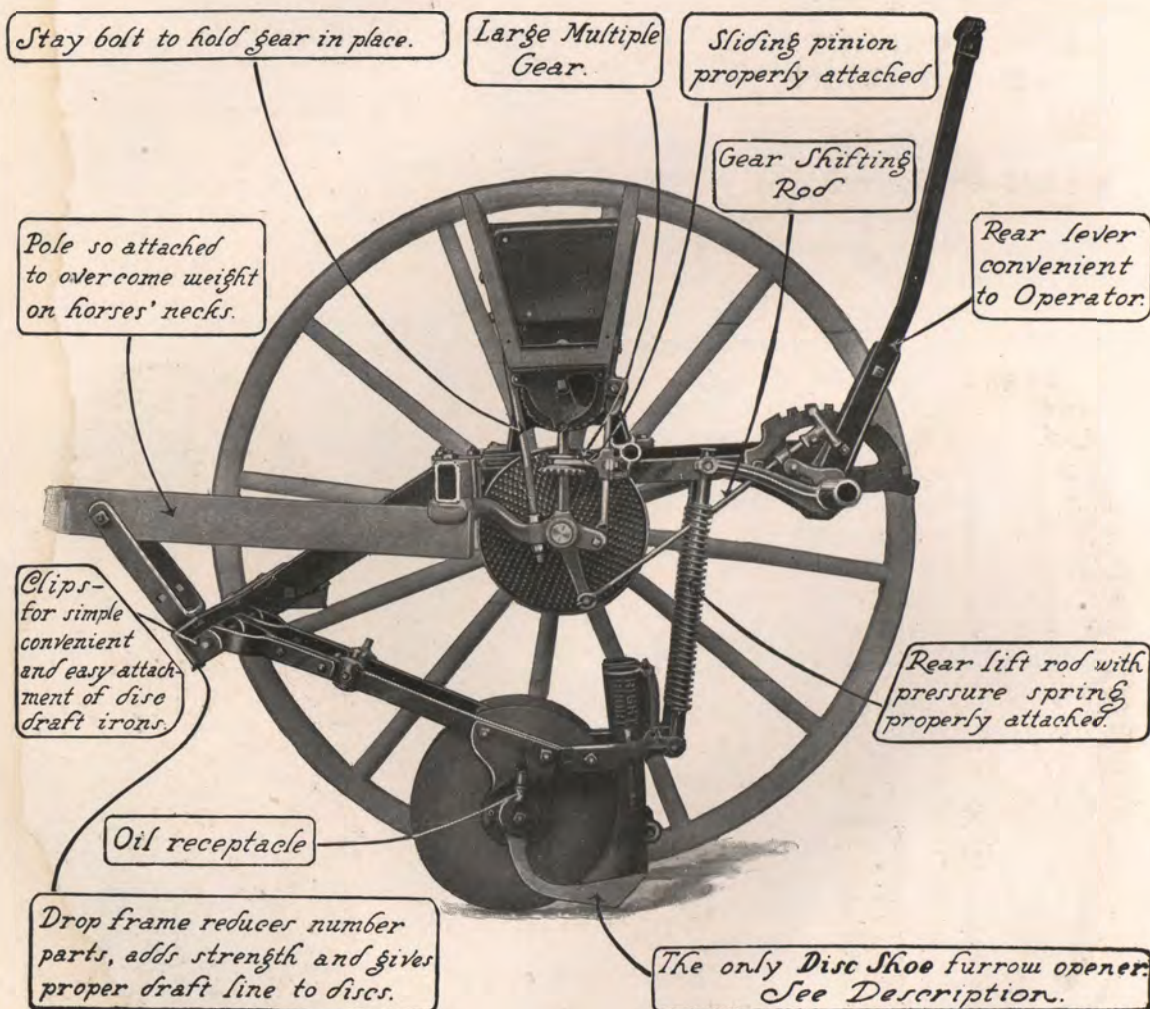
**Peoria
Fertil-
izers**

**Hitches
for
Peoria
Drills**

**Peoria
Broad-
cast
Seeders**

Peoria Rear-Lift Drill (End View)

DRILLS are now universally used in all sections where small grain is sown. Farmers have found great advantage in drilling over broadcasting. Less seed is required, and with a properly constructed drill all of the grain is deposited at uniform depth and perfectly covered. A practical grain drill must have all the features set forth in the following illustration. Some of the drills on the market have part of these features. The New Peoria has them all—and many more which we shall not take the space here to enumerate.



First: A strong frame for the foundation.

Second: Large grain-hopper equipped with a feed which will sow every variety of small grain and grass seed, also peas, beans and corn, without bunching, cracking or crushing the seed.

Third: A furrow-opener which will penetrate hard ground, cut trash and deposit the grain at uniform depth and at the bottom of a packed seed-furrow.

Fourth: An effective and easily operated spring pressure for each disc and bearings in the discs which will not wear and become wobbly during the life of the drill and will permit of the discs turning with the least resistance.

Fifth: Convenient and easy-operating levers which can be operated from the footboard or seat.

Sixth: Large, extra strong wood wheels with wide tires to transport the drill.

"DON'T OVERLOOK THE BEST"

New Peoria Rear-Lift Drill

(Details)

Sectional View of Grain Hopper, Grass Seeder and Reducers



Reducers—For sections where it is desired to sow very small quantities of grain, we simply supply reducers, which can be quickly placed in the feeds when needed.

D538 — Fits case D33, reducer for cow peas.

D540 — Stopper plate for feeds.

D543 — Fits case D33, reducer for corn.

D544 — Fits case D410, reducer for wheat.

D545 — Fits case D410, reducer for flax and other small seeds.

D545X — For alfalfa.

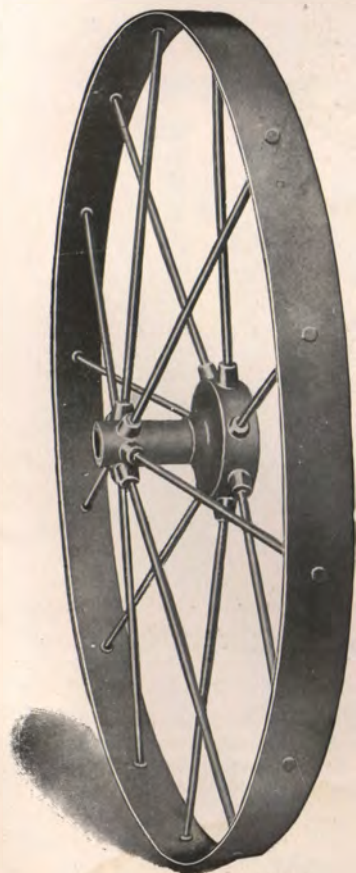
Steel Wheel

We call attention to the extra long hub and staggered spokes on our steel wheels—both necessary features for a strong wheel.

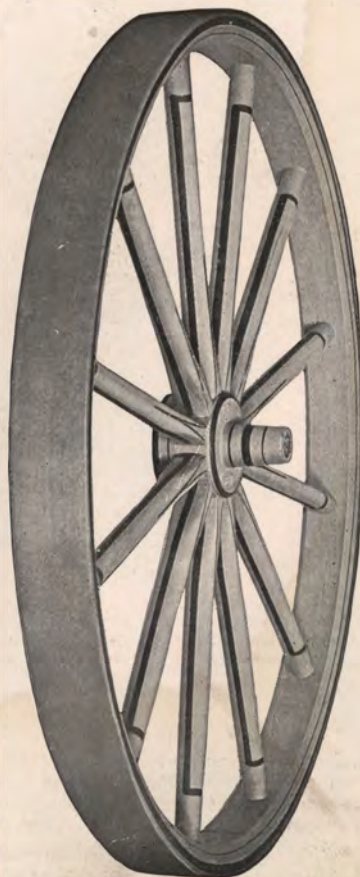
We make no wheels with tires less than 3 inches wide, and the large sizes have 4-inch tires.

Wood Wheel

The very best seasoned material is used in the construction of our wood wheels. Many sales have been made by our agents because of our splendid wheels.



48-inch steel wheel



48-inch wood wheel

Peoria
Fertil-
izers

Hitches
for
Peoria
Drills

Peoria
Broad-
cast
Seeders

New Peoria Rear-Lift Drill

(Other Details)

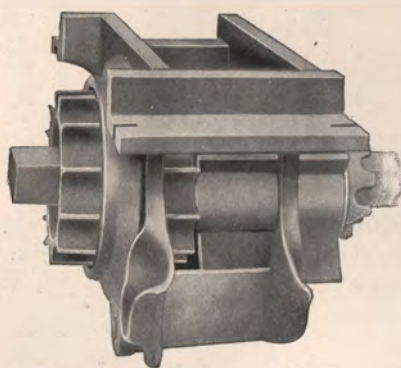
NEW PEORIA Rear-Lift Drills are regularly fitted with the Double-Run Feed, the same type as used on our Front-Lift Drill. The driving mechanism for operating the feed is necessarily a little different, as is shown in the illustration at the right.

We have some demand for the Fluted Force Feed type of feed, and we can equip our drills with this style feed, as illustrated below, when so ordered.

The Disc-Shoe is made on the same principle as those used on our Front-Lift Drills and carries the same guarantee. Detailed construction of the Rear-Lift Disc-Shoe is shown below at the right

Fluted Force Feed

The Fluted Force Feed was among the very first invented for sowing small grain. It has been used for years and is still in use by a few grain-drill concerns, and does very good work under favorable conditions if well and carefully made.



Farmers generally have demanded a feed with greater capacity and more accurate and uniform in its work, with the result that the fluted-style feed is being abandoned, and we would advise purchasers of new drills to order their drills equipped with a Double-Run Feed.

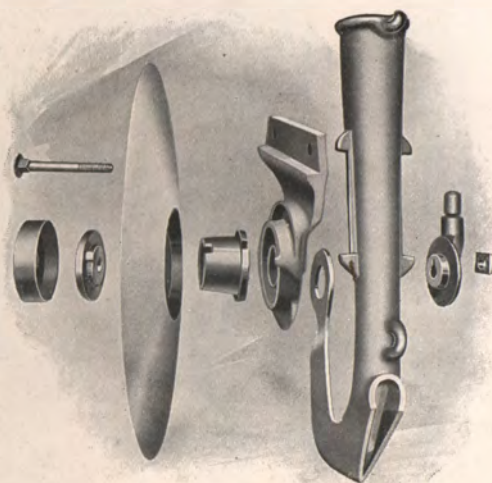
We claim for our Fluted Force Feed accuracy, durability and strength. All parts are machine-molded, which does away with the necessity of grinding and filing castings to make them fit as they should. We are prepared to furnish this feed when demanded, but regularly equip our drills with the Double-Run Feed—a better feed in every way.

Page Twenty-two

Double-Run Feed Driving Mechanism

As regularly equipped, New Peoria Double-Run Feed Drills will sow five bushels of oats per acre. To those desiring to seed over this amount we are prepared to furnish a Special Gear, No. D721, with Bracket No. D722, which will permit of sowing up to eight bushels per acre.

This new and perfect driving mechanism affords the most clocklike arrangement for intelligently sowing all varieties of small grain in desired quantities. By the simple raising and lowering of the indicator thirteen different changes of speed can be made. There is no complex mechanism; it is unnecessary to carry cog-wheels; it insures a positive force flow of the seed, and with more regularity than can be obtained from the use of any other style drive. It is fast taking the place of all other styles of seeding mechanism.



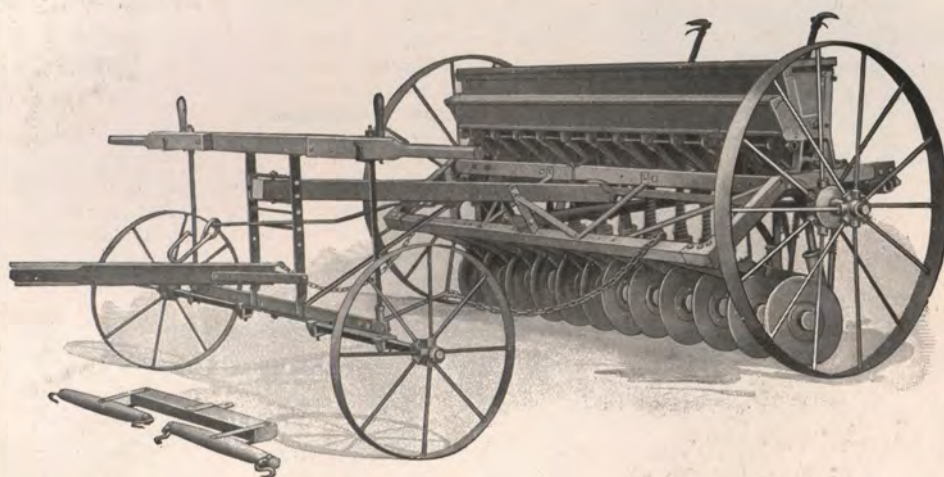
1. Steel dust-cap used to cover end of bearing.
2. Chilled washer.
3. Disc, 13¼ inches in diameter.
4. Removable chilled bearing, which we guarantee and will furnish free f. o. b. factory all that ever wear out in use.
5. Support for disc which attaches to draw-bar.
6. Combined grain-conductor and shoe.
7. Combined washer and dust-proof steel oil-cup.

" D O N ' T O V E R L O O K T H E B E S T "

New Peoria Rear-Lift Drills

(Equipped for European trade)

ON this page we illustrate one of our high-wheel drills fitted with the European-style Fore-Carriage or Steering-Truck. This attachment can be used with any of our high-wheel drills and is the most easily operated and most perfect-working fore-carriage made. It is sold as an extra and is supplied only when specially ordered.



The use of New Peoria Drills for sowing every kind of small grain and grass seed is increasing in every country in the civilized world. The saving of seed and the increased crops over broadcasting are so marked that no farmer ever goes back to broadcasting after having once used this drill.

The wonderful Disc-Shoe Furrow-Opener used exclusively on New Peoria Drills has no equal and is adapted to all soils.

We manufacture the proper sizes for all countries and can fit our drills with the Disc-Shoe, Single Disc, Double Discs, Hoes or Shoes; but we recommend for every country adapted to the use of discs the Disc-Shoe Furrow-Opener.

For countries where fertilizing is necessary we can supply the most modern Fertilizer Drill made, with exclusive features which are necessary to obtain the best results.

Peoria
Fertil-
izers

Hitches
for
Peoria
Drills

Peoria
Broad-
cast
Seeders

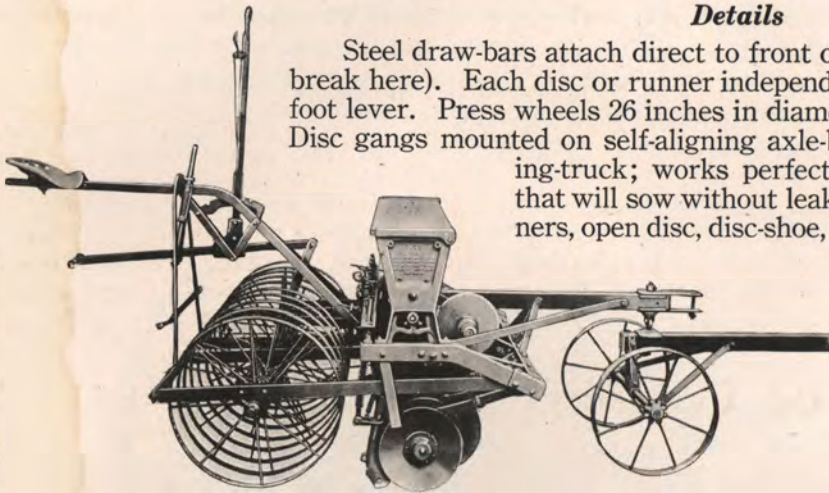
" D O N ' T O V E R L O O K T H E B E S T "

Peoria Press Drills

WE are pioneers in the building of press drills. Nearly all press drills offered the trade today were copied from press drills produced in our factory. Our long experience in the building of press drills has taught us what is the best construction, and we claim for the Peoria superiority over all other press drills.

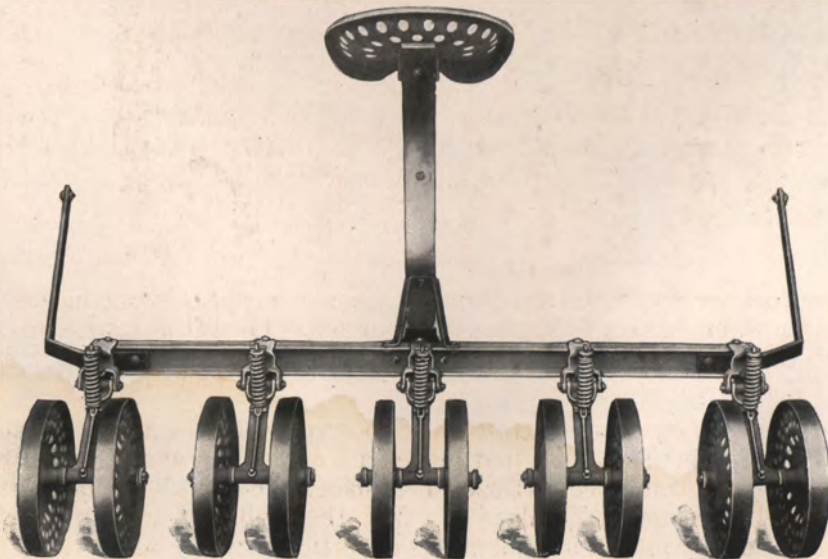
Details

Steel draw-bars attach direct to front of drop frame (no castings to break here). Each disc or runner independent. Combination hand and foot lever. Press wheels 26 inches in diameter, with 1½-inch oval tires. Disc gangs mounted on self-aligning axle-boxes. Swivel-tongue steering-truck; works perfectly, light draft. Force feed that will sow without leaking. Can be fitted with runners, open disc, disc-shoe, or front-delivery double disc.



16-disc, 7-inch
20-disc, 6-inch

Below is illustrated the Peoria press attachment for making press drills out of end-wheel drills. This attachment works independently of the drill and therefore does not cause neck-weight or reduce the pressure on the discs. It carries the weight of the driver, which gives ample pressure on all the wheels. It does not have to be lifted when turning. Wheels are webbed to prevent the catching of trash. Bearings in wheels are chilled. The attachment is made entirely of steel and iron.



Peoria press attachment for making press drills out of end-wheel drills

"Brains and Fertilizer"

THE use of fertilizer has become a necessity to modern agriculture. In overseas lands are farms which after hundreds of years of the most intensive cultivation are today more productive, more profitable to their owner, than when first broken by the plow.

The American farmer, with his once rich virgin soil, is beginning to learn that by taking everything from the ground and returning nothing he is headed straight for agricultural bankruptcy, and that every dollar spent on good fertilization is better invested than a dollar in a savings bank.

But fertilizer, to be most effective, must be mixed with brains.

And the Peoria Fertilizer Drill is offered as a logical answer to the question of how to fertilize intelligently.

With this tool the grain and fertilizer are sown at a uniform depth in a perfect seed-bottom and can be handled rapidly, effectively and economically. It will pay for itself in short order in increased crop yield and in seed and fertilizer saving. It will make your poor field your best field and save you time, labor and all of the waste and expense of other methods of fertilizing.

Peoria Union Combined Fertilizer Drill



6-disc, 8-inch
8-disc, 8-inch
10-disc, 8-inch
12-disc, 8-inch
8-disc, 7-inch
9-disc, 7-inch
10-disc, 7-inch
11-disc, 7-inch
12-disc, 7-inch

HERE is the tool for the man who wants to handle fertilizer economically. He can get just what he wants on any field or any part of any field. With this drill he can instantly ginger up the poor spots on the farm and save the price of the drill in his savings in fertilizer.

This drill is regularly equipped with the disc-shoe, our special improved double-run grain-feed and improved Star fertilizer feed, and makes a combination which has proved itself the best and most economical combined fertilizer drill made. The Peoria Union Combined Drill is the last word in drill perfection. Think of it! With this drill, and without an additional part, seventy different gradually increasing quantities of fertilizer can be sown.

We recommend this drill to handle perfectly any kind of fertilizer made.

(Continued on next page)

**Peoria
Fertil-
izers**

**Hitches
for
Peoria
Drills**

**Peoria
Broad-
cast
Seeders**

“Brains and Fertilizer” (Continued)

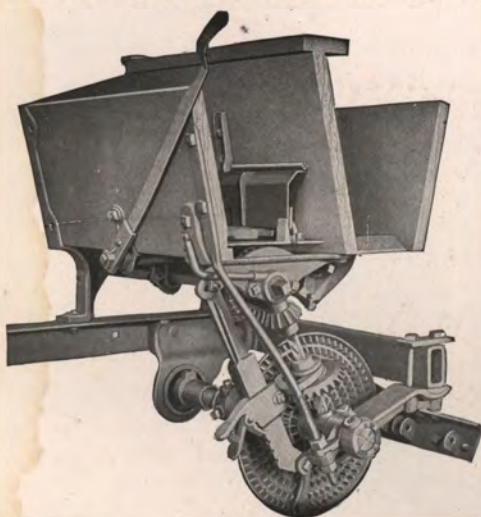
(Details)

THE entire fertilizer feed can be easily and quickly removed for cleaning and cannot be put together wrong. Best of all, you have a tool that, in all the world, is unequaled as a grain drill. It will give you absolute accuracy, a perfect seed-bed at any desired depth and no waste of seed.

Can be supplied with single discs, open shank, double discs, shoes or hoes in these sizes:

6-disc, 8-inch	10-disc, 8-inch	9-disc, 7-inch	11-disc, 7-inch
8-disc, 8-inch	12-disc, 8-inch	10-disc, 7-inch	12-disc, 7-inch

This combination makes fertilizing an exact science. It is the logical answer to the question of how to drill fertilizer intelligently.



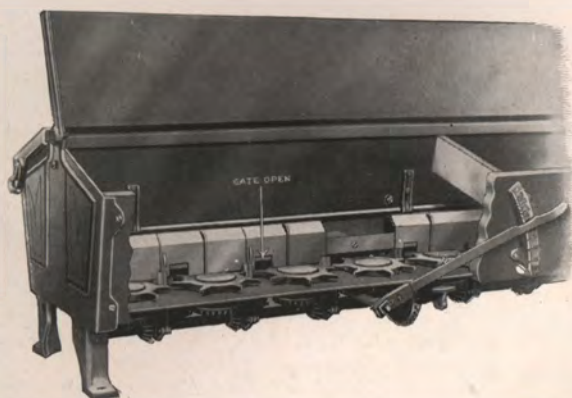
Driving Mechanism

This new perfect driving mechanism offers the most clocklike arrangement for intelligently placing fertilizer just where it will do the most good. By the simple raising and lowering of the indicator seventy different changes of amounts of fertilizer may be sown. There is no complex mechanism. It is unnecessary to carry extra cogwheels. We are giving you the same popular, successful mechanism for sowing fertilizer that has for years been used so successfully on the grain-feed of Peoria Drills. We are putting you in shape to make every penny spent for fertilizer come back to you in dollars through increased yield.

Quantity Instantly Increased

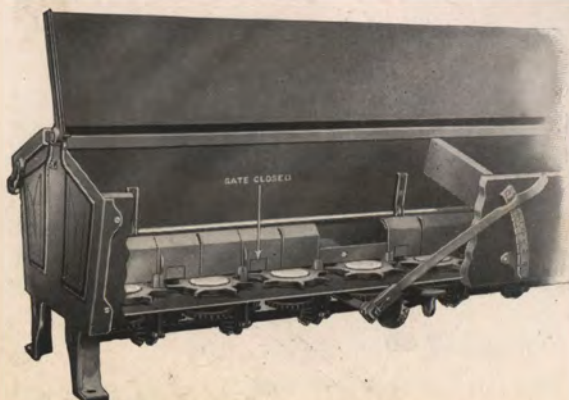
When you come to a part of the field where you want extra fertilization, a simple movement of the lever shown at the right enables you to open the gate-bar and increase the amount of fertilizer.

This means uniform yields, real profits.



Quantity Instantly Decreased

Another movement of the little lever closes the gate-bar and decreases the amount of fertilizer sown. This enables you to stop waste, to put every pound of fertilizer just where you want it, to insure big, uniform yields.



"Brains and Fertilizer" (Concluded)

Peoria Union Drill

HERE'S where you can save a little money by looking ahead and foreseeing your requirements. You will soon need a fertilizer distributor, because you must use fertilizer if you are to get full crops.

The Peoria Union Drill is so made that you can equip it with a fertilizer attachment at a slight additional cost, now or any time later.

We recommend this style drill especially where the use of fertilizers is just commencing and to those who contemplate sowing fertilizer in the future.



8-disc, 8-inch
10-disc, 8-inch
12-disc, 8-inch
10-disc, 7-inch
12-disc, 7-inch

Note the illustration. This equipment can be quickly attached to any Peoria Union style plain drill, and in doing so you can save time, money and labor.

The Fertilizer has the Marks style feed. It is highly recommended.

This makes an ideal combination for you. If you are at all doubtful about the use of fertilizer, and if you want to do a little experimenting, try it with the Peoria Union. It will convince you.

It will put the fertilizer right where you want it, and in the proper quantity for the desired results.



Hitches
for
Peoria
Drills



Peoria Union Drills differ only from the New Peoria in the depth of the frame.

Peoria
Broad-
cast
Seeders

New Peoria Fertilizer Sower

PROGRESSIVE farmers have demanded a machine that would distribute evenly *all* the different kinds of fertilizers—one that could not clog, one that would absolutely prevent caking, no matter what fertilizer was used.

This demand has grown greater and more insistent each year. Middle-Western farmers have repeatedly asked for a machine that would furnish an economical and truly uniform distribution of such fertilizers as lime, phosphate and potash.

More than three years ago we engaged a corps of experts to solve this problem. We sent these men into districts where fertilizers have been used for years. They went out and got first-hand information right on the farms. They investigated all the troubles the farmers were having with all the fertilizer distributors made.

Using their reports as a basis, our mechanical experts perfected the New Peoria Fertilizer Sower, which is illustrated and described in these pages.

We have tried out the New Peoria Fertilizer Sower to the limit, right in the field. We have made it demonstrate, in actual service, every claim of superiority we make. We can most emphatically recommend it to meet every requirement of distributing any and *all* kinds of fertilizer.

The Peoria Distributer is not a makeshift consisting of a box, a pair of wheels, of cumbersome and heavy draft, with agitators to stir the materials, but a special machine built on the right principle of construction for distributing all varieties of fertilizers uniformly and economically.



PHOTO TAKEN ON IRON AGE FARM, GRENLOCK, N.J.

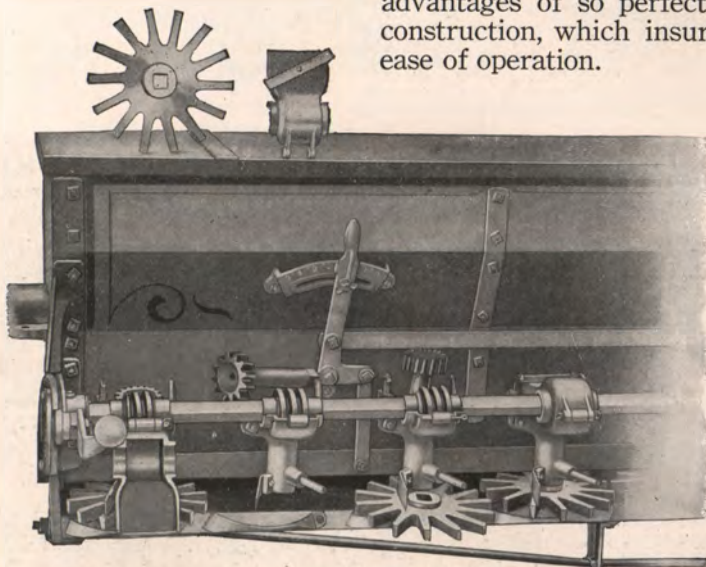
New Peoria Fertilizer Sower

BELOW we show a sectional view of the box, with one feeder and cover case for the worm-gear drive removed.

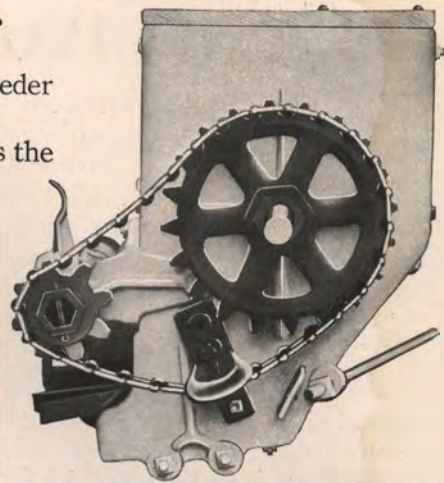
By simply removing the small lever which fastens the gear case it may be opened, the spur gear lifted and the feeder removed for cleaning. This may be done when the box is full or empty.

Any suitable cup or axle grease can be used to lubricate the gear for driving the feeders, and the cover, which is held tightly in position by the small lever fastened to the top, not only retains the oil in the case, but prevents dust and dirt from entering it.

Every practical farmer should appreciate the many advantages of so perfect a construction, which insures ease of operation.



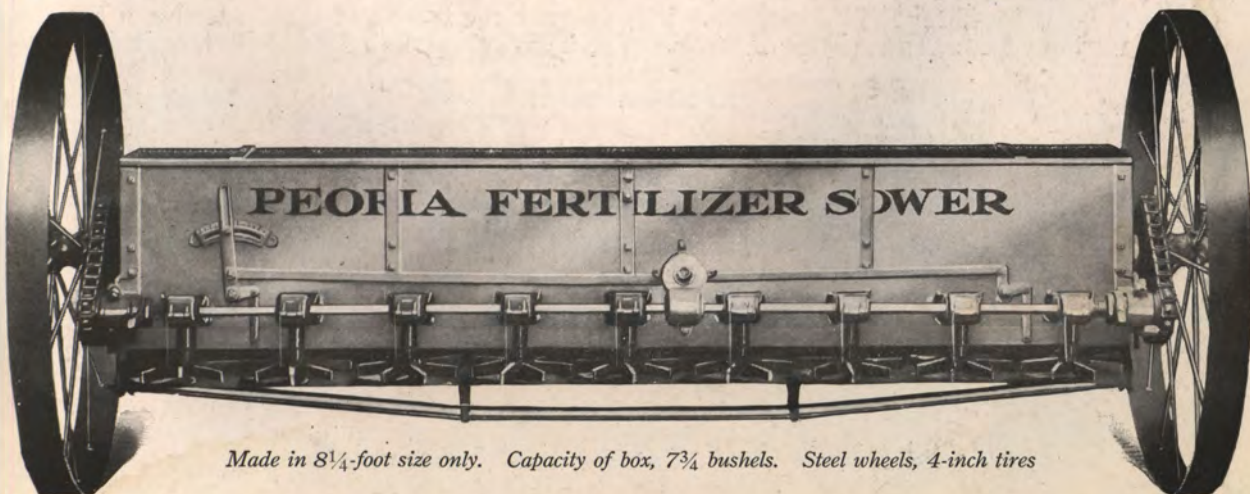
Sectional view of box, with cover case and one feeder drive removed



End view, showing construction of driving mechanism

The above illustration is an end view showing the construction of the driving mechanism with the gear cover removed. The sprocket wheels may be easily changed.

This method of driving, in combination with the worm-gear feeder drive, has demonstrated by test that it is the very best, both from a point of power and that of obviating the annoyance and expense so frequently occasioned with the bevel-gear drive or the paddle-wheel type of distributors.



Made in 8¼-foot size only. Capacity of box, 7¾ bushels. Steel wheels, 4-inch tires

Hitches
for
Peoria
Drills

Peoria
Broad-
cast
Seeders

" D O N ' T O V E R L O O K T H E B E S T "

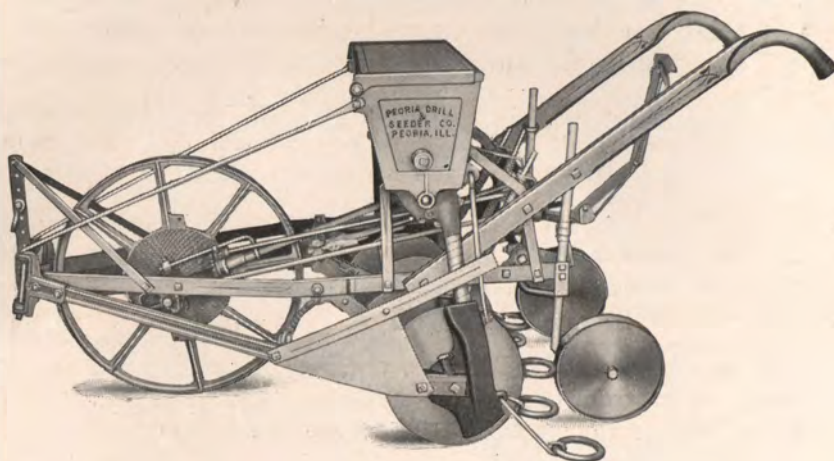
Peoria One-Horse Disc Drills

Double-run grain feed

Fitted with grass-seed attachment when so ordered

Can be supplied either with or without truck wheels

Plain or fertilizer



New Peoria five-disc drill, with truck wheels and double-run feed

THE Peoria One-Horse Drill is in great demand. You should be prepared to supply your trade, and have the agency for the drill which has proved by repeated field tests that it will save seed and increase crops.

The Peoria saves seed because it is fitted with the double-run feed, which can be depended upon to sow every variety of grain accurately, without cracking or crushing the seed.

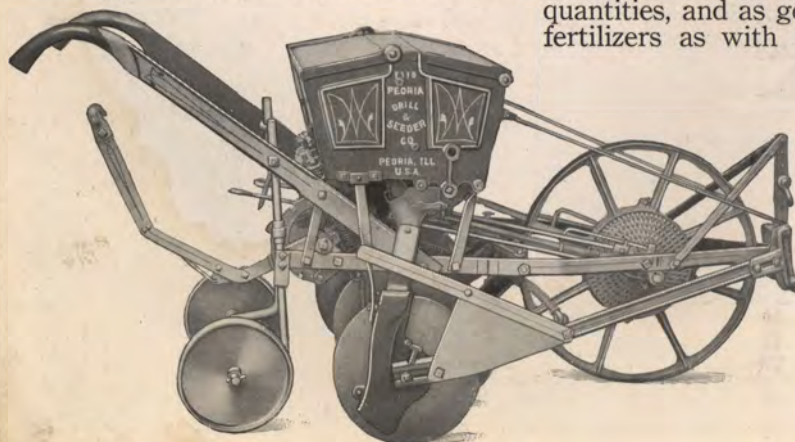
The closed deposit-shank carries the grain to the bottom of the furrow, where it is properly covered. No grain comes in contact with the discs. The discs are fitted with dust-proof bearings, which we guarantee to furnish free any that ever wear out. Each disc is independent and has spring pressure—a necessary feature for uniform depth and perfect covering of the grain.

Peas, beans and corn can be sown in any desired quantity. This drill does not have to be lifted in turning at the end of the field. The depth can be regulated by the lever provided for the purpose.

The discs have the proper angle for cutting trash and penetrating hard ground. Fenders on the outside of the discs insure against cutting the standing corn and prevent the accumulation of trash.

It is the lightest-weight drill on the market, and therefore it has the lightest draft.

The five-disc Fertilizer Drill shown here is fitted with the double-run grain feed and the star-type fertilizer feed. All varieties of fertilizer can be sown, whether damp or dry, in desired quantities, and as good work can be done in sowing fertilizers as with a large drill. This machine is nearly a hundred pounds lighter than some other drills on the market and can be handled easily by one horse.



A grass-seed attachment, which attaches to the front of the machine, can be supplied at small extra charge.

The discs and bearings are the same as are furnished on the plain drill, and we can recommend this machine to the most skeptical without fear of complaint.

Hitches for Peoria Drills

MUCH depends, in the successful operation of a grain drill, on the hitch to be used. In making Peoria Hitches we have had in mind simplicity in construction and strength.

In assigning the different hitches for the different sized drills, estimate on the horse-power has been made with reference to the ordinary sized farm horse. It is not necessary, nor practical, for the farmer to operate a two-horse drill with a four-horse hitch, nor a four-horse drill with a two-horse hitch.

Drills running from sizes 6 to 11 can be operated with two horses, the intermediate sizes with three or four horses, and the larger sizes, 20 to 24 inclusive, with four to six horses. A good deal depends upon the size of the horses to be used and the condition of the soil.

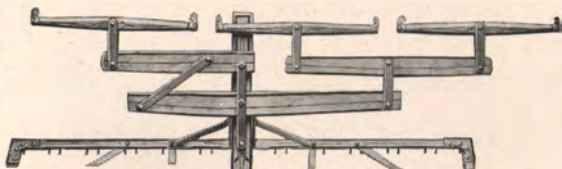
A little painstaking on the part of the farmer to see that his team is hitched securely, and not too far from the frame of the drill, that his drill-frame is level and the neckyoke straps are taut, will produce much better results and lighter draft.



Two-horse hitch, center pole



Four-horse evener hitch, center pole



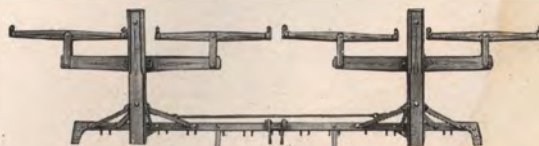
Special three-horse hitch, center pole



Three-horse chain equalizer hitch, two poles



Four-horse evener hitch changed to three-horse hitch, pole set to side of drill



Four-horse chain equalizer hitch, two poles



Six-horse chain equalizer hitch, two poles

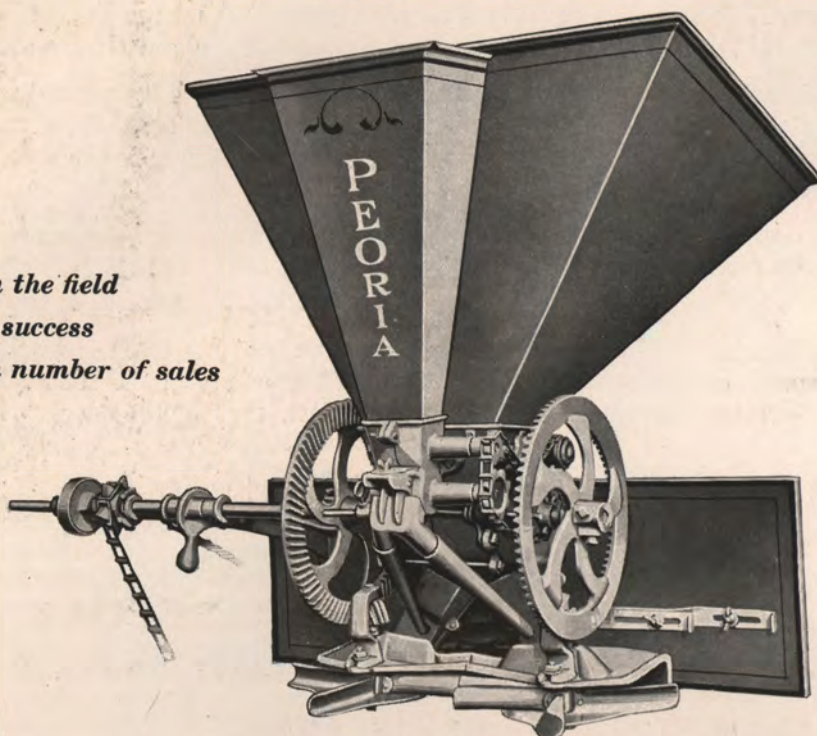
Hitches
for
Peoria
Drills

Peoria
Broad-
cast
Seeders

"DON'T OVERLOOK THE BEST"

Peoria Broadcast Seeders

First in the field
First a success
First in number of sales



Patented February 21, 1905, and April 25, 1905

This is the seeder that has created the demand for double seeders. It has a positive force feed, not an auger feed, to give trouble in bunching and clogging.

Casts

Timothy	30 feet wide	Alfalfa	45 feet wide
Clover	45 feet wide	Rye	60 feet wide
Oats	45 feet wide	Barley	65 feet wide
	Wheat	65 feet wide	

Important

As a novelty in gear construction we have extended the principles of the helical gear to the bevel-and-miter wheel. These gears represent the projection of a helix upon a cone, the advance of the teeth being equal to one pitch, embodying the principles of *constant perfect driving contact and noiseless action*. The curving of the teeth is the natural result of the mechanism and is due to the decrease in diameter. It is the most expensive gear we could build, but the cheapest for the consumer, because the double contact of the teeth makes it almost impossible to break them, and we have never known of their wearing out.

There are more Peoria Seeders in use than all others combined.



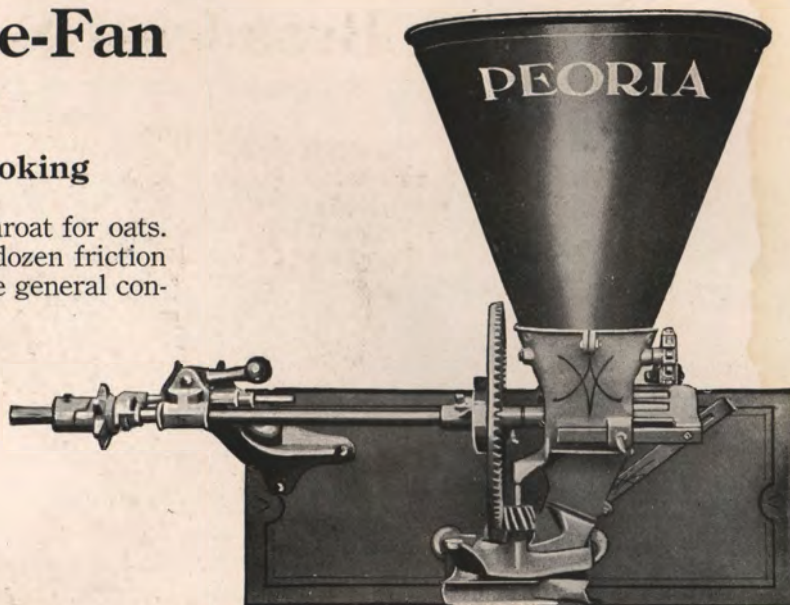
*Noiseless gear used exclusively
on Peoria End-Gate Seeders*

" D O N ' T O V E R L O O K T H E B E S T "

Peoria Single-Fan Seeder

Force feed—no choking

THIS seeder has a large throat for oats. It will easily outwear a dozen friction drives. It is of the same general construction as a double seeder. Has the simplest wind-shift ever put on an end-gate seeder. When using the Peoria Single-Fan Seeder no space is left unseeded by slipping of the gear.



Union Jr. Broadcast Seeder

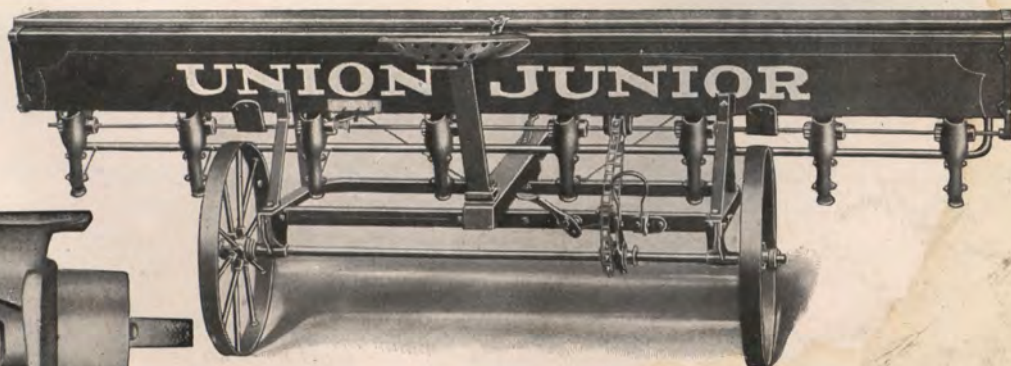
A first-class seeding machine in every respect

THE inside of the grain-box has a metal bridge, sloping toward the force feed, which insures a regular flow of the seed. The feed is positive force and has ample capacity to sow in as large amounts as desired.

The spring seat is so arranged that it is convenient to the operator as well as comfortable.

The scattering-spouts outside of the frame are attached to a shield-bar, thus obviating the use of break-pins and preventing breakage of spouts.

**A Reliable
and
Positive
Force
Feed**



The very best steel wheels are put on all our seeders.

There is no weight on the horses' necks, the driver's seat being placed far enough in the rear to make a perfect balance. The seat is adjustable and can be regulated to suit the weight of the operator. Made in 11- and 14-foot sizes.

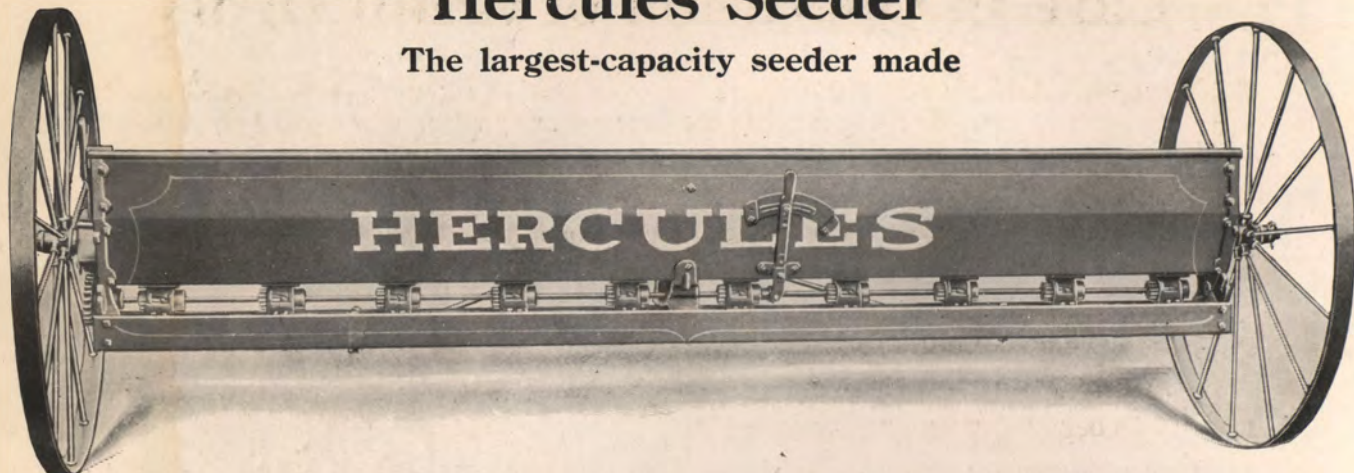
Partly open. Sowing medium quantity. Always in full view of the operator.

**Peoria
Broad-
cast
Seeders**

“ D O N ’ T O V E R L O O K T H E B E S T ”

Hercules Seeder

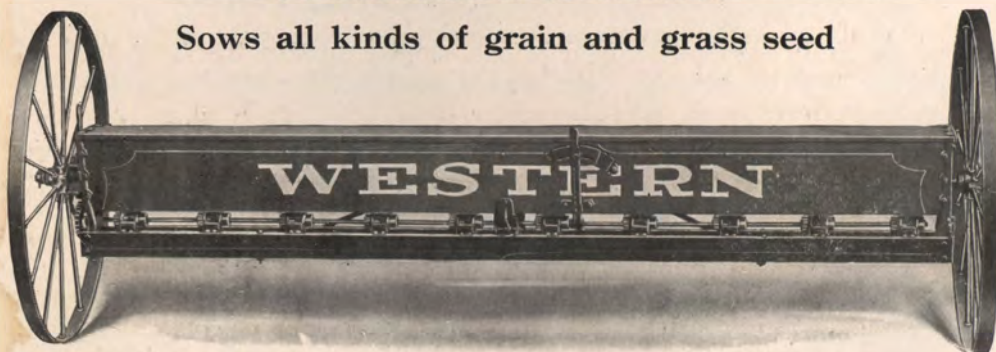
The largest-capacity seeder made



Well made and nicely finished. Extra large box: capacity, $6\frac{1}{2}$ bushels. Force feed. 48-inch steel wheels. Force-feed grass attachment. Made in 11-foot size.

Western Seeder

Sows all kinds of grain and grass seed



The capacity for sowing large quantities of oats is ample and the arrangement for adjusting the quantity is simple and accurate.

The feed is reliable and positive force. The discharge is low, thus obviating any difficulty in windy weather.

The scattering-spouts are short and are attached to bottom of box.

Wheels are steel, 48 inches high, $2\frac{1}{2}$ -inch tread.

A reliable grass-seeder attachment may be purchased with the seeder or can be furnished at any future time. Made with or without cultivator attachments in $8\frac{1}{2}$ - and 11-foot sizes.

Care in Operation of Grain Drills

TO manufacture a modern grain drill the very best of skilled labor is needed, and the majority of users do not appreciate the splendid mechanism in an up-to-date grain drill.

It is expected that a grain drill will not only drill the grain, measure the land over which it passes, regulate the amount to be sown of the many different varieties of grain, but will properly cover the grain and be easy of operation so that a boy old enough to drive a team can operate it.

The New Peoria Drill, properly set up and well oiled before going into the field, can easily be operated by any one who can drive a team.

We mention below a few of the points which should be given attention by the users of grain drills before starting into the field:

Before placing the grain in the grain-box, jack up the drill and turn the feed to see that there is no foreign matter lodged in the feed-cups. Under all conditions screen the seed before placing it in the drill. *Do not* place bolts, nuts, nails or any other parts inside of the grain-box. Be sure that the horses are hitched so that the top of the grain-box is level, and see that the singletree hooks and hitch-pins are secure. Be sure that the drill is well oiled and greased. *Do not* go into the field without an oil-can, a suitable wrench and a pair of pincers.

When the land is dry it is not necessary to use the scrapers. The draft is considerably reduced when not using scrapers.

Be sure that all nuts are made tight, and kept tight. The vibration of the drill in going over rough land has a tendency to loosen nuts.

When operating fertilizer drills, be sure to remove all of the fertilizer from the fertilizer-box when you have finished using the drill for the day, or cover the drill with proper canvas, as the caustic tendencies of fertilizers will give trouble if attention is not given to this point.

After you are through with the drill for the season, all grain should be removed from the grain-box, all grass seed from the grass-seed box and all fertilizer from the fertilizer-box. The discs should be cleaned and greased before they are put away. By removing the pole from the drill, the machine can be placed in a shed, taking up but little room. Before storing the drill see whether any new parts are needed for next season, and if so order them at once, so as to have the drill ready for the coming season.

In ordering new parts for a drill be sure to order them by number. If it is not possible to distinguish the number, a sketch of the part should be sent with the order, unless it is possible to describe it fully. It is always well to state the year in which the drill was purchased when ordering parts.

Bear in mind that there are some conditions under which no drill can be expected to do good work, and a few hours' delay in going into the field will oftentimes gain time in the end. New Peoria Drills will work under any and all conditions under which any other drill can be expected to do good work, and in many places where other drills cannot be operated.

Please bear in mind that New Peoria Drills are built with the view of lasting a lifetime if the farmer will give them the proper care. We often sell repairs for drills which have been in the field for twenty-five to thirty years.

Valuable Information

How Much to Plant per Acre

Barley	2½ bushels
Beans, in drills, 2½ feet	1½ bushels
Beets, in drills, 2½ feet	9 pounds
Broom-corn, in drills	12 pounds
Cabbage seed, for transplanting	12 ounces
Clover, large red, with timothy	12 pounds
Clover, large red, without timothy	16 pounds
Corn, sugar	10 quarts
Corn, field	6 quarts
Cucumbers, in hills	3 quarts
Flax, broadcast	20 quarts
Grass, timothy, with clover	6 quarts
Grass, timothy, without clover	10 quarts
Grass, orchard	25 quarts
Grass, blue	28 quarts
Melons, water, in hills, 8 x 8 feet	3 pounds
Oats, drilled	2 bushels
Oats, broadcast	3 to 4 bushels
Onion seeds, in beds, for sets	50 pounds
Parsnips, in drills, 2½ feet	5 pounds
Pumpkins, in hills, 8 x 8 feet	2 quarts
Peas, in drills, short varieties	2 bushels
Peas, in drills, tall varieties	1½ bushels
Peas, broadcast	3 bushels
Potatoes	8 bushels
Radishes, in drills, 2 feet	10 pounds
Rye, broadcast	1¾ bushels
Rye, drilled	1½ bushels
Turnips, in drills, 2 feet	3 pounds
Turnips, broadcast	3 pounds
Tomato seed, in hills, 3 x 3 feet	8 ounces
Wheat, drilled	1¼ bushels
Wheat, broadcast	2 bushels

Square Measure

144 square inches equal 1 square foot.
 9 square feet equal 1 square yard.
 30¼ square yards equal 1 square rod or perch.
 40 square rods equal 1 rood.
 4 roods equal 1 acre.
 640 acres equal 1 square mile.
 36 square miles (6 miles square) equal 1 township.

Minimum Weights of Produce

The following are minimum weights of certain articles of produce according to laws of the United States:

Wheat	60 pounds per bushel
Corn, in the ear	70 pounds per bushel
Corn, shelled	56 pounds per bushel
Rye	56 pounds per bushel
Buckwheat	48 pounds per bushel
Barley	48 pounds per bushel
Oats	32 pounds per bushel
Peas	60 pounds per bushel
White beans	60 pounds per bushel
Castor beans	46 pounds per bushel
White potatoes	60 pounds per bushel
Sweet potatoes	55 pounds per bushel
Onions	57 pounds per bushel
Turnips	55 pounds per bushel
Dried peaches	33 pounds per bushel
Dried apples	26 pounds per bushel
Clover seed	60 pounds per bushel
Flax seed	56 pounds per bushel
Millet seed	50 pounds per bushel
Hungarian grass seed	50 pounds per bushel
Timothy seed	45 pounds per bushel
Blue-grass seed	44 pounds per bushel
Hemp seed	44 pounds per bushel
Salt—Weight per bushel as adopted by different States ranges from 50 to 80 pounds. Coarse salt in Pennsylvania is reckoned at 80 pounds and in Illinois at 50 pounds per bushel. Fine salt in Pennsylvania is reckoned at 62 pounds and in Kentucky and Illinois at 55 pounds per bushel.	
Corn meal	48 pounds per bushel
Ground peas	24 pounds per bushel
Malt	34 pounds per bushel
Bran	20 pounds per bushel

Long Measure

12 inches equal 1 foot.
 3 feet equal 1 yard.
 5½ yards equal 1 rod or pole.
 40 rods equal 1 furlong.
 8 furlongs equal 1 statute mile.
 3 miles equal 1 league.

Widths of New Peoria Single-Disc Drills and Distances Traveled in Seeding One Acre

8-disc 8-inch drill is 64 inches wide and travels 495 rods
 10-disc 8-inch drill is 80 inches wide and travels 396 rods
 12-disc 8-inch drill is 96 inches wide and travels 330 rods
 10-disc 7-inch drill is 70 inches wide and travels 452½ rods
 11-disc 7-inch drill is 77 inches wide and travels 411 rods
 12-disc 7-inch drill is 84 inches wide and travels 377 rods

14-disc 7-inch drill is 98 inches wide and travels 323 rods
 18-disc 7-inch drill is 126 inches wide and travels 251.4 rods
 12-disc 6-inch drill is 72 inches wide and travels 440 rods
 16-disc 6-inch drill is 96 inches wide and travels 330 rods
 20-disc 6-inch drill is 120 inches wide and travels 264 rods
 24-disc 6-inch drill is 144 inches wide and travels 220 rods

GENERAL AGENTS
OF THE
PEORIA DRILL & SEEDER CO.

ROCK ISLAND PLOW CO.

Rock Island, Illinois
Sioux Falls, South Dakota
Kansas City, Missouri
Indianapolis, Indiana
Minneapolis, Minnesota
Oklahoma City, Oklahoma
Dallas, Texas

R. W. WADE & CO.

Portland, Oregon
Spokane, Washington

E. P. BOSBYSHELL CO.

Los Angeles, California

GALE-HOOPER CO.

Memphis, Tennessee

LININGER IMPLEMENT CO.

Omaha, Nebraska

SMITH-WATKINS CO.

Lexington, Kentucky

PARLIN & ORENDORFF PLOW CO.

St. Louis, Missouri
Kentucky (except Lexington
territory)
Eastern Tennessee
South Atlantic States