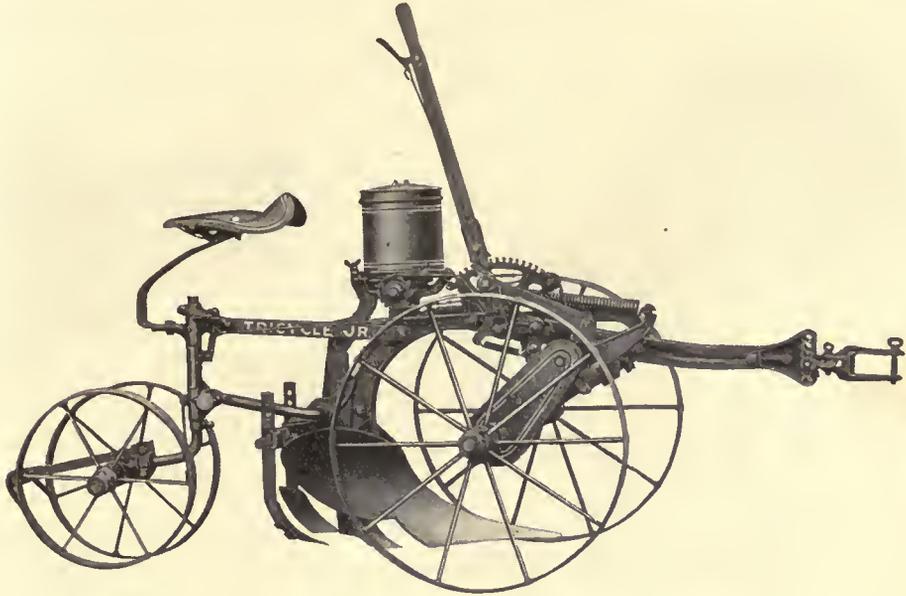


The Original, Frameless, Tricycle Lister



Tricycle Lister—Shovel Covers, Edge or Flat Drop

Rock Island No. 9 Tricycle Lister

THE Rock Island No. 9 Tricycle is the famous original frameless three-wheel lister. It was the first to be put on the market, and has always maintained the lead and proved its superiority. It is built strong, but is light in weight.

Accurate

The No. 9 Lister is furnished with either Rock Island straight flat drop or convertible edge and flat drop seed plates—noted for accuracy in dropping. The straight flat drop is particularly desirable for planting thin, flat kernels, such as Hickory King corn.

Seed Always in View

The seed is always in plain view of the operator when it drops into the ground. There is no chance of driving across the field with an empty hopper.

The Rock Island No. 9 is equipped with a tip-over hopper, so that if it is desirable to



Rock Island No. 9 Tricycle Lister Turning with Bottom in Ground



ROCK ISLAND No. 9 TRICYCLE LISTER—Continued



Fig. 1

Rock Island High Breasted Lister Share

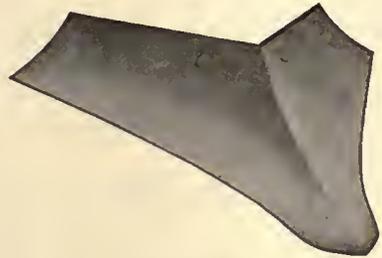


Fig. 2

Ordinary Lister Share

change plates when there is seed in the can, you may do so without removing the seed. It is impossible to put the plates in wrong; they can only be put in the correct way. Gears stay in mesh when the hopper is tilted.

The lever is handily placed for the operator, and all working parts are under control at all times. Wheels are adjustable 3 ft. 2 in. to 3 ft. 8 in. for planting wide or narrow rows. Either disc or shovel coverers can be furnished. These are adjustable in and out, up and down, or at any angle. Pole attachment can be furnished.

**Rock Island Lister Bottoms
Make Wide Furrows**

The shape of the Rock Island Lister bottom turns trash under and makes a cleaner, wider furrow than can be obtained with any other Lister bottom.

We make our shares high so that the wear will come on the share instead of on the mold-

board. This is a great advantage, as you will readily see. Also a great economy, for it is much cheaper to renew the share than to renew both share and moldboard.

On Rock Island Lister bottoms the right hand board backs up against the left one so there is no crack in front and no chance of a misfit. With this method the lister *always scours* and the shares *always fit*.

Suction Always Constant

The parallel connection of bottom to beam holds suction constant regardless of depth and also results in planting at uniform depth. The No. 9 Lister will turn with the bottom in the ground—no danger of upsetting.

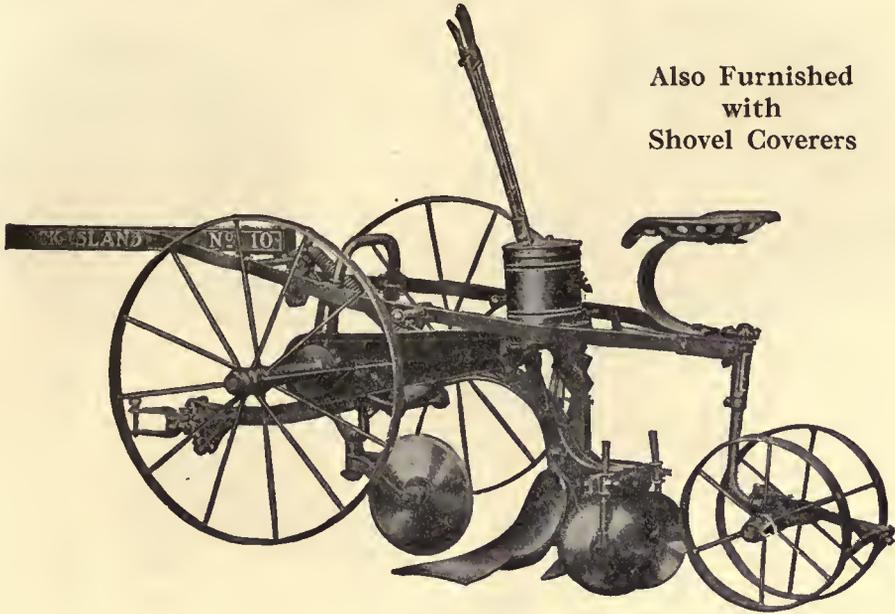
Specifications

- 14-inch bottom.
- Edge or flat drop for corn.
- Soft-center shares.
- Combination 3- and 4-horse eveners.

NUMBER	Style of Coverers	Drop	Shipping Weight Pounds	Telegraph Code
9	Shovel	Edge	427	Mythic
9	Shovel	Flat	427	Mythan
9	Disc	Edge	434	Myth
9	Disc	Flat	434	Mythax
Pole Attachment, extra			43	Mythib

Rock Island Four-Wheel Lister

Also Furnished
with
Shovel Coverers



Rock Island No. 10 Four-Wheel Lister

THE Rock Island No. 10 is one of the most popular four-wheel frame listers.

It also is equipped with the famous Rock Island 14-inch Lister bottom with high breast soft-center share, noted for the good job it does.

A link connection is provided so that the bottom is held at a constant suction and the seed is planted at a uniform depth.

The operation of No. 10 Lister is exceedingly simple. The team assists in raising and lowering the bottom. The balance, or lifting spring, is directly in the center of the frame instead of on one side, doing away with all side motion and avoiding wear in the bearings.

Either disc coverers with dust-proof bearings or break-pin shovel coverers are furnished.

They can be adjusted to any desired depth, width or angle. The subsoiler can also be adjusted as desired.

The tread of the front wheels is adjustable from 3 ft. 2 in. to 3 ft. 8 in. The rear wheels have two widths of tread.

A combination 3- and 4-horse evener is furnished. This can be adjusted for different widths. Either flat or edge drop seed plates can be furnished for corn and similar seeds, and this lister can be equipped as a combination cotton and corn machine.

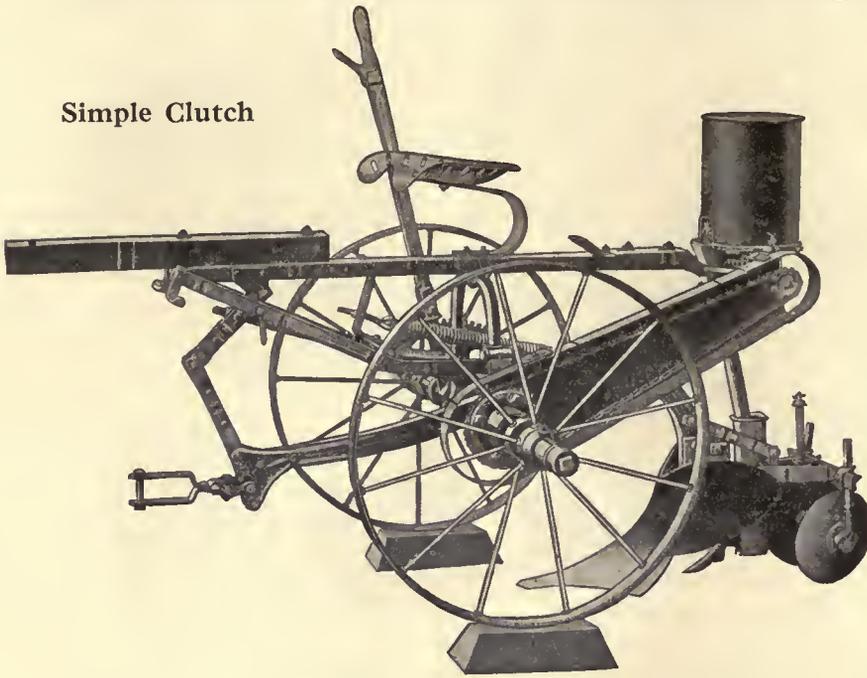
The seeding mechanism is positively driven from the left side of the machine by a sprocket chain, well guarded so that trash cannot clog it.

NUMBER	Style of Coverers	Drop	Shipping Weight Pounds	Telegraph Code
10	Shovel	Edge (Corn only)	506	Lister
10	Disc	Edge (Corn only)	513	Listig
10	Shovel	Flat (Corn only)	506	Listes
10	Disc	Flat (Corn only)	513	Listet
10	Shovel	Flat (C & C)	548	Listew
10	Disc	Flat (C & C)	555	Listex



The Only Two-Wheel Lister with Sight Feed

Simple Clutch



Dust-Proof
Wheel
Boxing

Detachable
Sprocket

Rock Island Two-Wheel Listers

No. 18 for Cotton
and Corn

IN addition to having an accurate dropping system on the Rock Island Two Wheel Lister for either cotton and corn, there is also the big advantage of being able to see at all times that it is planting accurately. The seed spout and delivery are at the front of the hopper instead of the rear. It is a very simple matter to glance to the rear, see just how the lister is planting and make certain that the hopper is not empty—without stopping the work.

The Rock Island No. 18 Lister is equipped with the Rock Island positive single seed cotton drop, which saves seed, lessens work of chopping out, and at the same time does that good job of planting which means biggest yields possible under existing weather and soil conditions.

The special shape of the seed plate, together with positive action of the agitator and the two springs and pin, force the seed into the cells. The spiral-shaped cut-off allows only the seed

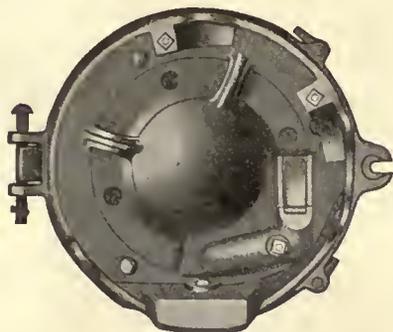
No. 19 for Corn
Only

in the cells to pass to the ejector wheel, which forces the seed into the boot. A second spiral-shaped cut-off on the under side of the plate beyond the ejector wheel prevents linty cotton from clinging to the plate. If any seed should still hang to the plate it is passed back into the hopper by means of a by-pass.

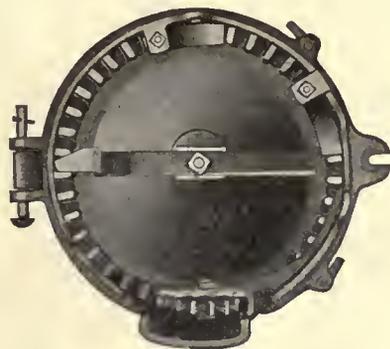
Easiest, Most Simple Method of Changing from Cotton to Corn Planting

The corn drop is the Rock Island round hole plate type with the tight-fitting center bearing, raised center seed plate, improved cut-off, sight feed and tip-over hopper—accurate to a high degree. Kaffir, maize, etc., can be planted without cracking the seed. The cotton and corn plates are easily and quickly changed, as they go in from the bottom of the hopper instead of the top. This is a patented feature.

ROCK ISLAND TWO-WHEEL LISTERS — Continued



As a Corn Bottom



As a Single Seed Cotton Drop

Rock Island Combination Cotton and Corn Bottom

The seeding parts are driven by chain running direct from clutch on the axle to the seed shaft—a most simple, positive drive. Three different sprockets are provided to give different drilling distances, both for cotton and corn.

The lister is provided with a lever chain tightener—another exclusive feature. Merely move the lever and tighten the bolts to increase and maintain proper tension. A substantial guard prevents stalks and trash from interfering with the chain. The clutch is extra large with no delicate parts. It is mounted on the axle and is automatically thrown in and out of gear when bottom is lowered and raised.

It is a very easy matter to remove and replace parts that may become worn from long use. For instance, the large sprocket wheel is detachable—only four bolts to remove, and the shoes in the clutch shifter yoke are also easily replaced. This saves both time and expense.

The Rock Island Lister Bottom with High Breast Share

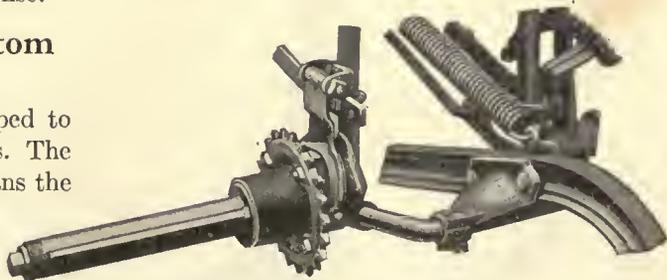
Rock Island Lister Bottoms are shaped to turn trash under and make clean furrows. The share has a very high breast, which means the moldboards are fully protected from any undue wear. This is a great advantage and an economy, because when you renew the share you have practically a new bottom.

Another advantage is that in sharpening shares the breast line is not interfered with and will go right back on the frog and fit up to the original moldboards perfectly—the high breast share does not spring out of shape in sharpening.

The frog is steel in place of malleable, and is held firmly to the beam.

The all-steel open foot used on the Rock Island Nos. 18 and 19 Listers will also take the regular black land bottom. Three adjustments to give the bottom more or less suck are provided in this foot—square holes instead of slotted, maintaining proper suck even if bolts become loose. Rock Island sweep can also be used, and we furnish a root cutter which bolts to the lower end of the open-footed beam.

Narrow shovel opener bolts direct to the seed spout, is provided with break pin, and can be adjusted to any desired depth.

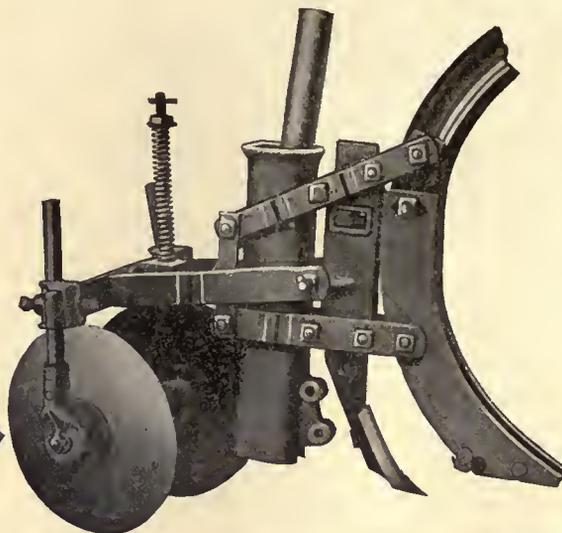


Dust-Proof Wheel Boxing—Simple Clutch Mechanism, Detachable Sprocket, "Take-Up" Bail Bearing

ROCK ISLAND TWO-WHEEL LISTERS — Continued



Independently Adjustable Shovel Covers with Shovel Opener for Rock Island Nos. 18 and 19 Listers



Independently Adjustable Disc Covers, with LS-1 Chisel Point Subsoiler, for Rock Island Nos. 18 and 19 Listers

Three-eighths-inch vertical adjustments are provided in sub-soiler—much finer than ordinary. LS-1 Chisel Point or LS-2 Duckfoot subsoiler is furnished regular on No. 19 Corn Lister, and as an extra on No. 18 Cotton and Corn Lister.

Either shovel or disc covers can be furnished. The same frame takes either. This

frame is pivoted at the forward end and spring cushioned. The discs are of the independent adjustable type and not the gang type. They can be given any required angle, depth and width by adjusting two set screws. Discs have dust-proof boxings and are oiled by cap hard oilers. When shovels are used they also can be adjusted for width and depth, and are provided with friction break.

Built for Strength and Steady, Level Running of Bottom

The beam of the Rock Island Nos. 18 and 19 Listers is extra long and strong, meaning steady running of the bottom. The beam is mounted on a bail which is pivoted to the axle. The bearings for the saddle castings, which attach the beam to the axle, are provided with a "take-up" adjustment for wear.

The lifting spring is mounted centrally with the beam—an advantage for the following reason: If bearing should become worn the spring does not cause the lister to work to one side or the other.

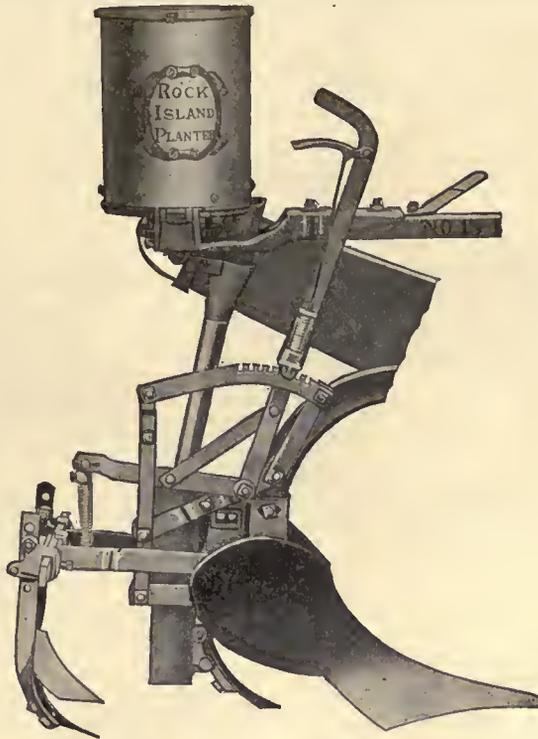


LS-1 Chisel Point Subsoiler



LS-2 Duck Foot Subsoiler

ROCK ISLAND TWO-WHEEL LISTERS—Continued



Covering Shovel or Disc Lever Attachment.
Spring Cushion Still Maintained

At the front a steel parallel link holds the bottom steady, with the correct suction to the ground at all times, regardless of the depth of lister. It will always plant an even depth. A screw adjustment is provided to give the bottom more or less suck.

The entire lister is nicely balanced either with bottom in or out of the ground, and the bottom is easily handled. The axles are made so that the wheels have both the necessary lead and gather to insure light running and light draft.

The wheels have long dust-proof boxings and are held on the axle by pin and washer. Tires are 2½-inch concave; twelve 7/8-inch round spokes with 3½-inch stagger. Wheels are adjustable from 34 to 42 inches on the boxing by loosening two set screws.

These listers are built with channel steel stub pole. It lasts the lifetime of the lister. Steel

clevis is provided with ample adjustments, both vertical and horizontal.

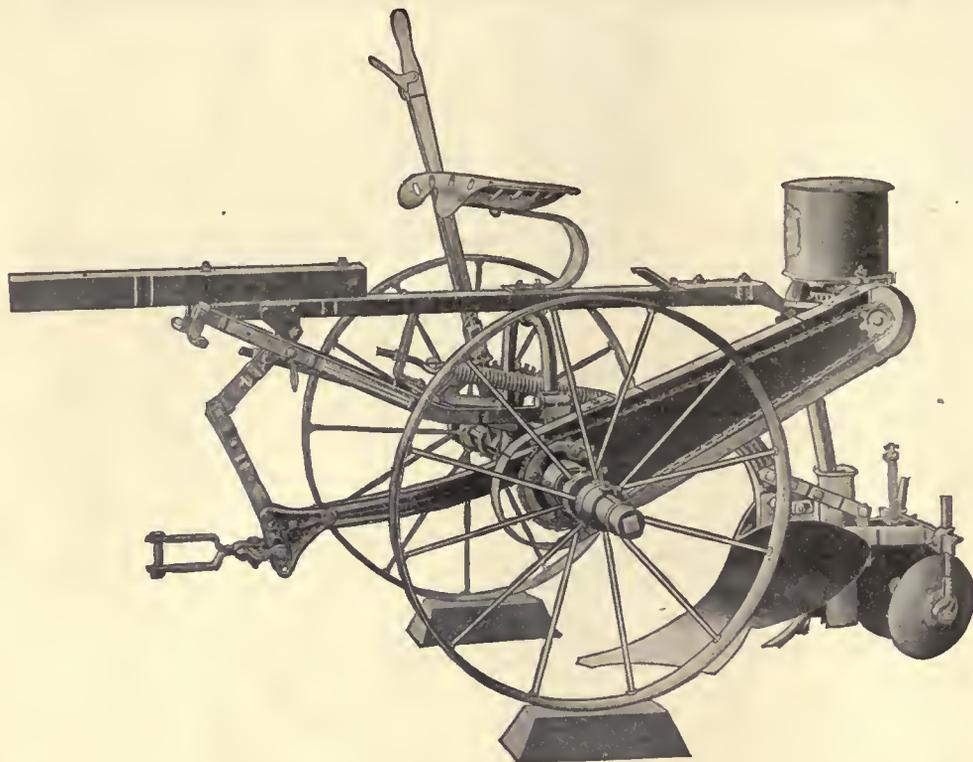
The No. 137 four-horse evener is regular equipment. The main bar of this evener is extra strong and is built so that one doubletree is above, the other below, giving a short, compact hitch. Pole is extra heavy.

Special Equipment

Set-over attachment for the pole for three-horse hitch can be furnished. We can also furnish a lever attachment for the covering discs or shovels. This is mounted to the rear of the driver and is easily handled. It is for the purpose of regulating the depth the discs or shovels work, and permits changing depth of covering without operator having to leave the seat. It also insures uniform depth of covering. The spring cushion for discs or shovels is maintained with the lever attachment.



ROCK ISLAND TWO-WHEEL LISTERS — Continued



Rock Island No. 19 Lister for Corn

The only difference between this and the No. 18 Lister is the seed-dropping mechanism.

The No. 19 Lister has the same corn equipment and uses the round hole flat drop type plate. Oblong hole plates are furnished for Hickory King corn, also plates for milo maize, feterita, broom corn, etc. A special plate holder and plates can be furnished for handling beans.

The outside of the seed plate is machine finished, also the inside of the hopper bottom—

making a perfect fit. The center of the seed plate is raised, allowing no place for seed to lodge either at the outer edge of plate or at the center.

The plate holder is held absolutely tight by three thumb nuts—no opportunity for seed to get in between holder and plate. The special shaped cut-off is hand fitted and, together with the spring knocker, forces seed out of the seed plate positively without crushing the seed.

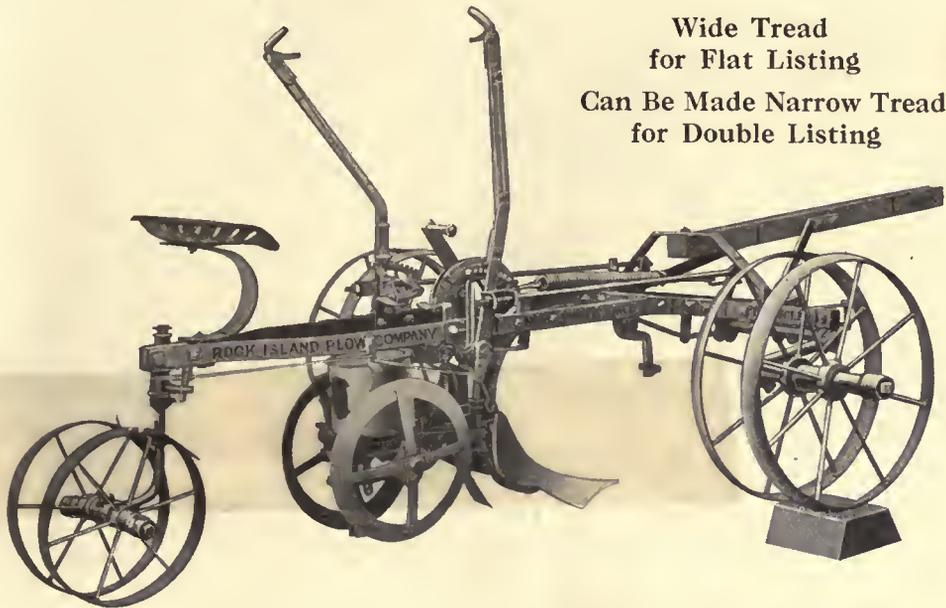
Specifications

Combination 3 and 4 horse eveners and neck yoke; single seed cotton drop; flat, round hole corn drop; 12- or 14-inch regular MLR., narrow MLN, or black land BLT bottoms (regular bottom shipped unless otherwise specified); dust-proof wheel boxings; 34-inch concave wheels; width adjustable 34 to 42 inches.

DESCRIPTION	Weight Pounds	Telegraph Code
No. 18 with Shovel Coverers and 12-inch Bottom. No Subsoiler or Rolling Coulter.....	529	Omissa
No. 18 with Shovel Coverers and 14-inch Bottom. No Subsoiler or Rolling Coulter.....	532	Omissar
No. 18 with Disc Coverers and 12-inch Bottom. No Subsoiler or Rolling Coulter.....	536	Omissate
No. 18 with Disc Coverers and 14-inch Bottom. No Subsoiler or Rolling Coulter.....	539	Omissaz
No. 19 with Shovel Coverers and 12-inch Bottom. With Subsoiler and Rolling Coulter....	529	Omitab
No. 19 with Shovel Coverers and 14-inch Bottom. With Subsoiler and Rolling Coulter....	532	Omitac
No. 19 with Disc Coverers and 12-inch Bottom. With Subsoiler and Rolling Coulter.....	536	Omitted
No. 19 with Disc Coverers and 14-inch Bottom. With Subsoiler and Rolling Coulter.....	539	Omiten

Extras: Adjusting lever for coverers; 18-, 20-, or 22-inch sweep, Offset pole attachment for 3-horse hitch.

List Straight Rows — Uniform Distance Apart



Wide Tread
for Flat Listing
Can Be Made Narrow Tread
for Double Listing

Rock Island No. 20 Wide-Tread Lister

The Rock Island No. 20 Wide-Tread Lister can be set wide tread for flat listing and narrow tread for double listing.

Get the first row straight, then the rest of the rows are bound to be straight and the same distance apart. The double-tired wheel running in the furrow makes a positive guide. The rows are more easily cultivated because uniform.

The axles are pivoted directly to the beam, and are trussed substantially to prevent the wheel from spreading. By means of the long, dust-proof, sliding wheel boxes the width of rows can be varied from 36 inches to 42 inches. The wheels are held securely by pin and washer, which relieves wear on the sand cap. They have no cross ties between spokes to gather stalks or trash.

For Narrow Tread

Special axles can be furnished at a slight additional cost for converting this into a narrow-tread lister for double listing. The change can be easily and quickly made. The double-tired wheels, together with the narrow-tread feature,

make this the most positive double-listing machine yet built.

The Rock Island Lister Bottom Makes Clean, Wide Furrows

Rock Island Lister bottoms turn trash under and make clean, wide furrows. The share has a high breast, which is a great advantage and an economy, because when you renew the share you have practically a new bottom.

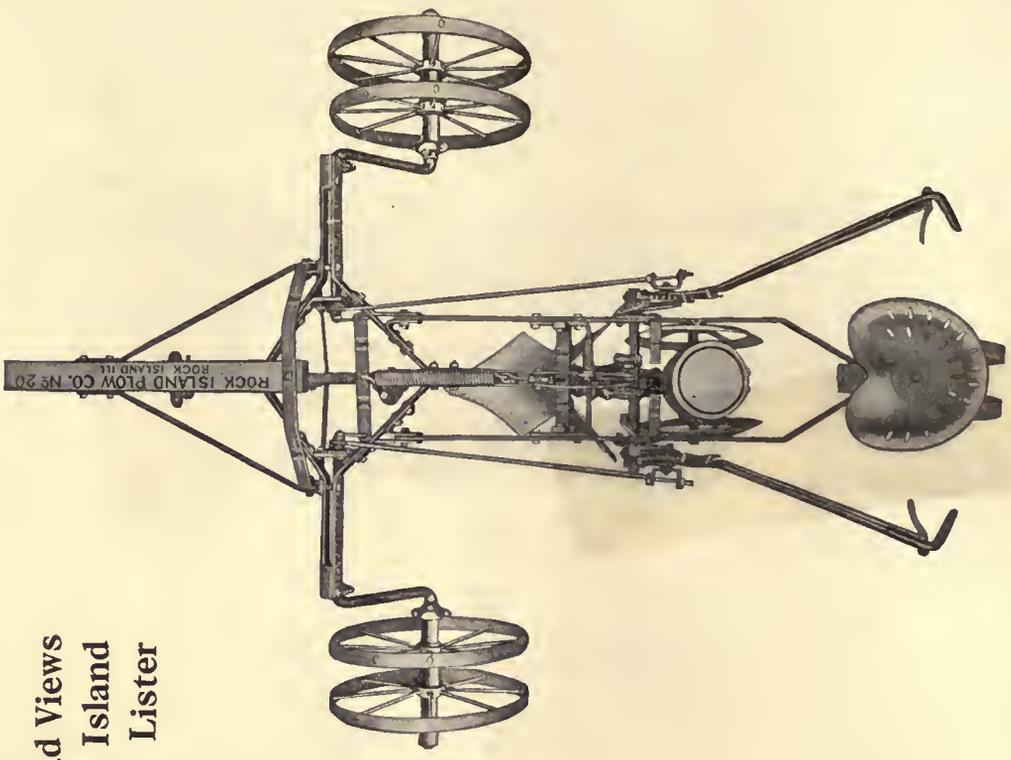
Convenient Levers — Easy Lift

The depth regulating levers are conveniently located, and when used in connection with the foot lift, a very slight push of the foot and pull of the lever raises the bottom. Bottom can be raised easily whether team is in motion or standing still. After turning, set depth lever, release foot latch and the bottom will automatically return to the desired depth. Fine adjustments in lever ratchets for depth and also additional screw adjustments are provided, so that depth can be regulated to the smallest degree.

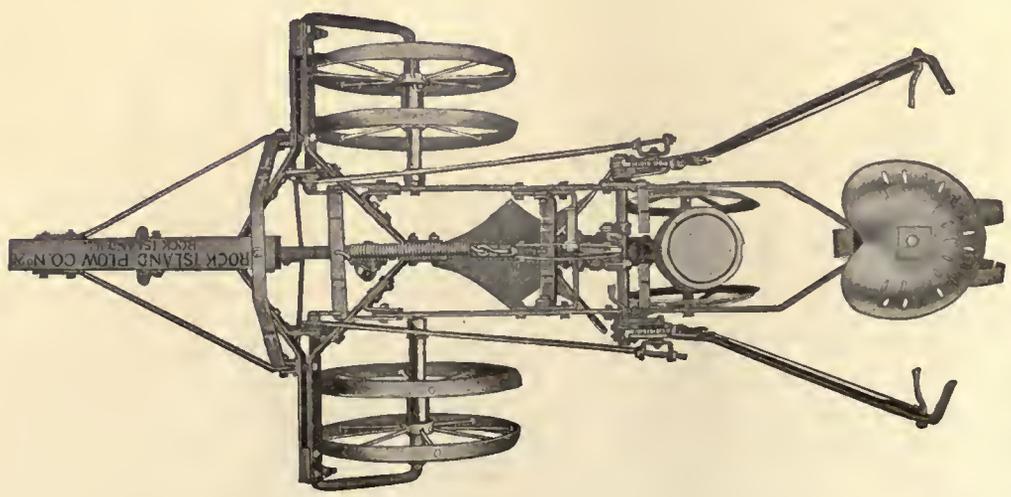


An Exclusive Rock Island Feature

Overhead Views
of Rock Island
No. 20 Lister



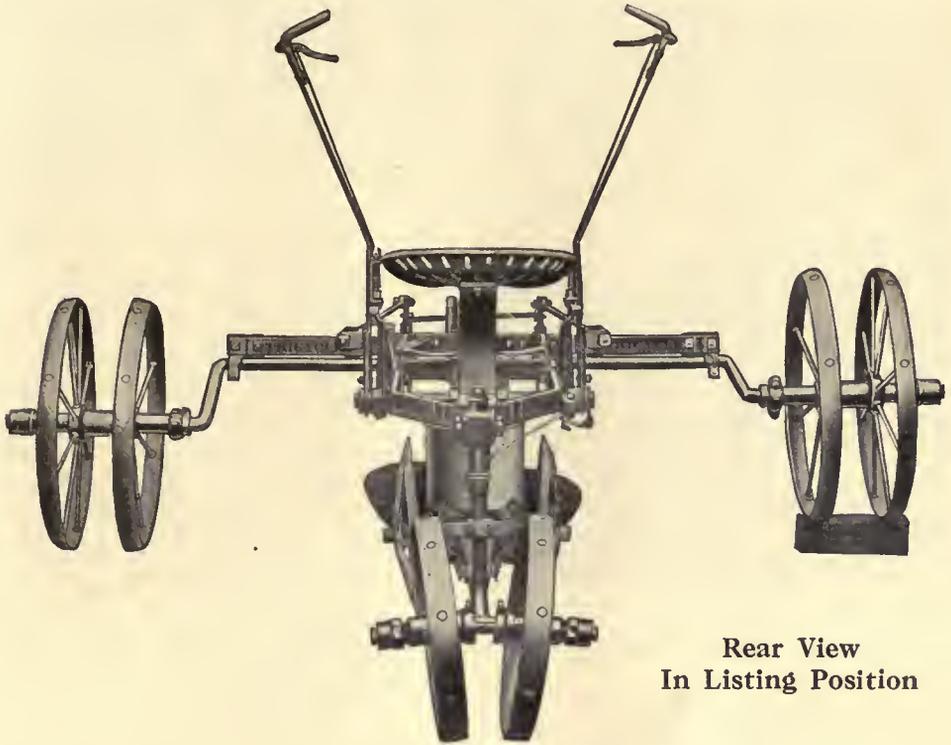
Wide Tread
For Fiat Listing



Narrow Tread
For Double Listing



ROCK ISLAND No. 20 WIDE-TREAD LISTER — Continued



Rear View
In Listing Position

Suction Constant — Even Depth Planting

It makes no difference whether you are flat or double listing, the suction of the bottom remains the same.

A screw adjustment is provided for regulating suction as share wears. All weight of lister and operator is wheel carried—the bottom does not support any of the weight.

The Rock Island No. 20 Lister can be used with or without subsoiler. The subsoiler is provided with $\frac{3}{8}$ -inch vertical adjustments, as fine adjustments as anyone could desire. Either LS-1 chisel point or LS-2 duck-foot subsoilers can be furnished.

The Centrally Mounted Lifting Spring

The centrally mounted spring assists both the independent depth levers and the foot lift. It is mounted central with the beam, with an equalizer at the front. No matter how much

wear may occur in the axles or bearings, the bottom will not be led to one side. While it makes handling the bottom an easy matter, it does not hinder the bottom from going into the ground.

The Rock Island No. 20 Lister Can Be Backed

With the No. 20 Lister you can work up close to the fences and in the corners. This lister can be backed up. The rear wheels are locked in



Seed Plate and Hopper Bottom
Flat Round Hole Drop



ROCK ISLAND No. 20 WIDE-TREAD LISTER — Continued



Notice the Straight Parallel Rows Made by the Rock Island No. 20 Lister, on the Farm of Jake Hahn, Clay Center, Kansas

straightaway position when traveling straight ahead, but when turning, they release automatically. The rear wheels can be reversed for wide or narrow pressure.

Accurate Seeding Parts

The No. 20 Lister uses the round hole flat drop type of plate. Oblong hole plates are furnished for Hickory King corn, also plates for milo maize, feterita, broom corn, etc. A special plate holder and plates can be furnished for handling beans. The No. 20 handles the seed without crushing or cracking the kernels. The outside of the seed plate is machine finished, also the inside of the hopper bottom—making a perfect fit. The center of the seed plate is raised, allowing no place for seed to lodge either at the outer edge of the plate or at the center. The seed plate has a chilled center bearing so plate can fit close and not bind. The

plate holder is held absolutely tight by three thumb nuts—no opportunity for seed to get in between holder and plate. The special shaped cut-off is hand fitted and, together with the spring knocker, forces seed out of the seed plate positively without crushing the seed.

Positive Seed Driving Mechanism

Two discs, one on each side and set at an angle to each other, give a positive drive and at the same time cover the seed. Their angle can be adjusted to throw more or less dirt over the seed. These discs being cut out, give ready access to all adjustments. Their construction also makes them easy scouring.

We guarantee the discs will drive the seeding mechanism. The depth and pressure of the drive discs can be easily regulated. The discs are connected by an extra heavy universal joint. Both discs drive. The narrow opening shovel is adjustable for depth.

Placing the hopper close to the ground makes possible the use of a short seed spout—less distance for seed to travel and to separate, which, together with the narrow opening shovel, means more uniform distances apart in straight rows.

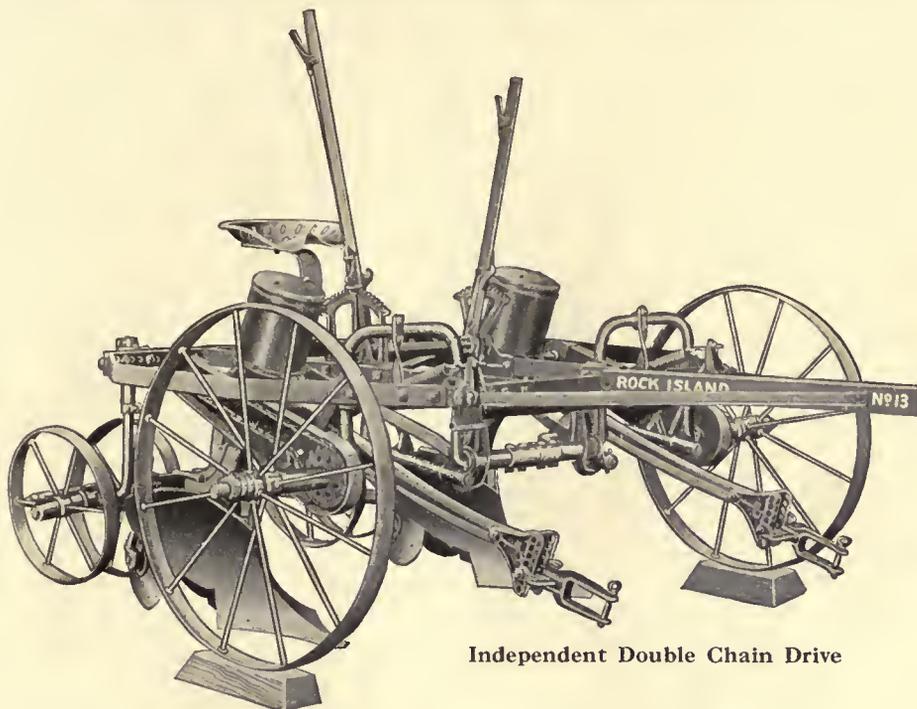
The hopper is easily removed for changing plates without emptying it. It is impossible to put the plates in wrong. Sight feed shows at all times just how the seed is being dropped. Combination Cotton and Corn Hopper can be furnished.

Specifications

- Adjustable 36 to 42 inches
- Dust-proof wheel boxes
- Soft-center steel bottoms
- Flat drop round hole corn plates

DESCRIPTION	Weight Pounds	Telegraph Code
No. 20 Lister, 14-in. Bottom, Corn only, complete.	700	Omizate
No. 20 Lister, 14-in. Bottom, Cotton and Corn, complete.	712	Omizer
Pair Axles for Back Listing.	50	. . . . .

Rock Island Two-Row Listers



Independent Double Chain Drive

Rock Island No. 13 Two-Row Lister

The Rock Island No. 13 Lister with six horses and one man will do as much work as two single-row listers with eight horses and two men.

It is equipped with the famous Rock Island accurate drop—either edge or flat drop, as ordered. Each seed can is mounted on the beam and independently driven by a chain from the axle on each side of the machine. The beams and bottoms are mounted on separate bails, which are pivoted on the axle. As the bottoms are raised or lowered, the feed is automatically thrown out of gear. The bottoms have three width adjustments—38, 40, and 42 inches.

The famous Rock Island lister bottoms with high breast share, described on previous pages, are used on this lister.

There are two depth levers. The main raising lever, which lifts both bottoms, is on the right side, and a shorter lever for leveling the bot-

tom is on the left side. When raised, the bottoms clear the ground by six inches. A foot raising lever is also placed in easy reach of the operator. Two assisting springs are used, one for each bottom, and mounted central, making the operation of the machine exceedingly easy.

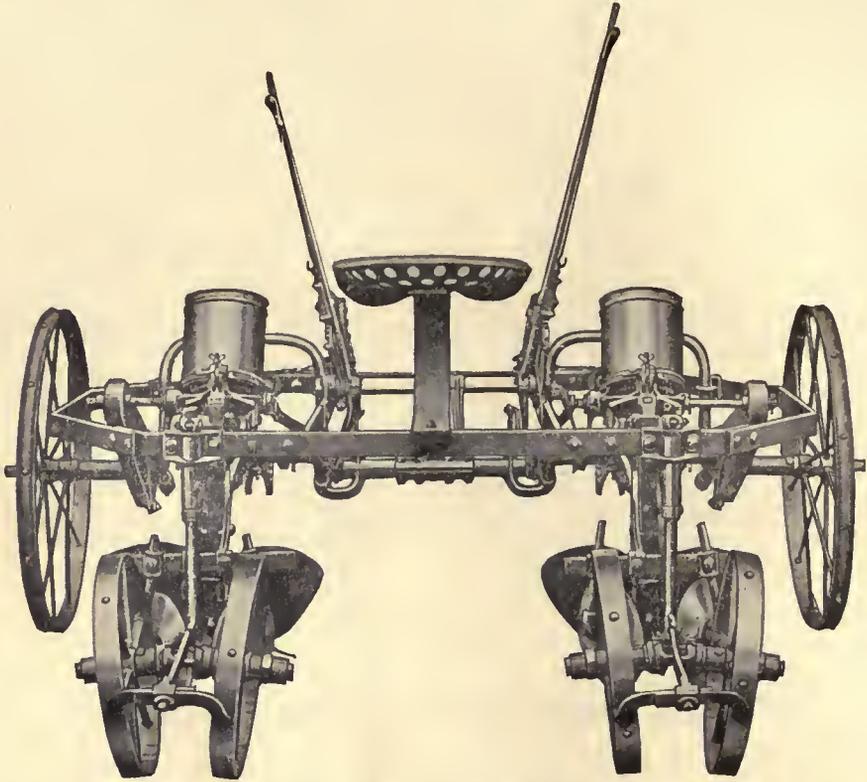
The Rock Island No. 13 Lister is equipped with a 6-horse-abreast evener. The well-known Rock Island method of holding the suction of the lister constant, and preventing the heavy evener from dragging at the turns, is used on this two-row lister.

When the lister is raised out of the ground, the evener is automatically raised with the beam, holding it off the ground. When in the ground, the beams are held at a certain height, insuring an even amount of suction at all times. This also insures even depth of seed.

The No. 13 has 34-inch wheels with 2½-inch tires. There is a set of rear wheels for each bottom which can be adjusted to different



ROCK ISLAND No. 13 TWO-ROW LISTER—Continued



Rear View, Two-Row Lister

widths. These carry the operator as well as part of the machine, making even covering under all conditions. Either disc or shovel covers are furnished. Various size sweeps, with wings, can also be furnished.

Specifications

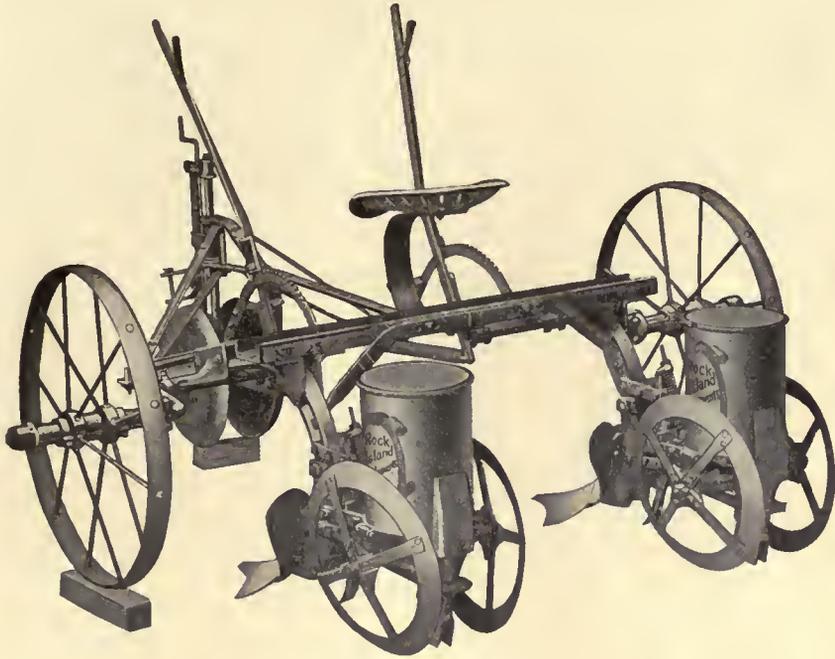
Complete with 6-horse hitch and rear wheels.
Flat or edge drop—*corn only*.
Soft center shares.



Shovel Covers for No. 13 Lister

NUMBER	Style of Covers	Drop	Shipping Weight Pounds	Telegraph Code
13	Shovel	Edge	1094	Listob
13	Disc	Edge	1115	Listoe
13	Shovel	Flat	1094	Listod
13	Disc	Flat	1115	Listoc

Puts the Crop in Quicker



Rock Island No. 25 Two-Row Lister

THE Rock Island No. 25 Two-Row Corn only or Cotton and Corn Lister is built to stand the unusually severe conditions under which it often has to work. It is practically all steel. Notice the steel ratchets, forged axle bearings with "take-up" feature, beam bracing, etc.

The machine is close coupled, and this, together with the specially shaped Rock Island bottoms, gives extremely light draft.

The front is carried on a fore-carriage, which steadies the machine and takes the weight off the horses.

Simple, Positive Drive for Planting Mechanism

The discs serve both for driving the planter mechanism and for covering the seed. The depth of covering is determined by angle of the discs, which can be quickly adjusted.

The drive discs are open center—will scour and do not ball up with trash. This construction also allows easy access to planter mech-

anism for adjustments. These discs positively drive either corn or cotton planting mechanism.

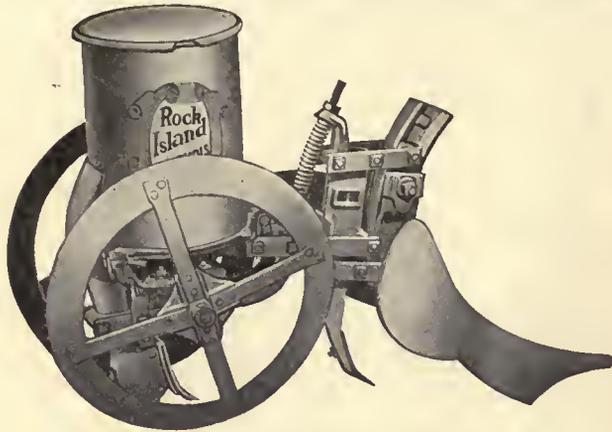
The spokes are riveted with two rivets at each end so that there is no danger of loosening or breaking. The discs are keyed to shaft with a bolt and lock washer instead of cotter-pin.

The entire weight of seed, hopper, and planter mechanism, aided by a pressure spring, holds the angled discs steady in the furrow and insures uniform planting. These discs will not slip or drag. The seed hoppers, being so close to the ground, drop the seed a uniform distance apart.

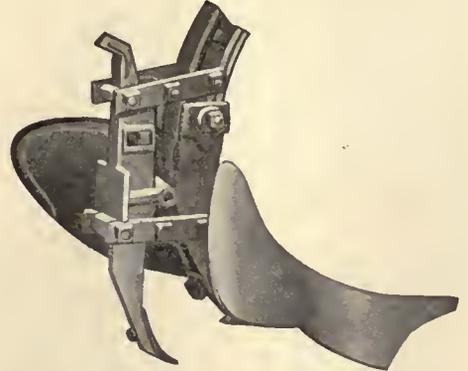
The planting mechanism is attached to the lister beam. The planter is automatically thrown out of gear when the bottom is raised, as this raises the driving discs from the ground.

Notice the absence of chains, gears, and clutches, which wear out very soon, especially

ROCK ISLAND No. 25 TWO-ROW LISTER — Continued



Cotton and Corn Hopper for Rock Island No. 25 Two-Row Lister



Rock Island Subsoiler Can Be Used without Seeding Mechanism

in sandy soils. This is the most simple and effective seeding mechanism built.

The removable hopper is a great convenience and time-saver. For instance, to change corn plates or from corn to cotton bottom, tip the hopper over, loosen the thumb-latches, slip out corn bottom and replace with cotton bottom.

The cotton and corn plates are also easily and quickly changed, and the change is made without taking the seed out of the hopper. All plates go in from the bottom of the can instead of the top, as is ordinarily done.

Uniform Cotton Drop

The Rock Island "Single Seed" Cotton Drop not only saves high-priced seed, but also saves a great deal of labor in chopping by dropping the seed a uniform distance apart.

The cotton plate has a series of cells at the outer edge. The plate and cells are so shaped that the seed is forced into the cells. The agitator attached to the plate forces the cotton seed toward the cells and prevents bridging.

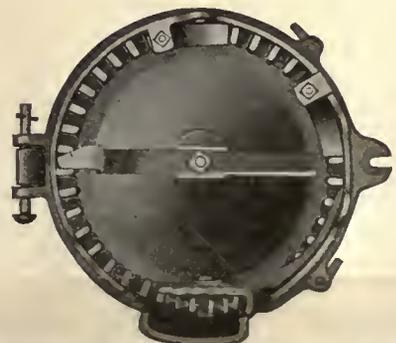
Two springs and a pin are provided to insure the cells filling accurately and retard the revolving action of the seed.

A spiral-shaped cut-off is provided to prevent more seed following around to the dropping point. This cut-off permits the seed in the cells to pass to the ejector wheel, which forces the seed back into the boot.

Linty cotton seed often hangs to the plate, therefore a second spiral-shaped cut-off for the under side of the plate beyond the ejector wheel is provided. This usually forces any seed which may have hung to the plate into the boot,



Cotton and Corn Drop, Showing Corn Bottom



Single Seed Cotton Drop, Showing Ejector Wheel, Agitator and Forced Feed



ROCK ISLAND No. 25 TWO-ROW LISTER — Continued



Planting Cotton at Lubbock, Texas

but a by-pass is provided which passes any seed which still hangs to the plate back into the hopper without injury to the seed. *This cotton drop seldom cracks a seed.*

Corn Drop

The corn drop is specially designed to insure accuracy, and to eliminate cracking of seed.

Notice particularly—

- The tight-fitting center bearing,
- The raised center corn plate,
- The three-point plate holder,
- The improved cut-off.

This corn drop will not crack maize, kaffir, or sorghum.

Special plate equipment can be furnished for planting beans.

The narrow opening shovel, equipped with break pin, which is an exclusive feature on this type of drop, makes a small trench, which assures even, straight rows. The fact that the opening shovel is adjustable and seed spout is fastened to it, assures uniform planting at any desired depth.

The Rock Island planting mechanism can be used with or without subsoiler. As each are

separate units, the seeding mechanism may be taken off and only the subsoiler used.

The $\frac{3}{8}$ -inch vertical adjustment of the subsoiler is a feature which will be appreciated by those who wish fine adjustments. The shovel is easily removable, being bolted to shank.

A choice is given of two subsoilers:

LS-1—Chisel Point, or

LS-2—Duck Foot.

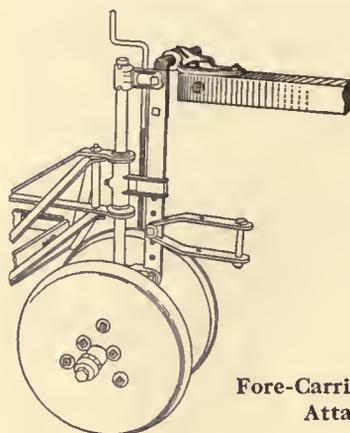
Rock Island Lister Bottoms

The MLR series is shaped to turn trash under and makes a cleaner, wider furrow than can be obtained with any other lister bottom. The MLN series is shaped for a narrower row and does not bed the land as high as the MLR series. This bottom also permits some loose ground to fall back in furrow to form a mulch, maintaining the moisture where wanted.

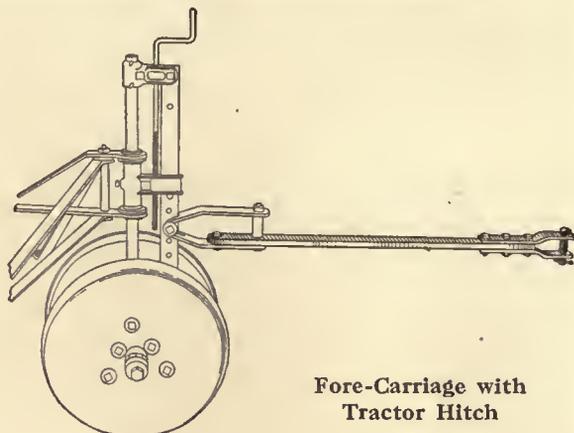
The BLT series is especially adapted for black land use.

On the MLR and MLN series the shares are high, so that the wear will come on the share instead of on the moldboard. Bottoms for this lister are built with steel frog.

ROCK ISLAND No. 25 TWO-ROW LISTER — Continued



Fore-Carriage with Pole Attachment



Fore-Carriage with Tractor Hitch

All Steel Frame, Heavily Braced

A very heavy channel steel beam connection between the two bottoms and a brace support from the beam to the channel at the rear end holds the bottoms rigid.

The front is supported by braces on each side as well as by an angle beam brace running the full width of the machine.

The beam is extra heavy and is provided with a split steel foot piece which will take practically all makes of sweeps. The foot piece is provided with a fine corrugated "suck" adjustment.

Easy to Raise Bottoms

This lister has but two levers, the depth levers, which are within easy reach of the operator. They work independently, so that the bottoms can be leveled for side hill work.

A wide range of adjustment is provided so bottoms can be set as deep or as shallow as you wish for either flat breaking or re-listing. An unusually high lift is provided for this type of machine.

Because the axles of the Rock Island No. 25 Lister are short and cranked backward instead of forward, and the levers are provided with assisting springs, the bottoms are raised out of the ground easily by pulling on the depth levers.

Bottoms are easily adjustable to 34-, 36-, 38-, 40-, and 42-inch rows.

Dust-Proof Wheels

The wheels are larger than usual, being 32-inch diameter with 2½-inch flat or concave tires, staggered spokes, extra long dust-proof boxes with cap hard oiler.

It is a very easy matter to change the width adjustment of the wheels by loosening the two set screws on each wheel box and sliding the wheels to the desired position.

Fore-Carriage with Exclusive Screw Depth Adjustment

The Rock Island Fore-Carriage carries the weight of the front end and also the heavy six-horse evener, making it easier on the horses, because it steadies the machine and takes the weight off the horses. It also holds evener up so it does not interfere with horses in turning.

It is equipped with disc wheels—spaced to make re-listing easy.

The wheels are connected to the fore-carriage with a universal joint so that any irregularity in the ground will not affect the bottoms.

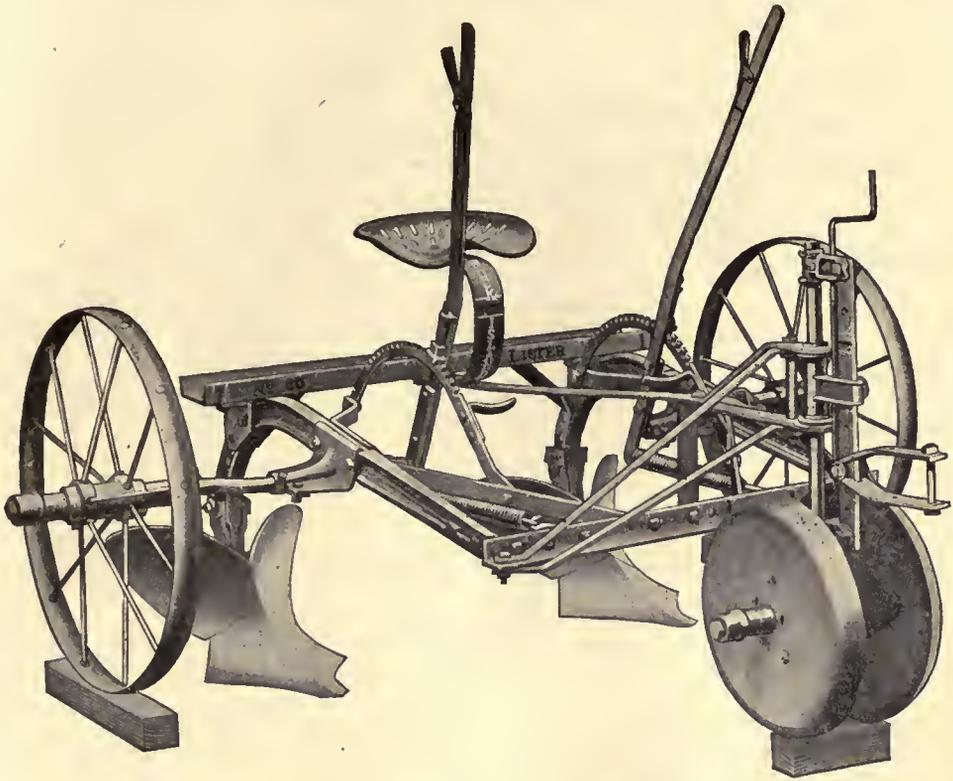
The screw depth regulator is a Rock Island exclusive feature which makes possible a change in adjustment without lifting the six-horse evener. It also governs suck of bottoms.

Eveners

A six-horse-abreast evener is usually used with the No. 25 Lister. Two six-horse-abreast



ROCK ISLAND No. 25 TWO-ROW LISTER — Continued



For Wheat Land Listing

eveners can be furnished. The No. 134 is used for wheat land listing and corn. The No. 138 is used for cotton, and is spaced to keep horses off row.

A Real Wheat Land Lister

Where rainfall is usually scarce, stubble ground should be listed as early as possible. Listed soil catches the rainfall, conserves the moisture for the benefit of the next crop, and also prevents soil blowing.

The Rock Island No. 25, without cotton and corn seeding parts, makes an ideal wheat land lister, because it has the necessary strength; special shaped Rock Island lister bottoms and convenient adjustments.

In the wheat-growing sections the No. 25 Lister is used to turn the soil in such a way as to leave alternating ridges and ditches as soon as the crop is out of the ground. This permits the soil to hold the moisture until it can be absorbed by the next crop.

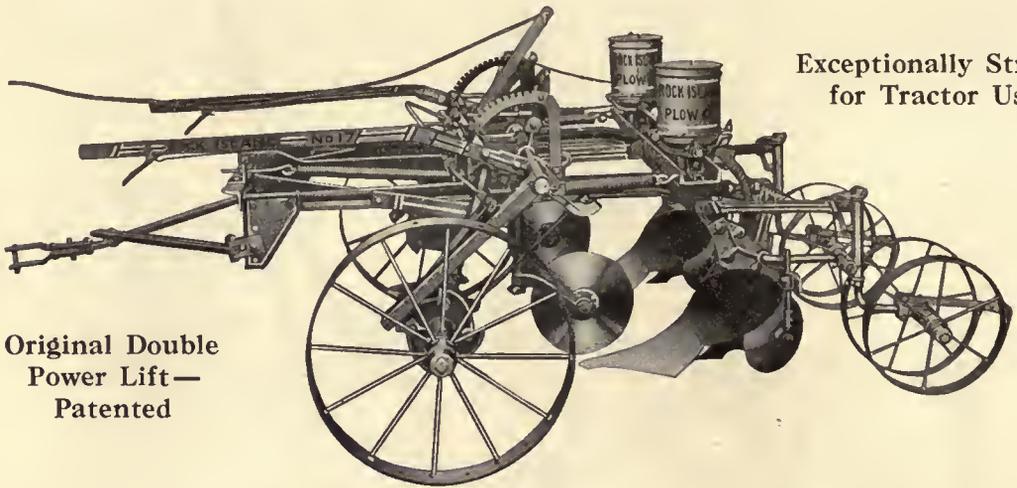
DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 25 Lister for Corn and Cotton with 2 12-in. bottoms	948	Pack
No. 25 Lister for Corn and Cotton with 2 14-in. bottoms	953	Packard
No. 25 Lister, Corn only, with 2 12-in. bottoms	923	Package
No. 25 Lister, Corn only, with 2 14-in. bottoms	928	Packet
No. 25 Lister as Wheat Land Lister, 2 12-in. bottoms	742	Pachor
No. 25 Lister as Wheat Land Lister, 2 14-in. bottoms	747	Pachot

Extras: Pole attachment; tractor hitch.



A Real Power-Lift Tractor Lister

Exceptionally Strong
for Tractor Use



Original Double
Power Lift—
Patented

Rock Island No. 17 Power-Lift Lister

THE Rock Island No. 17 Power-Lift Lister is built strictly for operation behind the tractor.

The Rock Island No. 17 Lister bottom is shaped to turn and cover trash. It makes a cleaner, wider furrow than can be obtained with any ordinary lister bottom. The share is built high—the share instead of the moldboard takes the wear. This is an economy, as it is much cheaper to renew the share than to renew both share and moldboard.

Suction Always Constant

No matter whether listing 2 or 9 inches deep, whether the wheels of the No. 17 are running in a ditch or on the ridges, whether splitting or back-listing the ridges, the suction remains constant, because the bottoms always run level. Both bottoms are raised and lowered to the same extent.

Double Power-Lift an Exclusive Feature

The method used in raising the No. 17 Lister bottoms out of the ground is a valuable, patented Rock Island feature. The power is derived from both front wheels instead of only one. The

lifting mechanism is simple. A clutch wheel is mounted on each drive wheel. By pulling the rope, the clutch is engaged by a roller arm on each side of the machine. This cranks the axles downward, raising the lister bottoms automatically.

No chains are required. The hang-up is accomplished by a novel friction device. The moment the clutch arm disengages with the clutch wheel, the lister is held in a raised position by a friction dog on each side of the machine.

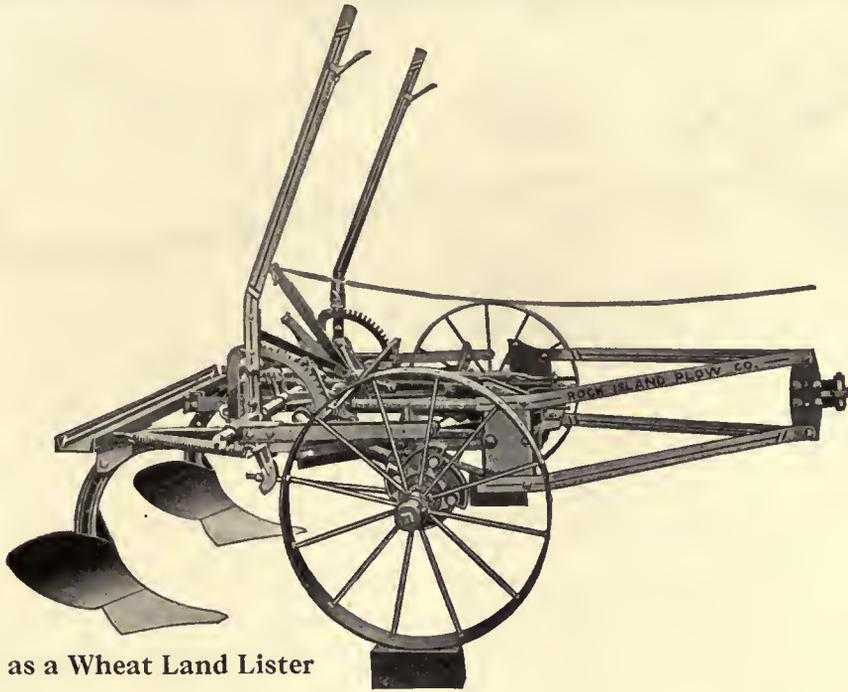
To put the lister into the ground, merely pull the rope. This releases the friction grip on each side. Depth can be regulated to the fraction of an inch by means of the two levers with steel ratchets and the closely spaced notches. Still finer adjustment can be made by means of a screw adjustment on the rod which regulates the axle.

Chain-Drive Seeding Mechanism

The seeding mechanism is thrown in and out of gear when lister is lowered and raised. The drive chain is provided with a tightener to take up slack. Either edge drop or flat drop seed plates can be furnished. Flat drop is particu-



ROCK ISLAND No. 17 POWER-LIFT LISTER—Continued



The No. 17 as a Wheat Land Lister

larly desirable when thin, flat kernels, such as Hickory King corn, are planted.

Strong, Light Draft

The frame of the No. 17 Lister is firmly braced to stand all strain. The front wheels are 30 inches in diameter with 3½-inch flat tires and twelve half-inch round staggered spokes. These wide tires give extra traction. Rear wheels caster on the turn and can be reversed to give a narrow or wide covering track. Either disc or shovel coverers can be furnished, adjustable to any desired depth, width or angle. Shovel shanks are break pin; the discs have dust-proof bearings. The subsoiler can also be adjusted for depth. Thirteen-inch coulter is regularly furnished. The hitch plate is provided with a

series of holes for vertical adjustment and the hitch bar with a series for horizontal adjustment. Break pin is used in the hitch bar to prevent any unnecessary breakage.

The No. 17 is adjustable in width, 3 ft. 2 in., 3 ft. 4 in., 3 ft. 6 in., and 3 ft. 8 in., without disturbing the power-lift mechanism.

The Rock Island No. 17 as a Wheat Land Lister

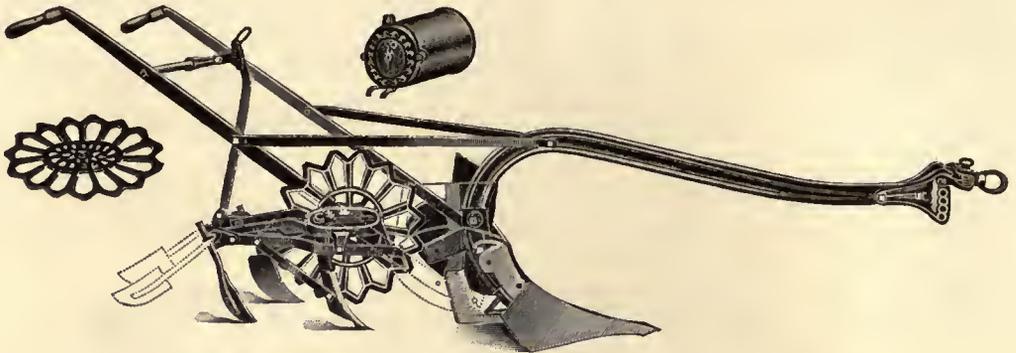
As a wheat land lister, the No. 17 has the same power-lift mechanism, beams, bracings, etc., as when used in corn land. The only difference is that the seeding mechanism, rear wheels, covering discs, subsoiler and seeding mechanism drive chain are not used.

Specifications

DESCRIPTION	Weight Pounds	Telegraph Code
No. 17 Lister with two 14-inch Bottoms, complete, Disk Coverers and Rolling Coulters. . . .	1100	Omira
No. 17 Lister with two 14-inch Bottoms, complete, Shovel Coverers and Rolling Coulters. . . .		
No. 17 Lister with two 14-inch Bottoms, without Seeding Attachment, and equipped with Parallel Hitch, to be used on a Wheat Land or Middle Burster, no Rolling Coulters.	835	Omiras
Rolling Coulters with Stem and Clamp, extra.	25	Omirat

NOTE: Power-Lift Lister takes same share as Horse-Drawn Lister.

Rock Island Walking Listers



View with Moldboard and One Drive Wheel Removed to Show Subsoiler

Rock Island No. 2 Combined Lister and Drill

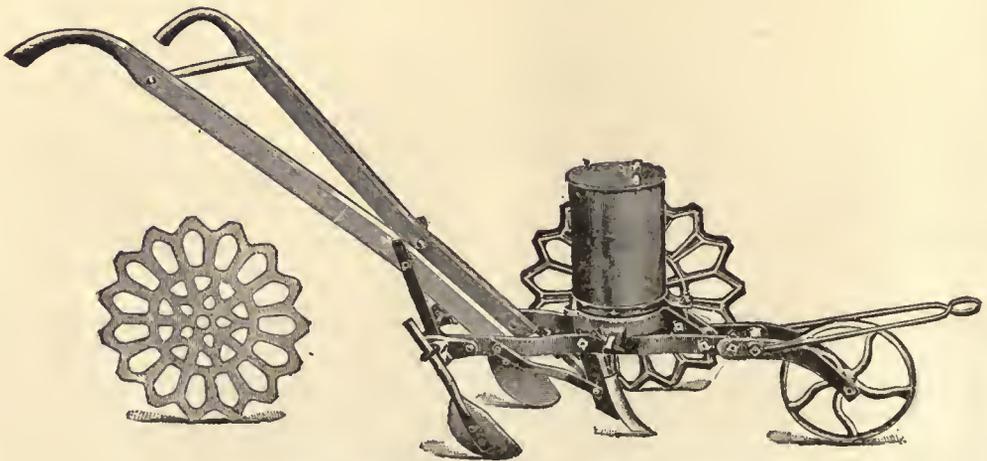
THE No. 2 Combined Lister and Drill offers individual features and combinations far exceeding machines built for similar purposes.

Subsoiler adjustment, arrangement of seed spout, and means of hanging up drill attachment call for particular notice. This machine may be used as a walking lister and subsoiler, or combined lister and drill.

Removable seed box allows seed plates to be easily changed. Bearing down on handles sufficiently to throw the plow out of the ground

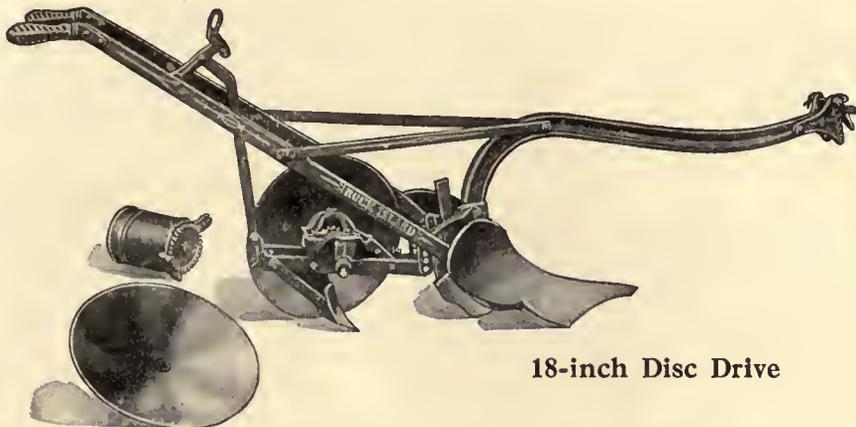
automatically hangs up drill attachment. The drive is direct, the two malleable drive wheels acting directly on the dropping mechanism. Eight seed plates are furnished as regular equipment, dropping 6, 16, 18, and 22 inches apart.

The No. 2 Separate Drill Attachment shown below has the same drive, dropping mechanism, etc., as the No. 2 Combined Lister and Drill, different handles and gauge wheel being furnished with this machine.



No. 2 Separate Drill Attachment (Shovel Coverers)

ROCK ISLAND WALKING LISTERS



18-inch Disc Drive

View with Disc and Seed Can Removed, Showing Subsoiler and Drive Mechanism

Rock Island No. 3 Walking Lister

The Rock Island No. 3 Walking Lister is built along the same lines as the No. 2, described on the preceding page, the same plate equipment and driving mechanism being used.

In place of the malleable drive wheels the No. 3 uses two 18-inch covering discs, which can be set at different angles to throw more or less dirt, as the conditions of the soil may require.

A universal joint is provided between the disc and the driving shaft, allowing free action

without any binding or friction at any angle they may be set.

The action of these large driving and covering discs, in conjunction with the subsoiler, leaves the seed bed crowned and mellow, preserving the moisture for the growing plants.

The No. 3 Drill has soft-center moldboard and share. It has steel handles, malleable grips and ample strength beam for the work required of it.

Specifications

No. 2 and No. 3 combined lister and drill

Steel beam

Subsoil attachment

NUMBER	Drive Wheel	Style of Covers	Shipping Weight Pounds	Telegraph Code
2	14-in. Direct Drive	Shovel	180	Omis
2A	14-in. Direct Drive	8-in. Disc	186	Omit
3	18-in. Disc Drive	Disc	190	Omiw
2	Separable Drill Attachment	Shovel	68	Omix
2A	Separable Drill Attachment	8-in. Disc	75	Omiy
2	No Drill	.....	112	Omiz



Rock Island Corn Planters



Rock Island No. 555 Planter on Doonan Farm near Reynolds, Ill.

Bring Bigger and Better Yields per Acre They Are Accurate

BOTH the Rock Island No. 555 "Cadet" Two-Wheel and No. 444 Four-Wheel are full hill drop planters with round hole plates—the exact number of kernels required is dropped on the upper valve while the lower valve is planting the hill. The valves are perfectly timed. You cannot mix the hills—the double valves prevent it, because one valve is always closed tight when the other is wide open—no possibility of catching and holding some of the kernels destined for the hill.

The Lower Valve is Enclosed Within Itself

The lower valve is down in the furrow, protected by the rear of the runner opener so that the kernels are dropped in a bunch. There is no stringing of

kernels. The corn is always deposited as a hill. You get a nice straight check. This means straight rows, which are easy to cross-cultivate. Many hills of corn are saved because of the ease of cultivating on account of the straight check.



The valves are enclosed in the boot and constructed so that when checking there is no opportunity for dirt to interfere and clog.

Sight Feed

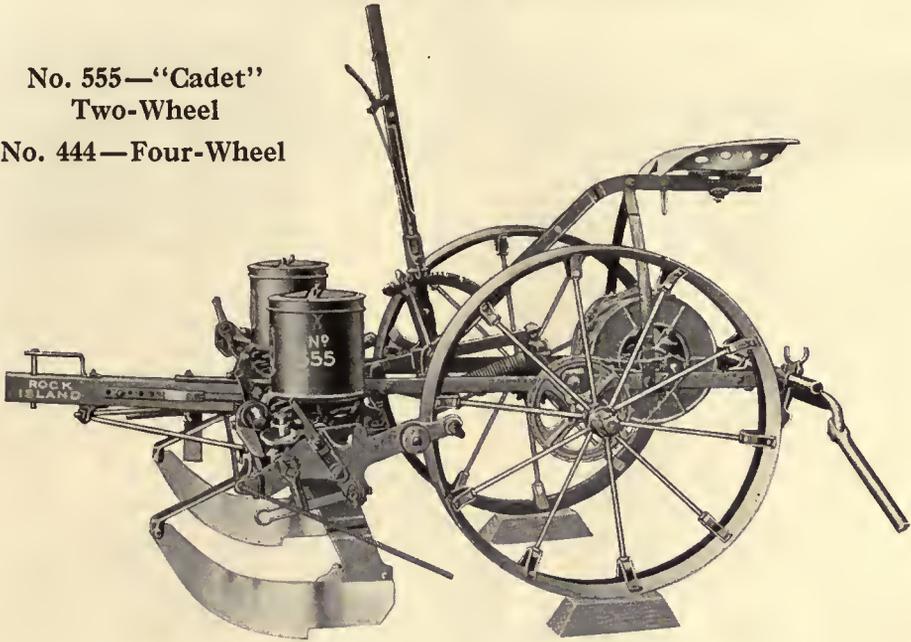
You can see the corn that is being dropped; you can tell immediately if the hopper is empty. A small glass at the upper end of the shank gives you a sight feed.

Each cell of the seed plate holds the number of kernels desired to be planted, and the right Rock

Rock Island Corn Planters

No. 555—"Cadet"
Two-Wheel

No. 444—Four-Wheel



Accurate Full-Hill Drop

Island seed plate can be furnished to handle any size or shape kernels. Round hole plates are used. The greatest care is taken in making these plates, the cells of each plate being reamed to size. Extra plates can be furnished for pop-corn, broom corn, peas, ensilage, etc.

Accuracy of drop is secured in a remarkably simple manner. A plunger from the check shaft revolves the plate, and as the button on the wire engages the check fork it causes the plunger to engage the teeth of the plate, revolving it so that a hill is deposited upon the upper valve.

Foot drop is provided for checking across ends of fields, or, in fact, whenever it is needed.

Check Heads Exceedingly Easy on Wire

The check heads used on these planters are constructed so as to be exceedingly easy on the wire. There is one idle fork, thereby reducing the wear and the friction. The low construction of the check head reduces friction on the wire. The wire is picked up at a

higher point in front and released at a lower point in the rear. It runs in its natural course. A greater factor of safety is provided for revolving the plate under varying conditions of wire—either slack or tight. The wire is automatically released from the check head when the planter is raised.

Automatic Marker

The marker is absolutely automatic. No attention need be given marker when turning at the end of the field. There are no ropes, wires, or marker bar to handle.

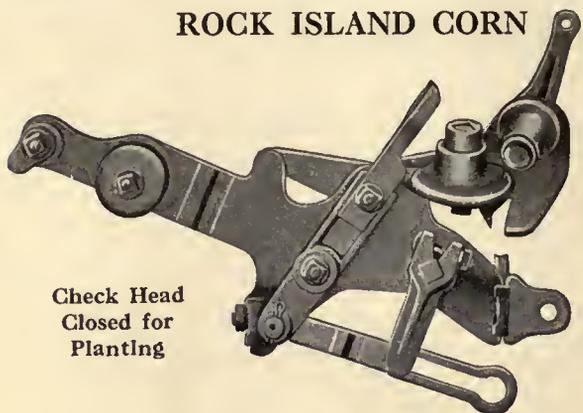
Runner Construction

The runner is built longer and wider than the ordinary planter runner, giving a steadier running planter and resulting in longer life. The runner is quick detachable—no rivets have to be cut to remove it.

Tip-Over Hopper

It is an easy, simple matter to change seed plates on the Rock Island Nos. 444 Four-Wheel and 555 "Cadet" Planters. You do not even

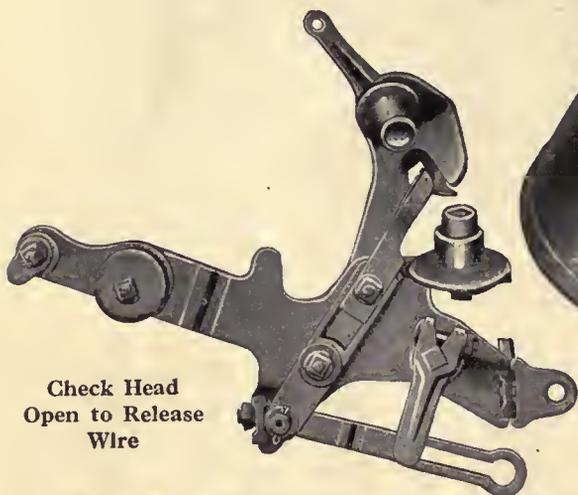
ROCK ISLAND CORN PLANTERS — Continued



Check Head Closed for Planting



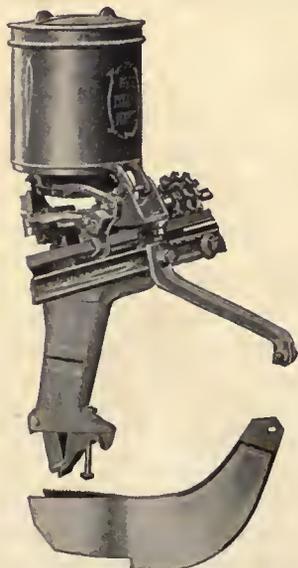
Friction Reel
Note Strong, Malleable Head



Check Head Open to Release Wire



Tip-Over Hopper



Quick Detachable Runner

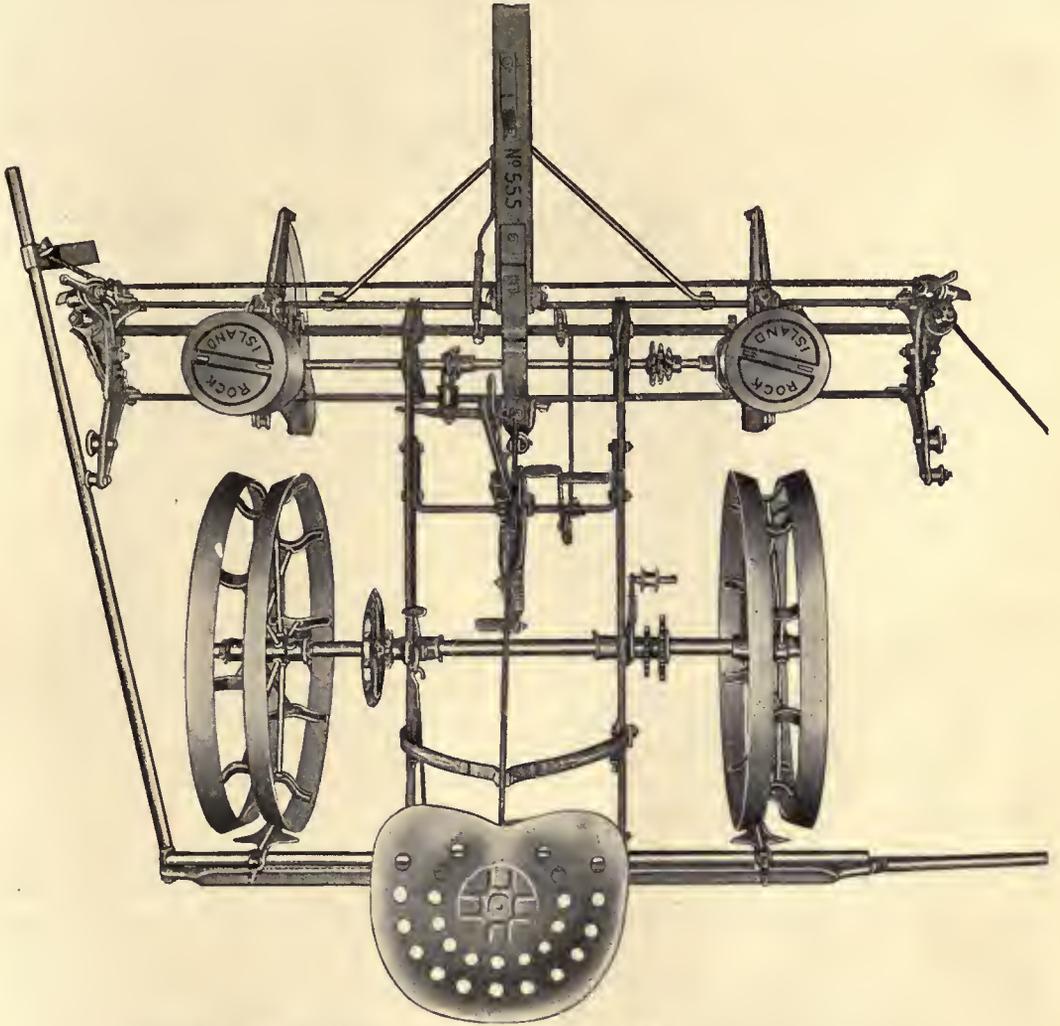


Stub Runner



Single Disc Opener

ROCK ISLAND CORN PLANTERS—Continued



Overhead View No. 555 Showing Automatic Marker—Note the Simplicity

have to remove seed from the hopper. Simply tilt the hopper forward to change the plates—and you cannot put the plates in wrong.

Can Be Used for Drilling

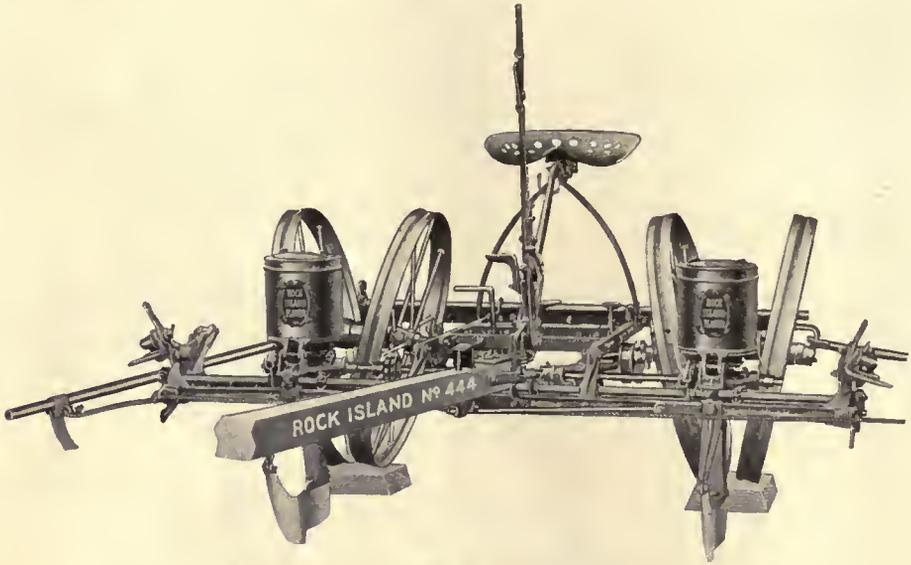
The drilling arrangement of the Rock Island Nos. 444 and 555 Planters is accurate and dependable like the hill drop. It is a built-in feature and not an attachment. It comes regular with each planter. There is always a positive and steady drive, the drill sprocket being driven from the axle. This drilling arrangement per-

mits six drilling distances with one set of plates, so that you can change drilling distances without changing plates. This drill shaft is equipped with an automatic throwout; when you raise the runners from the ground the clutch is thrown out. The planter operates only when in the ground.

Combined Hand and Foot Lever

It is very simple to handle the raising lever, for it is a combined hand and foot lever. The powerful assisting spring makes it very easy to

ROCK ISLAND CORN PLANTERS — Continued



Rock Island No. 444 Four-Wheel Planter

raise the runners out of the ground. Any boy can operate the lever. The hand latch can be locked out of the ratchet and the planter allowed to float, while the runners will penetrate an even depth. Working in hard ground, the operator can control the depth of planting by either setting the lever or by use of his foot.

Two or Four-Wheel Planters

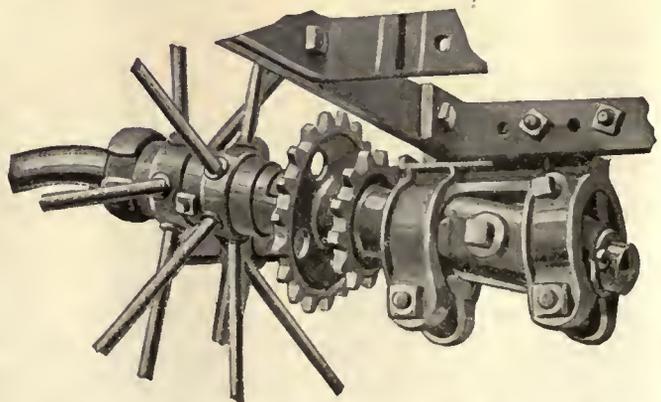
The Rock Island No. 444 and No. 555 Planters are the same general construction—the only difference is that the No. 444 has four wheels; the No. 555 has two wheels.

Some farmers prefer the Rock Island four-wheel type planter because they are of the opinion that the wheels, being close to the furrow runners, cover the seed at a more uniform depth.

Rock Island four-wheel construction has this advantage over other four-wheel planters—the wheels always run true—straight ahead on plumb spokes. The shaft upon which the wheels are carried is connected in such a way that merely loosening two bolts and turning the shaft forward or back by a set screw adjust-

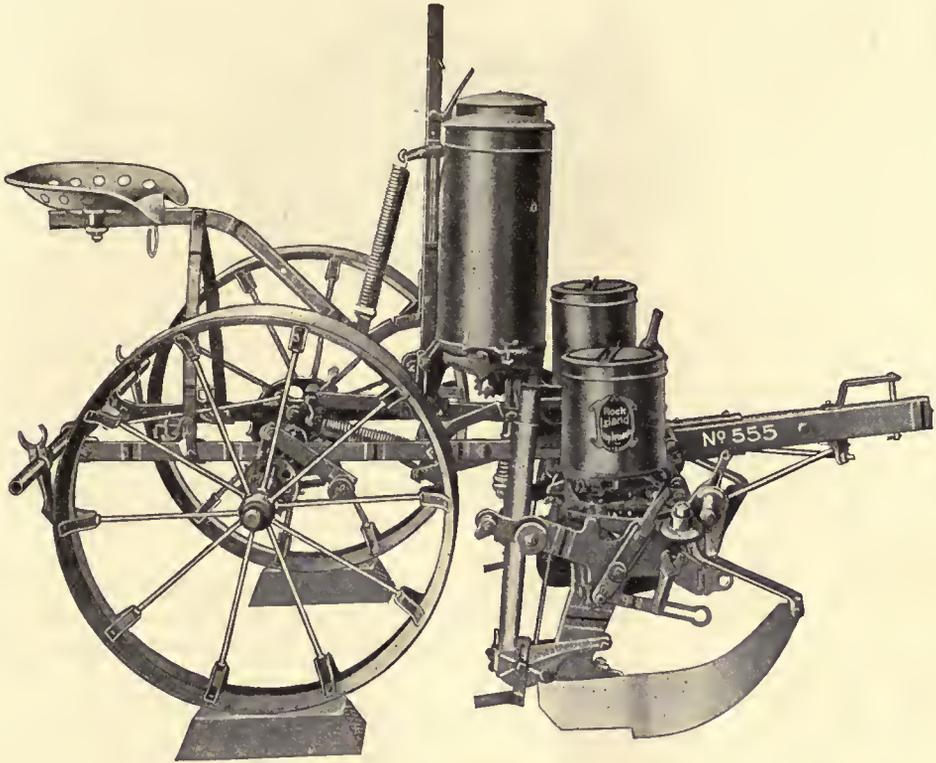
ment increases or decreases the gather of the wheels. Each set of wheels is connected with a universal collar, making both wheels drive wheels. There is no slippage either in drilling or when winding up the wire as would be the case if only one of the wheels was the drive wheel.

These wheels do not clog or choke in muddy, sticky ground. In lumpy ground the clods are pushed away from the row by the outward or spreading movement of the two wheels from the bottom as they revolve.



Adjustment for Giving Wheels of the No. 444 Four-Wheel Planter More or Less "Gather"

Rock Island Corn Planters



Rock Island No. 555 Planter with Fertilizer

Rock Island Fertilizer Attachment

THE Rock Island Fertilizer Attachment is positive in action. Fertilizer is dropped on top of the ground behind hill planted. Amount is easily regulated and attachment is automatically thrown out of gear when planter is raised out of the ground. It is easily attached to planter at any time.

It is driven by a chain from the main axle of the planter, which makes a steady and positive drive.

The feed spouts are directly behind the runner boots, and the dropping device is connected to the rock shaft of the planter in such a way that as each hill of corn is dropped the fertilizer is deposited behind it.

Due to the scatterers located at bottom of spout, a thin layer of soil separates the corn from the fertilizer so they do not come in contact.

The amount of fertilizer used can be regulated by means of a small lever at the base of each hopper. You do not have to change any of the mechanism. You lose no time. This device is simple and effective.

The attachment is automatically thrown out of gear when the planter front is raised out of the ground. Should there be places in the field where no fertilizer is required it can be thrown out of gear by means of a shifting lever, without stopping the team, or in de-



Rock Island Corn Planters



Can Bottom of Cow Pea Attachment

pressions where the soil is rich, less fertilizer need be used.

The hoppers have exceptional capacity, requiring fewer delays stopping to refill. Contents are constantly agitated to prevent packing and clogging. All parts coming in contact with the fertilizer are galvanized to prevent corrosion.

Rock Island Cow Pea Attachment

The Rock Island pea attachment consists merely of two hoppers, complete with plates, brackets, seed spouts, chain, sprockets, and in and out of gear clutch. It is driven direct from the drill shaft of the planter, and when the planter is raised out of the ground at the end of the row the pea attachment clutch is automatically disengaged so that no seed is deposited.

The attachment drops the exact number of peas with the corn. It is positive in operation and easy to attach. An exclusive feature is the improved hopper bottom, which adds to the accuracy and durability of this attachment.

On the Rock Island Cow Pea Attachment the peas and corn are in separate hoppers. Pea

hopper is large enough to accommodate a great quantity of seed, preventing the necessity of refilling so often. A tube conducts the peas from the hopper to the seed channel and the peas are dropped with the corn.

The seed plate regulates the number of peas to be dropped, the same as the corn. The drop is positive, accurate, and exceedingly simple.

Cow pea and fertilizer attachments can both be used on the Rock Island Nos. 444 Four-Wheel and 555 Cadet Two-Wheel Planters at the same time corn or other seed is being planted.

Specifications

Full hill and drill drop.

Three sets hill plates.

One set drill plates.

Thirty-inch wheels.

Automatic marker.

Complete with check rower and 80 rods wire.

Adjustable 3 ft. 4 inches to 3 ft. 8 inches.

Extras—Fertilizer and cow pea attachment (both can be used at same time seed is being planted).

Special 52-tooth ensilage sprocket and chain.

DESCRIPTION	Style of Runners	Shipping Weight Pounds	Telegraph Code
No. 444—4-wheel	Shoe	532	Plade
No. 444—4-wheel	Single Disc	557	Pladec
No. 555—Cadet 2-wheel.....	Shoe	485	Pladen
No. 555—Cadet	Single Disc	510	Pladert



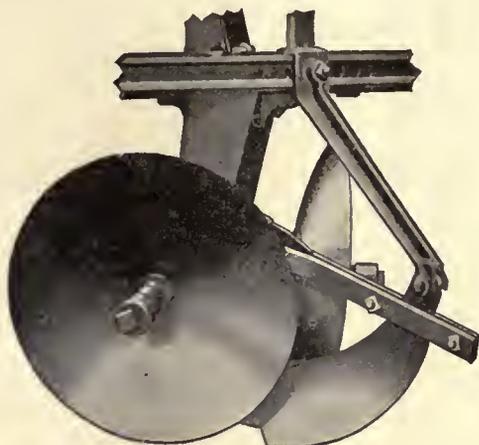
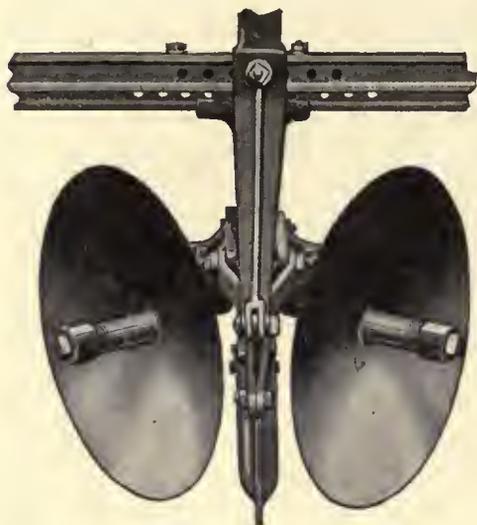
Rock Island Corn Planters

Plate Equipment Giving Approximate Drilling Distances, No. 444 and No. 555 Planters

No. of Plate	No. of Cells	Size of Cells	Thickness of Plate	Kind of Seed	Hill Drop Gauged by Wire	DRILLING DISTANCES																	
						12-TOOTH SPROCKET ON AXLE R-1032				18-TOOTH SPROCKET ON AXLE No. 444, R-2018, No. 555, R-1031				SPECIAL ENRILAGE SPROCKET 52-TOOTH ON AXLE R-2190									
Y-431	10	Diam. 3/8"	3/8"	Small Corn	Hill Only	61 Links Chain No. 444 Pltr. Chain No. 555	64 Links Chain No. 444 Pltr. Chain No. 555	63 Links Chain No. 444 Pltr. Chain No. 555	63 Links Chain No. 444 Pltr. Chain No. 555	64 Links Chain No. 444 Pltr. Chain No. 555	66 Links Chain No. 444 Pltr. Chain No. 555	67 Links Chain No. 444 Pltr. Chain No. 555	67 Links Chain No. 444 Pltr. Chain No. 555	68 Links Chain No. 444 Pltr. Chain No. 555	69 Links Chain No. 444 Pltr. Chain No. 555	86 Links Chain No. 444 Pltr. Chain No. 555	87 Links Chain No. 444 Pltr. Chain No. 555	87 Links Chain No. 444 Pltr. Chain No. 555	88 Links Chain No. 444 Pltr. Chain No. 555	89 Links Chain No. 444 Pltr. Chain No. 555	13-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-432	10	3/8"	3/8"	Medium Corn	Hill Only	12 1/2"	12 1/2"	17"	20 1/2"	8"	11 1/2"	13 1/2"	13 1/2"	11 1/2"	13 1/2"	2 3/4"	2 3/4"	2 3/4"	4"	4 3/4"	13-Tooth on Drill Shaft Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-433	10	5/8"	5/8"	Large Corn	Hill Only	12 1/2"	12 1/2"	17"	20 1/2"	8"	11 1/2"	13 1/2"	13 1/2"	11 1/2"	13 1/2"	2 3/4"	2 3/4"	2 3/4"	4"	4 3/4"	13-Tooth on Drill Shaft Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-495	10	5/8"	5/8"	Ex. Ig. Corn	Hill Only	12 1/2"	12 1/2"	17"	20 1/2"	8"	11 1/2"	13 1/2"	13 1/2"	11 1/2"	13 1/2"	2 3/4"	2 3/4"	2 3/4"	4"	4 3/4"	13-Tooth on Drill Shaft Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-437	10	1/2"	1/2"	Ex. Sm. Corn	Hill Only	12 1/2"	12 1/2"	17"	20 1/2"	8"	11 1/2"	13 1/2"	13 1/2"	11 1/2"	13 1/2"	2 3/4"	2 3/4"	2 3/4"	4"	4 3/4"	13-Tooth on Drill Shaft Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-438	10 Boss Blank	.....	.....	Drill to Suit	Gauged by Sprockets	12 1/2"	12 1/2"	17"	20 1/2"	8"	11 1/2"	13 1/2"	13 1/2"	11 1/2"	13 1/2"	2 3/4"	2 3/4"	2 3/4"	4"	4 3/4"	13-Tooth on Drill Shaft Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-434	10	3/8"	3/8"	Small Corn	Drill Only	7"	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-435	10	5/8"	5/8"	Medium Corn	Drill Only	As	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-436	10	3/4"	3/4"	Large Corn	Drill Only	As	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-439	18	3/8"	3/8"	Kaffir, Broom Sorghum	Drill Only	As	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-440	Blank	.....	.....	.....	Drill Only	As	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-441	10	3/8"	3/8"	Small Corn	Drill Only	As	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-442	10	5/8"	5/8"	Medium Corn	Drill Only	As	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-443	10	3/4"	3/4"	Large Corn	Drill Only	As	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-444	Blank	.....	.....	.....	Drill Only	As	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96
Y-453	10	5/8"	5/8"	Small Bean	Drill Only	As	12 1/2"	As	11"	4 1/2"	As	6 1/2"	7 1/2"	6 1/2"	7 1/2"	1 5/8"	1 5/8"	1 5/8"	2 1/4"	2 5/8"	8-Tooth on Drill Shaft R-1027 Y-96	11-Tooth on Drill Shaft Y-95	13-Tooth on Drill Shaft Y-96



Rock Island Planters



Universal Disk Furrow Opener

IN SOME sections of the country where there is a lack of moisture, it is often desirable to plant the corn in a furrow, the same as when an ordinary lister is used. The ground is first plowed and thoroughly pulverized, and then the Rock Island Disk Furrow Opener is attached to the runner of the planter, and the corn planted in the furrow much the same as when a lister is used.

It will be seen that by this method the hard ridges left by the ordinary lister are done away with. The pulverized ridges left by the disk furrow opener retain the moisture, and there is less liability of washing out the corn. Cultivating will also be much more thoroughly and satisfactorily done. It will also be found to be desirable in late planting, because the action of the disks kills any weeds which may have started.

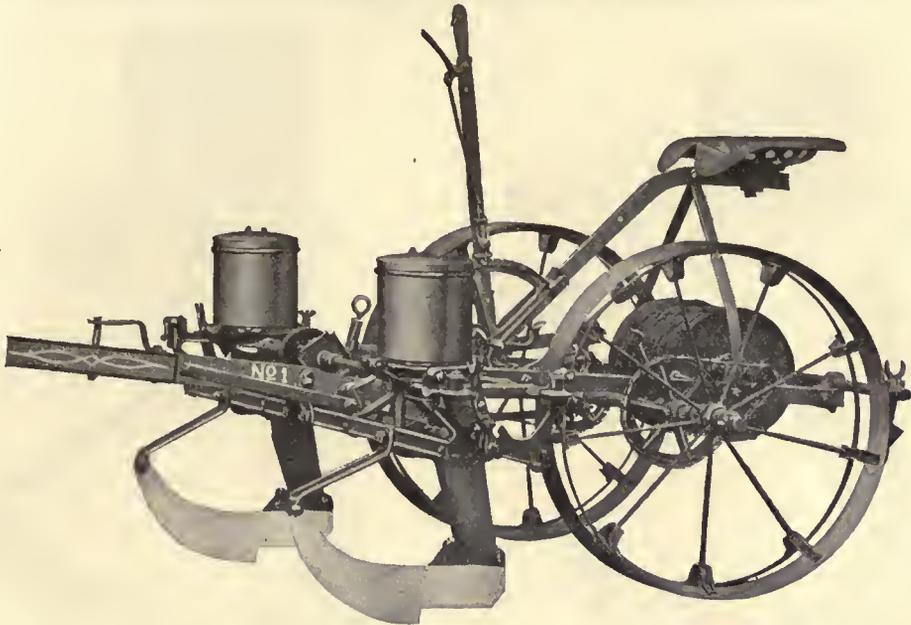
The Rock Island Disk Furrow Opener is made in two sizes, 12-inch and 14-inch disks. It is practically a universal device, fitting nearly all makes of round runner planters, but we only guarantee it to fit Rock Island Round Runner Planters.

The disks are adjustable up or down with relation to the runner, and should be set high enough to allow sufficient earth for the runner to open a furrow and cover the corn. The disks are also adjustable as to angle, so that a narrow or wide furrow can be opened, as desired. This depends largely on the condition and nature of the soil.

The Rock Island Disk Furrow Opener is made of the very best material, and has extra long bearings for the disks. The disks have dust-proof bearings and are oiled by means of a screw cap oiler.



Convertible Edge or Flat Drop Planter



Rock Island No. 1 Corn Planter

THE Rock Island No. 1 Planter is noted for its accuracy—it is built right—operates right—and is durable. It can be used either as a flat-drop or as an edge-drop planter.

The hopper bottom is raised in the center and slopes in all directions. The seed plates have the cells in the outer edge, with a flange on the edge-drop plates just inside the cells.

This flange projects upward into the mass of seed in the hopper, agitating the seed and turning the kernels edgewise into the cells. This construction makes a practically perfect drop with selected seed. The hopper base forms the outside wall of the seed cells, and between the front of the cut-off and the knocker this outside wall is cut away, increasing the width of the cells at this point. This is very important if unselected seed is used, as it permits the thick kernels to settle down in the cells before reaching the knocker. If a surplus kernel is drawn under the cutoff, it falls into the by-pass inside the seed channel. The plate then carries it past the knocker and returns it to the hopper instead of dropping it.

The lower side of cut-off, which comes in contact with the corn, is rounded—it does not

wear on the plate and cannot wear sharp and cut into the kernels.

Convertible Edge and Flat Drop Planter

To change the plates is an easy matter. The hopper tips forward. You do not have to re-



Bottom of Seed Box Construction Insures High Degree of Accuracy

ROCK ISLAND No. 1 CORN PLANTER—Continued



Set for Drilling



Set for Hill-Dropping

Rock Island No. 1 Planter Valve Mechanism

move the seed from the can. The gears stay in mesh and cannot get out of time.

The dropping valves are exceedingly simple, positive and accurate, and do not mix hills.

Positive Valves

Change from hill dropping to drilling is made instantly—no wrenches required. You do not have to stop the team or leave seat.

A Variable Drop

Unless the land is exceptionally level, parts of the same fields will vary in fertility.

Too much corn on poor ground means small ears and a poor stand, while there is a loss if all the corn the richness of the soil will produce is not raised.

To meet varying conditions requires a durable and dependable variable device.

The Rock Island variable device is the most simple on the market, fewer parts to wear and give trouble, no gears to get out of time. No wear on the variable when planting four kernels in hill or when drilling. The only time the variable is operative is when planting either two or three kernels to the hill.

The Rock Island variable device makes a positive stop at the end of each stroke. All wear is removed from the driving dog, as the clutch wheel travels ahead of the dog at the point of disengagement or release. There being no contact, there can be no wear.

Positive Clutch

The Rock Island clutch is most positive. There is no possibility of the wire doing the work the wheels and clutch should do. This relieves the strain from the wire and avoids the common trouble.

ROCK ISLAND No. 1 CORN PLANTER—Continued

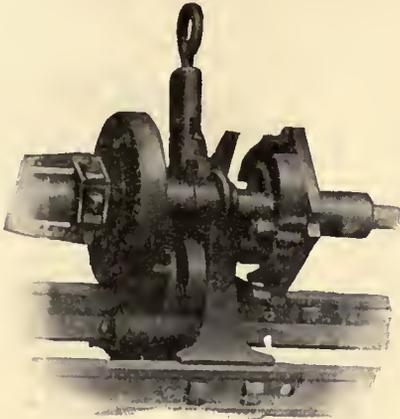


Fig. 1

Detail of Automatic Clutch and Variable Device

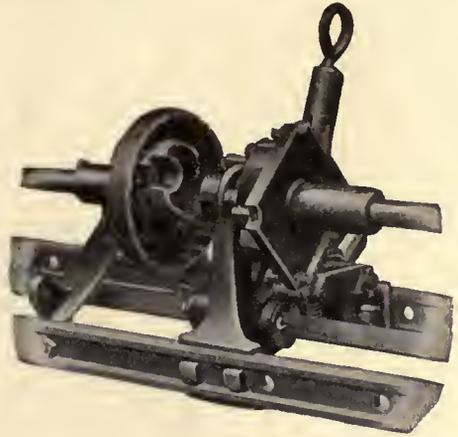


Fig. 2

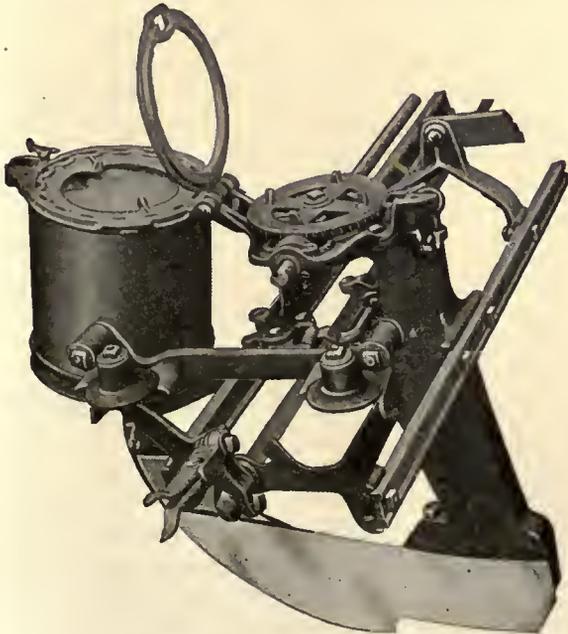
In the operation of the wire on the forks the wire only operates the valve and releases the clutch.

The Rock Island clutch is an improved pattern, having an internal clutch wheel and eccentric driving dog with a friction roller that engages the notches of the clutch wheel, and

the more the power or load is applied to the driving dog, the tighter becomes the grip.

As the dog disengages from clutch wheel at the end of each stroke, it rolls out of the notches. This makes the planter more accurate and satisfactory.

The clutch is made with large, wide, generous bearings, as nearly dust-proof as possible, and experience has proven that this clutch is exceptionally long-lived.



Tip Over Hoppers Seed Plates Easily Changed

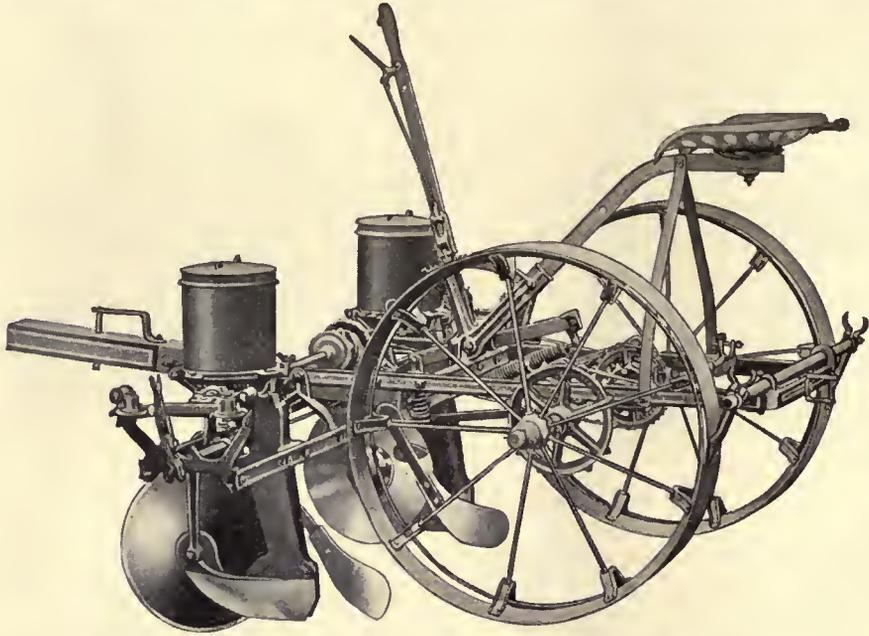
Plants at Uniform Depth

Corn is planted at uniform depth with the Rock Island No. 1 Planter. The connection between the raising lever and rear end of pole is provided with a pressure spring, affording a flexible connection when the planter is used in uneven ground. This insures an even depth of planting.

The raising lever is a combined hand-and-foot lever. A powerful assisting spring makes it easy to lift runners out of the ground.

The hand latch may be locked out of the ratchet and the planter allowed to float while the operator can control the depth of planting with his feet.

ROCK ISLAND No. 1 CORN PLANTER—Continued



Rock Island No. 1 Planter Equipped with Single Disc Furrow Openers

A foot pedal is provided for foot-dropping across the ends of rows.

A Malleable Head Friction Reel

The wire reel will not bend out of shape, or come apart when dropped. The reel is conveniently located underneath seat in center of frame.

The friction reel saves time and labor both in stretching and taking up the wire.

A Substantially Built Planter

The planter is made strong and durable throughout. The frame is flat bar steel, very

strong and rigid. The front frame is bound together in such a way as to insure perfect freedom to all working parts.

The No. 1 is thoroughly standardized. Either 30- or 36-inch concave or open wheels may be furnished. Shoe, stub and single disc runners are interchangeable, without affecting any other part of the planter.

The width is adjustable from 3 feet 4 inches to 4 feet. The change is easily and quickly made. There are no set-screws to loosen or reset, so the gears will not get out of time.

Plates furnished suit average seed corn. Special plates to suit all seed can be furnished See table.

Automatic Marker

The No. 1 Planter is furnished regularly with automatic marker. This marker needs no attention of operator, no rope to throw over at end of each row—absolutely takes care of itself. Disc marker can be furnished if desired.



Non-Destructible Friction Reel



Seed Plates for Rock Island Nos. 1, 4, 10 and 33 Planters

Number of Seed Plate	Number of Seed Cells	Size of Seed	Style of Plate	Kind of Seed	Approximate Drilling Distance, 30" Wheel				Approximate Drilling Distance, 36" Wheel			
					20-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	14-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	11-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	40-Pt. Ensilage Sprocket—6-Pt. Sprocket on Feed Shaft	22-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	18-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	14-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	40-Pt. Ensilage Sprocket—6-Pt. Sprocket on Feed Shaft
Y 730	16	Ex. small	Edge	Corn	7"	10"	13"	3 1/2"	9"	9"	13"	4"
Y 731	16	Small	Edge	Corn	7"	10"	13"	3 1/2"	9"	9"	13"	4"
Y 732	16	Medium	Edge	Corn	7"	10"	13"	3 1/2"	9"	9"	13"	4"
Y 733	16	Large	Edge	Corn	7"	10"	13"	3 1/2"	9"	9"	13"	4"
Y 734	16	Ex. large	Edge	Corn	7"	10"	13"	3 1/2"	9"	9"	13"	4"
Y 752	16	Small	Flat	Corn	7"	10"	13"	3 1/2"	9"	9"	13"	4"
Y 753	16	Medium	Flat	Corn	7"	10"	13"	3 1/2"	9"	9"	13"	4"
Y 754	16	Large	Flat	Corn	7"	10"	13"	3 1/2"	9"	9"	13"	4"
Y 804	16	.....	Edge	Sorghum Broom	7"	10"	13"	3 1/2"	9"	9"	13"	4"
Y 805	.....	Blank	Edge	Corn and Feterita Drill 1/4" hole for turnips and celery. Drill 1/8" hole for millet								
Y 806	16	Small	Edge	Popcorn Cow pea	7	10	13	3 1/2	8	9	13	4
Y 807	16	Medium	Edge	Popcorn, Beans and Black Soy Beans	7	10	13	3 1/2	8	9	13	4
Y 808	16	Large	Edge	Popcorn, Beans	7	10	13	3 1/2	8	9	13	4
Y 809	12	Small	Edge	Corn	9	13	17	4 1/2	10	12	17	6
Y 810	12	Medium	Edge	Corn	9	13	17	4 1/2	10	12	17	6
Y 811	12	Large	Edge	Corn	9	13	17	4 1/2	10	12	17	6
Y 812	8	Small	Edge	Corn	14	20	26	7	16	18	26	8
Y 813	8	Medium	Edge	Corn	14	20	26	7	16	18	26	8
Y 814	8	Large	Edge	Corn	14	20	26	7	16	18	26	8
Y 818	14	Small	Edge	Corn	8	11	15	4	9	11	15	5
Y 819	14	Medium	Edge	Corn	8	11	15	4	9	11	15	5
Y 820	14	Large	Edge	Corn	8	11	15	4	9	11	15	5
*Y 821	10	Small	Edge	Corn	11	16	21	5 1/2	12	15	21	7
*Y 822	10	Medium	Edge	Corn	11	16	21	5 1/2	12	15	21	7
*Y 823	10	Large	Edge	Corn	11	16	21	5 1/2	12	15	21	7
Y 824	6	Small	Edge	Corn	18	26	34	9	20	24	34	12
Y 825	6	Medium	Edge	Corn	18	26	34	9	20	24	34	12
Y 826	6	Large	Edge	Corn	18	26	34	9	20	24	34	12
Y 831	14	Small	Flat	Corn and Country Gentleman Sweet Corn	8	11	15	4	9	11	15	5
Y 832	14	Medium	Flat	Corn	8	11	15	4	9	11	15	5
Y 833	14	Large	Flat	Corn	8	11	15	4	9	11	15	5
Y 834	12	Small	Flat	Corn	9	13	17	4 1/2	10	12	17	6
Y 835	12	Medium	Flat	Corn	9	13	17	4 1/2	10	12	17	6
Y 836	12	Large	Flat	Corn	9	13	17	4 1/2	10	12	17	6
Y 837	10	Small	Flat	Corn	11	16	21	5 1/2	12	15	21	7
Y 838	10	Medium	Flat	Corn	11	16	21	5 1/2	12	15	21	7
Y 839	10	Large	Flat	Corn	11	16	21	5 1/2	12	15	21	7
Y 840	8	Small	Flat	Corn	14	20	26	7	16	18	26	8
Y 841	8	Medium	Flat	Corn	14	20	26	7	16	18	26	8
Y 842	8	Large	Flat	Corn	14	20	26	7	16	18	26	8
Y 843	6	Small	Flat	Corn	18	26	34	9	20	24	34	12
Y 844	6	Medium	Flat	Corn	18	26	34	9	20	24	34	12
Y 845	6	Large	Flat	Corn	18	26	34	9	20	24	34	12
Y 871	16	Small	Flat	Corn	7	10	13	3 1/2	8	9	13	4
Y 872	16	Medium	Flat	Corn	7	10	13	3 1/2	8	9	13	4
Y 873	16	Large	Flat	Corn	7	10	13	3 1/2	8	9	13	4
Y 874	14	Small	Flat	Corn	8	11	15	4	9	11	15	5
Y 875	14	Medium	Flat	Corn	8	11	15	4	9	11	15	5
Y 876	14	Large	Flat	Corn	8	11	15	4	9	11	15	5
Y 877	12	Small	Flat	Corn	9	13	17	4 1/2	10	12	17	6
Y 878	12	Medium	Flat	Corn	9	13	17	4 1/2	10	12	17	6
Y 879	12	Large	Flat	Corn	9	13	17	4 1/2	10	12	17	6
*Y 880	10	Small	Flat	Corn	11	16	21	5 1/2	12	15	21	7
*Y 881	10	Medium	Flat	Corn	11	16	21	5 1/2	12	15	21	7
*Y 882	10	Large	Flat	Corn	11	16	21	5 1/2	12	15	21	7
Y 883	8	Small	Flat	Corn	14	20	26	7	16	18	26	8
Y 884	8	Medium	Flat	Corn	14	20	26	7	16	18	26	8
Y 885	8	Large	Flat	Corn	14	20	26	7	16	18	26	8
Y 886	6	Small	Flat	Corn	18	26	34	9	20	24	34	12
Y 887	6	Medium	Flat	Corn	18	26	34	9	20	24	34	12
Y 888	6	Large	Flat	Corn	18	26	34	9	20	24	34	12
Y 889	16	Small	Flat	Popcorn Cow pea	7	10	13	3 1/2	8	9	13	4
Y 890	16	Medium	Flat	Popcorn, Soy Beans (Tan) and Sugar Beets	7	10	13	3 1/2	8	9	13	4

*Plates for alternating 2 and 3 kernels in hill on No. 1 Planter. Be sure to set variable lever on "4."



SEED PLATES FOR ROCK ISLAND Nos. 1, 4, 10 AND 33 PLANTERS—Continued

Number of Seed Plate	Number of Seed Cells	Size of Seed	Style of Plate	Kind of Seed	Approximate Drilling Distance, 30" Wheel				Approximate Drilling Distance, 36" Wheel				
					20-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	14-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	11-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	40-Pt. Ensilage Sprocket—6-Pt. Sprocket on Feed Shaft	22-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	18-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	14-Pt. Sprocket on Axle—6-Pt. Sprocket on Feed Shaft	40-Pt. Ensilage Sprocket—6-Pt. Sprocket on Feed Shaft	
Y 891	16	Large	Flat	Popcorn, Large									
Y 892	.....	Blank	Flat	Yellow Soy Beans	7	10	13	3½	8	9	13	4	
				Drill 1/4" hole for turnips and celery.									
				Drill 1/2" hole for millet.									
				Drill 1/2" hole for popcorn and cow peas									
Y 893	16	.....	Flat	Sorghum, Broom	7	10	13	3½		9	13	4	
Y 905	16	Medium	Flat	Hickory corn	7	10	13	3½	8	9	13	4	
Y 906	12	Medium	Flat	Hickory corn	9	13	17	4½	10	12	17	6	
Y 907	8	Medium	Flat	Hickory corn	14	20	26	7	16	18	26	8	
Y 909	16	Small	Thick	Ensilage	7	10	13	3½	8	9	13	4	
Y 910	16	Medium	Thick	Ensilage	7	10	13	3½	8	9	13	4	
Y 911	16	Large	Thick	Ensilage	7	10	13	3½	8	9	13	4	
Y 912	20	Small	Edge	Beans	5½	8	10	2½	6	7	11	3	
Y 914	16	Ex. small	Flat	Corn	7	10	13	3½	8	9	13	4	
Y 927	16	Small	Edge	Yellow Dent	7	10	13	3½	8	9	13	4	
Y 928	16	Medium	Edge	Yellow Dent and Country Gentleman									
				Sweet Corn	7	10	13	3½	8	9	13	4	
Y 929	16	Large	Edge	Yellow Dent	7	10	13	3½	8	9	13	4	
R1213	30	Large	Edge	Beans	3½	5	6½	1½	4	5	6	2	
R1349	4	Large	Edge	Corn	28	40	51	14	31	37	48	17	
R1352	16	Ex. large	Thick	Lima beans	7	10	13	3½	8	9	13	4	
*R1548	16	Small	Edge	Popcorn	7	10	13	3½	8	9	13	4	
				Baby rice	7	10	13	3½	8	9	13	4	

*Use special plate holder R-1524.

All regular corn plates for No. 1 Planter have 16 cells, and by means of variable drop mechanism, two, three, or four kernels can be dropped in each hill. The change is made by shifting variable lever without stopping team. For drilling, be sure to set variable lever on "4."

For best results, be sure you have the right seed plate before planting. If you do not have the right seed plate send us sample of your seed, stating how you want to plant it, and we will furnish the correct plate for seed to be planted.

The No. 4 Planter is not a variable drop but

it is an automatic hill drop, and will plant in hills without wire, approximately 28, 40, and 50 inches apart and with special 40 tooth sprocket 14 inches apart. Plates have to be changed for changing number of kernels in hill. 16-cell plate plants 4 kernels in hill, 12-cell plate plants 3 kernels in hill, and 8-cell plate plants 2 kernels in hill.

The Nos. 10 and 33 (Drill only) Planters have extra 10 tooth sprockets on drill shafts, and with 16-cell plate 30 or 36" wheels, will drill approximately 12, 17, and 21 inches apart.



Rock Island No. 1 Corn Planter



Rock Island No. 1 Planter with Fertilizer

THE Rock Island Fertilizer Attachment has a steady and positive drive.

The feed spouts are directly behind the runner boots, and the dropping device is connected to the rock shaft of the planter in such a way that as each hill of corn is dropped, the fertilizer is deposited around it. A thin layer of soil separating the corn from the fertilizer. A scatterer located at bottom of feed spout insures this. The amount of fertilizer used can be regulated by means of a small lever at the base of each hopper.

The attachment is automatically thrown out of gear when the planter front is raised out of the ground. Should there be places in the field where no fertilizer is required, you can throw it out of gear by means of a shifting

lever, without stopping the team. The hoppers have exceptional capacity. The contents are constantly agitated to prevent packing and clogging.

Special Ensilage Sprocket

An Ensilage sprocket can be furnished for the Rock Island No. 1. It is a split sprocket and easily attached. This sprocket permits the drilling of corn 3½ inches apart with a 16-hole plate, or 2½ inches apart with a 20-hole plate.

Cow Pea Attachment

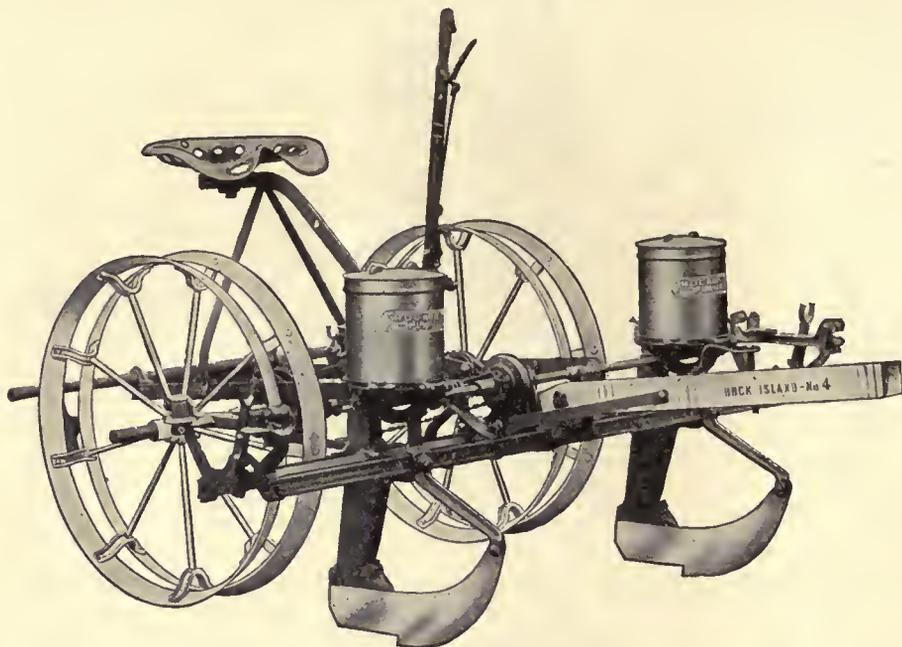
Cow Pea attachment can be furnished which drops peas at the same time corn is being planted. The Cow Pea and Fertilizer attachment cannot be used at the same time.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 1 Planter, Concave 30-in. Wheels Shoe Runner	479	Plant
No. 1 Planter, Open 30-in. Wheels Shoe Runner	486	Planted
No. 1 Planter, Concave 36-in. Wheels Shoe Runner	503	Planting
No. 1 Planter, Open 36-in. Wheels Shoe Runner	512	Plants
Fertilizer Attachment for 30-in or 36-in Wheels .....	...	.....
Cow Pea Attachment for 30-in or 36-in Wheels .....	...	.....

When ordering, specify whether shoe, stub, or single disc openers are desired.



For Corn, Beans, etc.—Can be Adjusted for Narrow Rows



Rock Island No. 4 Planter

THIS planter is adjustable from 28 to 44 inches. This narrow adjustment makes the Rock Island No. 4 particularly adaptable for beans, peas, etc. If desired to plant in rows closer together than 28 inches, the field can be double-planted by straddling every second row, making rows 14 to 22 inches apart.

Automatic Hill Drop

The crop can be planted in hills with or without using the wire. The automatic hill drop plants hills either 28, 40, or 50 inches apart as desired, and is a very simple, easy method of planting where no cross cultivation is required.

Convertible Drop

Either edge or flat drop plates can be used with the Rock Island No. 4 Planter, also straight flat drop for extra wide kernels can be furnished.

The sloping hopper bottom, specially designed cut-off and knocker make the No. 4 Planter accurate.

Planter can be Used as a Drill

The plates regularly furnished will drill 7 to 26 inches apart. The changes are effected by using different sprocket wheels on the axle and plates with different sprocket numbers of holes. Special plates can be furnished if desired.

Even Depth Planting

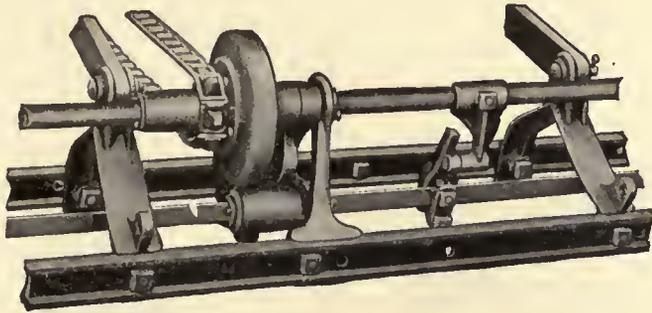
The connection between the raising lever and rear end of pole is provided with a pressure spring. This affords a flexible connection—very desirable when planter is used on uneven ground. It insures even depth of planting and greatly reduces danger of breakage when the runners encounter a ridge or when the wheels drop into a depression.

Valve Mechanism

Each valve holds a hill of corn. The stroke of the check fork quickly opens and closes both valves. The lower hill of corn is dropped into the ground and the upper hill dropped to the lower valve. The clutch engages the drill



ROCK ISLAND No. 4 PLANTER — Continued



Automatic Hill Drop (No Variable Drop)

An Arm on the Drill Shaft trips an Arm on the Valve Shaft. Notice that the Arm on Drill Shaft has a Roller—no friction when it encounters the Arm on Valve Shaft, hence easy operation and long life.

shaft and another hill of corn is deposited on the upper valve. Thus the second stroke of the check fork finds a hill of corn waiting at each valve. This drop is simple, positive, and accurate.

The kick-back valve cannot clog in sticky ground, and places the hills in perfect check.

Easy on Wire

There is practically no strain on the wire, as the check forks do nothing but work the valve. Everything else is driven by the chain from the axle.

The check heads are made to insure quick and free delivery of the wire when they are unlocked.

Automatic Clutch

The clutch used on this planter is simple, positive and durable.

The clutch engages at the proper time and gives a full hill. The greater the strain thrown on it the tighter it grips.

The driving dog has an anti-friction roller, which engages the notches of the clutch wheel.

There is also a roller on the stop, which

trips the clutch. This insures ease and smoothness of operation.

The bearings of this clutch are very wide, and are protected from dust as far as possible. These features add very greatly to the durability of the clutch.

The wire does nothing but trip the valve shaft. This operates the valves and releases the driving dog from the stop, permitting it to engage the clutch wheel.

The wire can't be made to do any of the work that the wheels, drive chain and clutch should do.

Specifications

Convertible drop; either edge or flat drop plates.

Hill drop—Either wire or automatic. Can be used as drill only—Foot drop.

Wheels—30-inch, open tires, regular; concave when so ordered.

Sight feed.

Tip-over hoppers.

Friction reel.

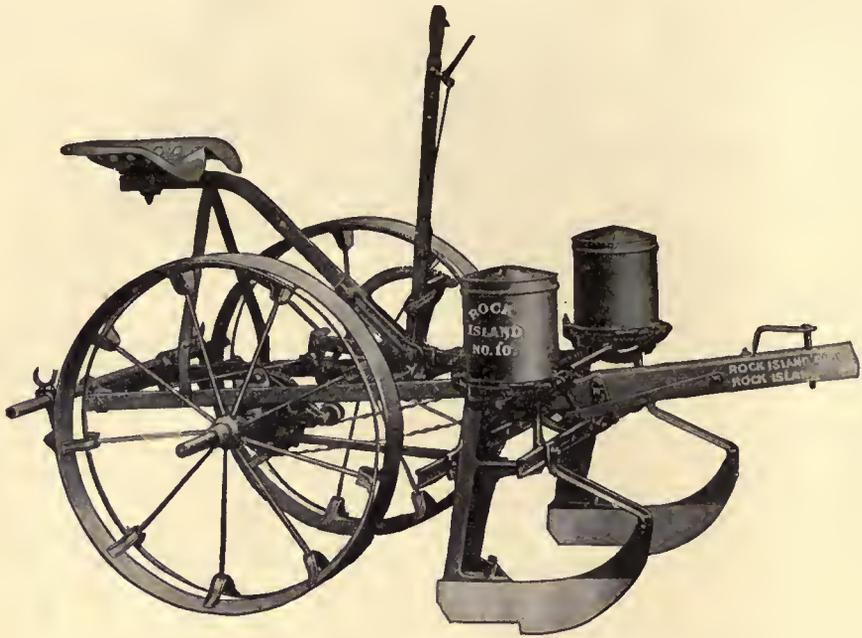
Disc marker.

Extras: Fertilizer attachment; Single disc or stub runner and automatic marker.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 4 Planter, Open 30-in. Wheels Shoe Runner	469	Plantage



A Two-Row Planter For Drilling Only



Rock Island No. 10 Planter

THE Rock Island No. 10 Planter, is a very popular type of planter in many parts of the United States.

It is a drill only and is equipped with convertible drop—either edge or flat drop plates can be used, or as a flat drop only—both accurate. Hopper bottoms are the same as used on Rock Island No. 1 Planters.

It is adjustable in width 28 to 44 inches—therefore can be used for planting a big variety of crops. Six different drilling distances with each set of plates. Automatically thrown out

of gear when raised. The No. 10 is perfectly balanced and easily operated.

Specifications

Drill only.

Convertible drop. Edge and flat drop plates or flat drop only.

Open 30- or 36-inch wheels regular—concave when so ordered.

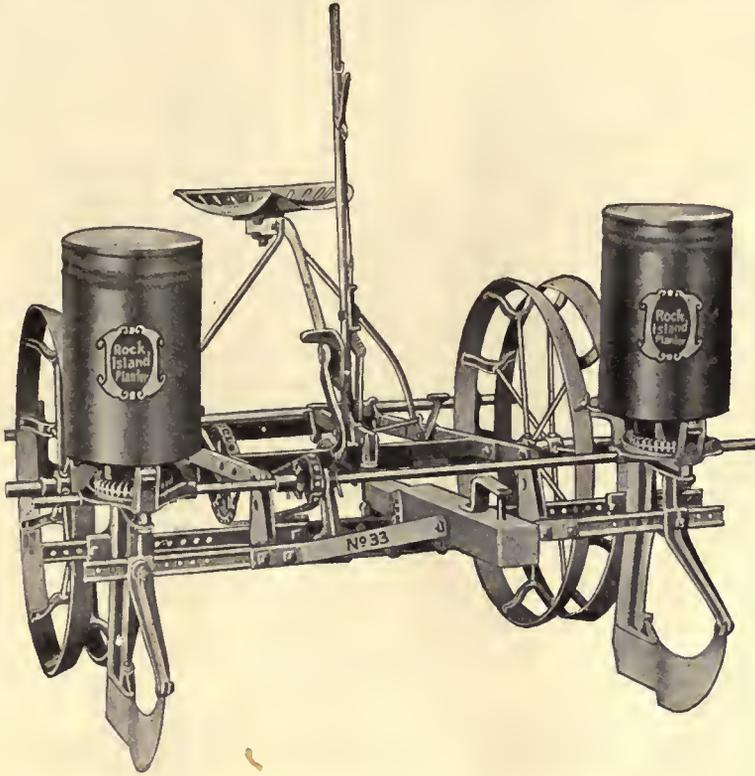
Disc marker regular—automatic marker extra.

Fertilizer attachment, stub runners, or single disc runner extra.

Trade Number	DESCRIPTION	Shipping Weight Pounds	Telegraph Code
10	Two-row Corn Drill, 30-inch Concave Wheel.....	345	Tacy
10	Two-row Corn Drill, 30-inch Open Wheel.....	330	Tad
10	Two-row Corn Drill, 36-inch Concave Wheel.....	370	Tadg
10	Two-row Corn Drill, 36-inch Open Wheel.....	355	Tadi



For Planting Cotton, Corn, and Other Seed



Rock Island No. 33 Cotton and Corn Planter Drill Only

THE Rock Island No. 33 will plant a great variety of seeds, including cotton, corn, kaffir and other seeds.

Rock Island Rotary Cotton Drop

The No. 33 will plant cotton at an even depth, in as large or as small a quantity as desired. The agitator and the feed wheel working against each other separate the matted cotton seed, and the teeth of the feed wheel delivers the seed evenly into the spout. The feed wheel is notched—it delivers seed evenly—not in bunches. Quantity planted is regulated by sliding the feed gate in or out.

Flat Drop Seed Plates

Seed plates can be furnished for practically any kind of corn, including Hickory King, and

for other seeds, and give a wide range of dropping distances. Six different drilling distances with each set of plates. Flat drop seed plates, which together with improved Rock Island hopper construction, have proved highly satisfactory, are used.

Seed cans are easily and quickly removed to clean out the seed, to change seed plates, or to change from corn to cotton planting and back to corn planting.

Planter is thrown into gear by releasing the foot lever and out of gear by pressing this lever down.

The substantial, well braced, simply constructed frame, double bearing drill shaft under each hopper, large capacity seed cans, wheel scrapers, and convenient automatic marker



Rock Island No. 33 Planter



Rock Island No. 33 Planter with Fertilizer

are other features which make the Rock Island No. 33 Planter do good work for many years.

Fertilizer Attachment

The Rock Island No. 33 Planter can be furnished with attachment which handles any standard fertilizer at the same time seed is planted. Merely move the lever at base of fertilizer hoppers to regulate amount used. Fertilizer parts can be thrown out

of gear independently of the seed planting parts.

Specifications

Rotary picker wheel cotton drop.

Flat plate corn drop.

Drill only.

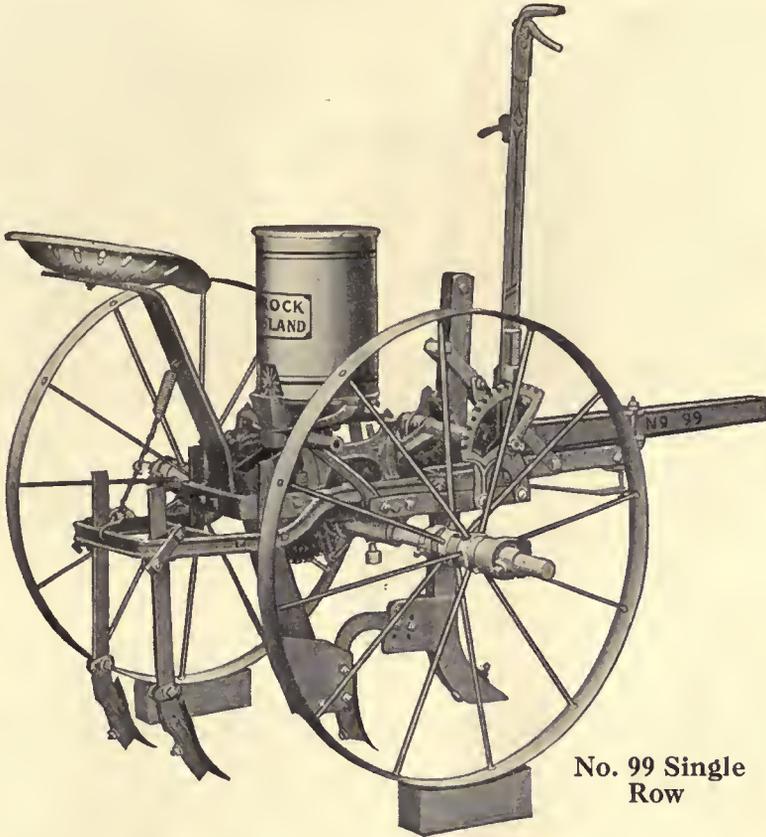
30-inch or 36-inch open wheels—automatic marker.

Adjustable 2 feet 8 inches to 4 feet.

DESCRIPTION	Weight	Code
No. 33 Open Wheels, 30-inch, Shoe Runner	400	Taeter
No. 33 Open Wheels, 36-inch, Shoe Runner	429	Taeto
No. 33 Open Wheels, 30-inch, Single Disc	430	Taetop
No. 33 Open Wheels, 36-inch, Single Disc	459	Taetoz

Extras: Fertilizer attachment, cow pea attachment, two-horse evener, disc marker, closed wheels if ordered.

Single Seed Variable Drop Cotton and Corn Planters



No. 99 Single
Row

Rock Island Nos. 99 and 299 Cotton and Corn Planters

THE Rock Island Nos. 99 and 299 are "single-seed," variable drop cotton planters, and round hole plate, corn planters with variable drop. They plant perfectly on beds or in furrows and do not bunch, scatter, or crack cotton seed. The corn drop is accurate and does not grind maize or kaffir.

The No. 99 is one row; No. 299 is two row.

Uniform Cotton Drop

The Rock Island Single Seed Cotton Drop has proved where the drop is uniform the quantity of seed planted can be reduced, thus not only saving high-priced seed, but a great deal of labor in chopping.

The cotton plate has a series of cells at the

outer edge. The plate and cells are so shaped that the seed is forced into the cells. The agitator attached to the plate forces the cotton seed toward the cells and prevents bridging.

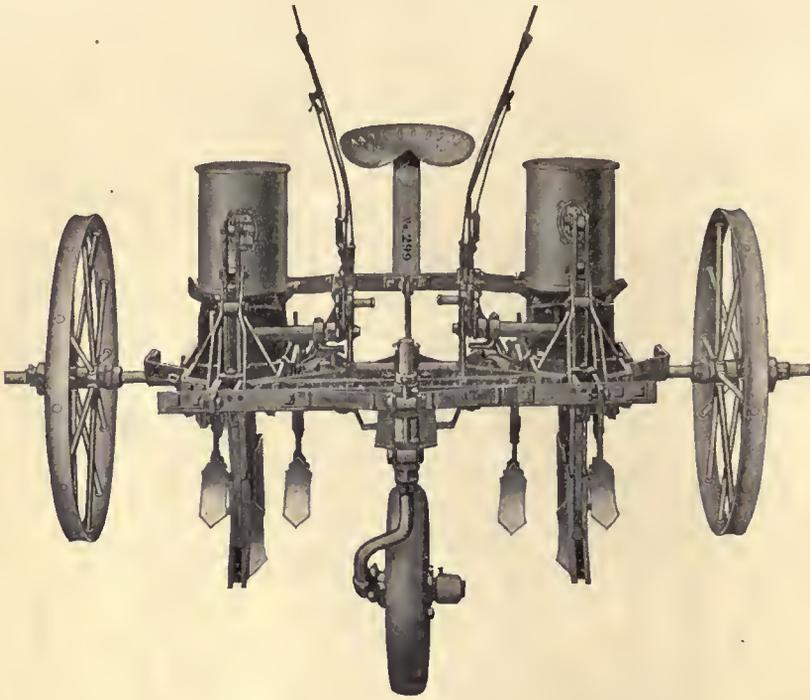
Two springs and a pin are provided to insure the cells filling accurately and retards the revolving action of the seed.

To prevent more seed following around to the dropping point, a spiral-shaped cut-off is provided, which allows only the seed in the cells to pass to the ejector wheel which forces the seed into the boot.

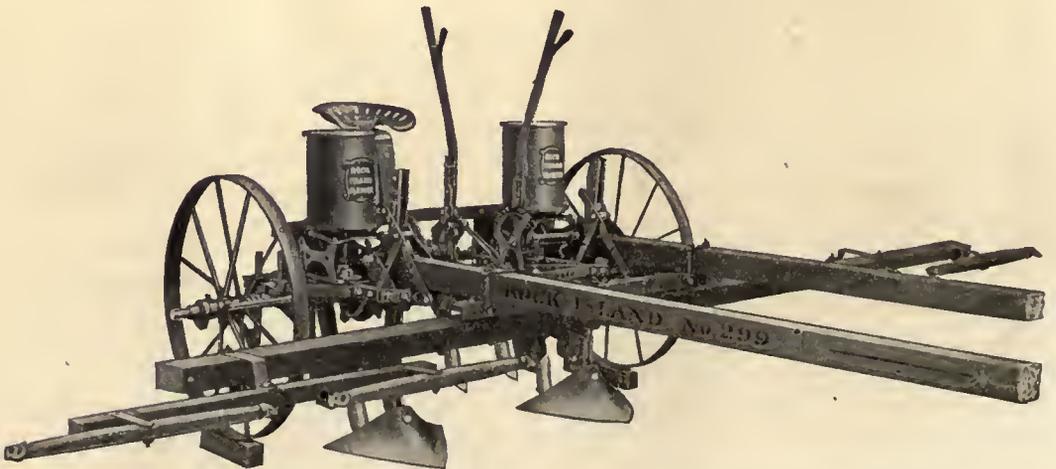
Linty cotton seed often hangs to the plate, therefore a second spiral-shaped cut-off for the under side of the plate beyond the ejector wheel is provided. This usually forces any



ROCK ISLAND Nos. 99 AND 299 COTTON AND
CORN PLANTERS — Continued

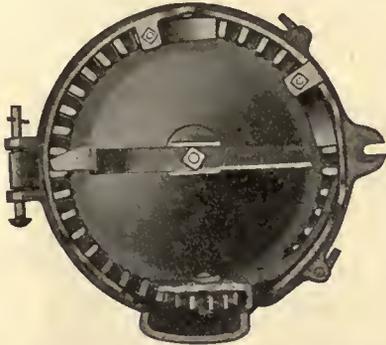


Rock Island No. 299 Two-Row Cotton and Corn Planter
with the Original Single Wheel Fore-Carriage

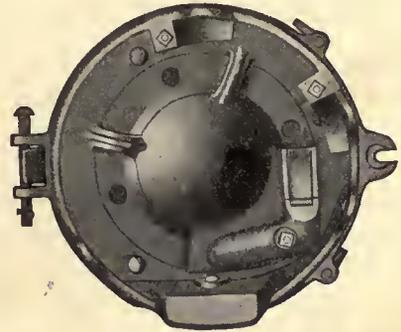


No. 299 Cotton and Corn Planter with Two-Pole Equipment and 4-Horse Wood Evener

ROCK ISLAND Nos. 99 AND 299 COTTON AND CORN PLANTERS — Continued



Single Seed Cotton Drop, Showing Ejector Wheel, Agitator, and Non-Cracking Device



Single Seed Cotton and Corn Drop, Showing Can Equipped with Corn Bottom

seed which may have hung to the plate into the boot, but a by-pass is provided which passes any seed which still hangs to the plate back into the hopper without injury to the seed. This cotton drop seldom cracks a seed.

Special Designed Corn Drop

The corn drop is specially designed to insure accuracy and to eliminate cracking of seed.

Notice particularly—

- The tight-fitting center bearing,
- The raised center corn plate,
- The three-point plate holder,
- The improved cut-off.

This corn drop will not crack maize, kaffir or sorghum.

Sight Feed

To be sure there are no skips in the field, due to cans being empty, the can is cut away so that the point at which the seed leaves the plate is always in full view of operator.

Tip-Over Hopper

The tip-over hopper is a great convenience and time saver. For instance, to change from cotton to corn bottom, tip the hopper over, loosen the thumb-latches, slip out cotton bottom and replace with corn bottom.

The cotton and corn plates are also easily and quickly changed, and the change is made without taking the seed out of the hopper. All plates go in from the bottom of the can instead of the top, as is ordinarily done. This makes changing plates or bottoms a very simple matter.



Tip-Over Hopper, Showing Ease of Changing Plates—Cotton Plate Shown



ROCK ISLAND Nos. 99 AND 299 COTTON AND CORN PLANTERS — Continued

The Variable Drop

In order to insure the desired stand, three dropping distances have been supplied for each plate.

The three dropping distances are governed by a hand lever within easy reach, which permits perfect regulation of the seed planted while the planter is in motion.

This is particularly valuable where the ground is not of uniform fertility. With the variable drop and the plates supplied as regular equipment practically any result desired, in planting, can be obtained.

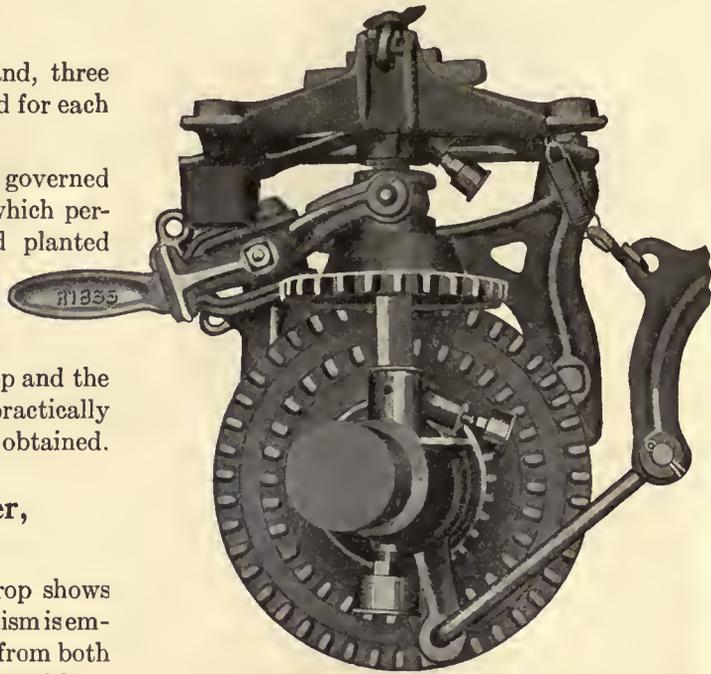
Correct Positive Center, Double Drive

The illustration of the variable drop shows that the simplest possible drive mechanism is employed. Seeding mechanism is driven from both wheels, thus producing a positive drive with no side draft. Rock Island planters are famous on account of a center drive clutch, which eliminates side draft. The clutch drives the main gear, which has three sets of teeth for three different speeds. The clutch is automatically thrown out of gear when planter is raised.

The seed plate driving pinion is mounted on the center drive square shaft, which is supported by a chilled bearing at each end.

The seed plate is directly driven by the square shaft, a lever being attached to the driving pinion for shifting this pinion into engagement with either of the three sets of gears on the driving gear plate. Shifting lever is locked into engagement at the speed desired.

Extra large teeth are used in the gears— they are essential to long life on cotton planters.



Detail View of Variable Drop Construction

The gears are always in mesh but only revolve when planting. Great care has been used to supply lubrication to all bearings, screw cap hard oilers being used at important points of wear.

Independent Foot Lever for Raising Covering Shovels — Easy to Clear Trash

A convenient foot lever makes it easy to clear trash by raising the covering shovels out of the ground without disturbing the planting mechanism. This foot lever when pressed down to the extreme raises covering shovels out of ground. The covering shovels are returned to working position by tripping the foot lever.

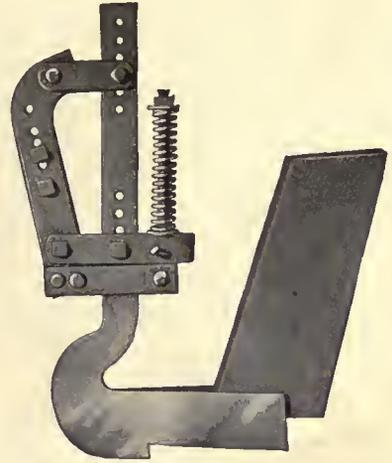
Variable Speed Lever Set at	3-Cell Corn	4-Cell Corn	5-Cell Corn	6-Cell Corn	27-Cell Cotton	40-Cell Cotton
Slow	46½"	35"	28"	23"	5¼"	3½"
Medium	31¼"	23½"	19"	15½"	3½"	2¼"
Fast	22½"	17"	13½"	11"	2½"	1¾"



ROCK ISLAND Nos. 99 AND 299 COTTON AND
CORN PLANTERS — Continued



Spring Trip Opening Shovel—Used on
Nos. 99 and 299



Improved Design Runner Opener,
with Skag for Making
Narrow Trench

When working in hard ground or when going over a depression the covering shovels may be depressed as much as desired by pressing the foot rest on the left side of the covering shovel frame.

A spring expansion chain from the seat to the covering shovel frame allows the shovel frame to float so that the shovels conform to the depressions in the land.

Three Styles of Openers

The plain break pin shovel opener is generally used in old well-cleared ground.

The spring trip shovel opener is used where ground has roots, grubs, stones, etc.

The spring pressure runner opener is usually used in sandy soils or where there are obstructions, such as roots, etc. The runner will ride over the top of these obstructions.

Change from Planting High Beds to Deep Furrows Instantly

The standard is made of two pieces of hard steel with malleable raising and lowering rack, rigidly braced, and is adjustable to plant either on high beds or in deep furrows.

An additional hand latch on the main lifting lever in connection with the ratchet on main lever shaft makes it easy to adjust the standard for work at increased depths or on high beds. No wrenches are necessary to make this adjustment.

Always Have Rigid Standard

An exclusive feature of these planters is a slotted cam casting at the rear of standard which supports a bolt that carries a large anti-friction roller and provides a practical means for taking up wear and assuring a rigid standard at all times.



ROCK ISLAND Nos. 99 AND 299 COTTON AND CORN PLANTERS — Continued

Wheel Width



The Pressure Wheel Attachment as furnished for the Nos. 99 and 299



Depth adjusting Ratchet with Auxiliary Ratchet for Additional Depth and Bedding

Press Wheel Attachment

Press Wheel Attachment should be used with the runner opener, for it packs the loose soil and prevents seeds from blowing away. The Press Wheel Attachment is easily attached or taken off.

Strong Frame Construction

The frame will stand the strain under all conditions, being exceptionally strong. The long main axle bearings and the base of the seed can are all bolted to the frame, thus tying all working parts securely together.

Steel Stub Tongue

The Rock Island No. 99 has a steel stub tongue built into the frame, and it only re-

quires one bolt through the wooden pole. The pole is held securely and rigidly in place by means of clamps. You will appreciate the extra size pole.

The doubletrees are attached directly to the steel stub pole, which is another feature of strength.

Choice of Wheels

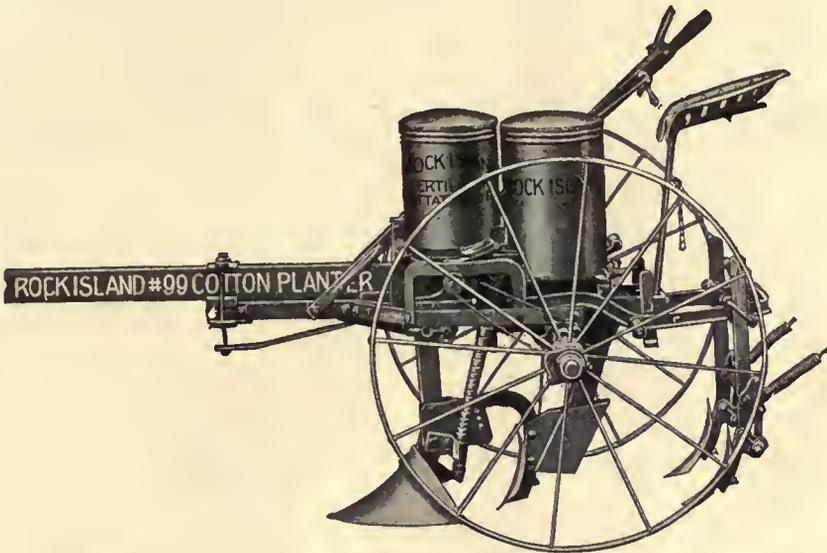
Added strength is obtained through the use of staggered spokes. Either concave or flat tires will be supplied as ordered.

The wheels revolve with the axle on two large bearings which are lubricated with hard oilers. This construction adds greatly to the life of the planter and insures very light draft.

Adjustment can be made quickly and easily by loosening four set screws and changing position of wheels on axle.



ROCK ISLAND Nos. 99 AND 299 COTTON AND CORN PLANTERS—Continued



Rock Island No. 99 Cotton and Corn Planter with Fertilizer Distributor

The fertilizer attachment for the No. 99 Planter meets the requirements of a commercial fertilizer. It distributes evenly in quantity required.

A special feature of this fertilizer attachment, and one which makes it almost impossible to choke, is a scraper or feed which scrapes the fertilizer off the base. The scraper is pivoted to the base so that it remains in a natural position regardless of the amount of fertilizer distributed. The quantity is regulated by loosening two thumbnuts to change feed opening. The fertilizer is distributed back of and

on top of the seed, but is separated from the seed by a thin layer of pulverized soil, so that the seed will not burn.

Specifications—No. 99 Single Row Planter

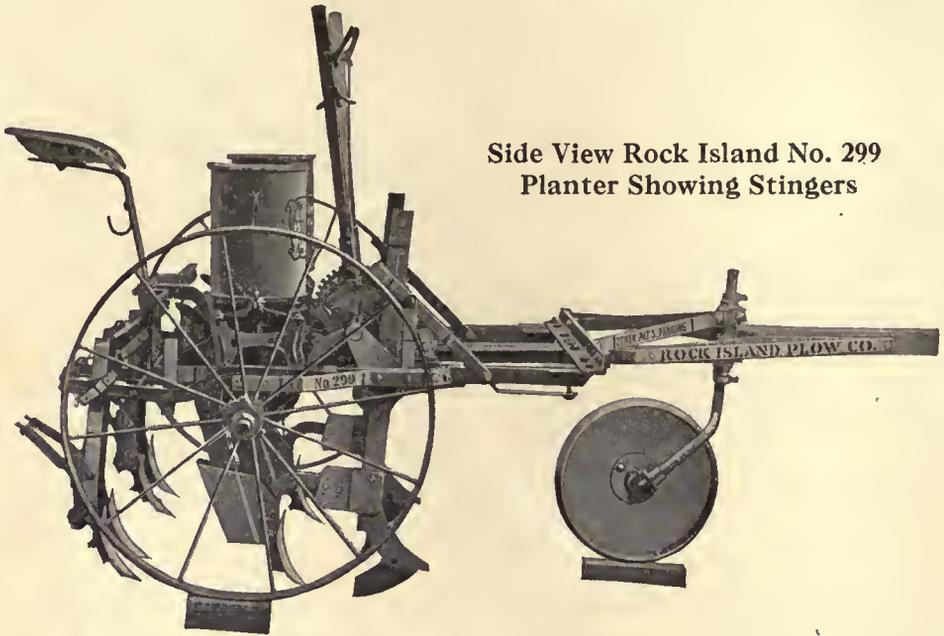
- Variable Single Seed Drop.
- Double drive.
- Thirty-six-inch wheels. Flat or concave tires.
- With doubletree and neckyoke.
- No bottom or sweep.

DESCRIPTION	Style of Opener	Style of Coverers	Shipping Weight Pounds	Telegraph Code
No. 99 Planter.....	Break Pin	Break Pin	408	Tadn
No. 99 Planter.....	Break Pin	Spring Trip	413	Tado
No. 99 Planter.....	Spring Trip	Break Pin	413	Tadr
No. 99 Planter.....	Spring Trip	Spring Trip	418	Tads
No. 99 Planter.....	Runner	Break Pin	414	Tadt
No. 99 Planter.....	Runner	Spring Trip	419	Tadu
*14-inch Middle Burster Bottom.....			34	Tadv
*18-inch Sweep.....			11	Tadw
*20-inch Sweep.....			12	Tadx
*22-inch Sweep.....			13	Tady
*Fertilizer Attachment.....			42	Tadz
*Press Wheel Attachment.....			24	Tae

*Special equipment at extra cost.



Rock Island Nos. 99 and 299 Cotton and Corn Planters



Side View Rock Island No. 299 Planter Showing Stingers

Rock Island No. 299 Cotton and Corn Planter

THE Rock Island No. 299 Cotton and Corn Planter has all of the good features embodied in the No. 99, such as an accurate seed-dropping mechanism, including variable drop, sight feed, tip-over hoppers, double drive, rigid standards, adjustable for planting high beds or deep furrows, pin break, spring trip, or spring pressure runner openers and shovel coverers.

Two additional features make this one of the most successful machines ever built—its strong frame and convenient fore-carriage.

We have never had an instance where the frame of the Rock Island No. 299 Planter has been twisted out of shape.

The fore-carriage carries the weight of the front end of the planter, also of the eveners, and, therefore, relieves horses of considerable neckweight, besides steadying the planter.

Specifications for No. 299 Two-Row Planter

Variable single seed drop.

Double drive.

36-inch wheels, either flat or concave tires.

Single wheel Fore-carriage—Either Oval Tire Pan wheel or "V" Tire Cast wheel.

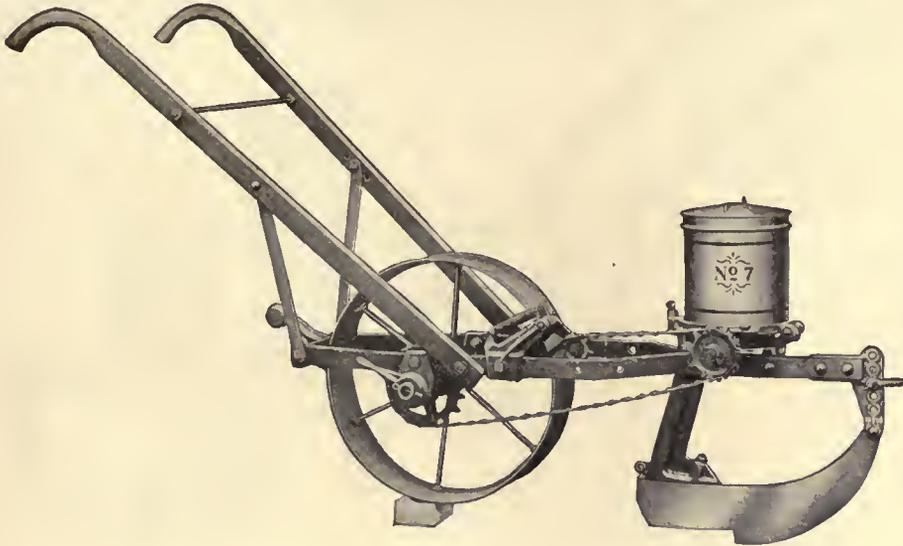
Single Drop Tongue.

No. 139 4-Horse Wood Evers.

DESCRIPTION	Weight Pounds	Code
No. 299 Planter, Break Pin Opener and Break Pin Covering Shovels—no Bottom or Sweep.....	979	Taoc
No. 299 Planter, Break Pin Opener and Spring Trip Covering Shovels—no Bottom or Sweep.....	985	Taed
No. 299 Planter, Spring Trip Opener and Break Pin Covering Shovels—no Bottom or Sweep.....	985	Taef
No. 299 Planter, Spring Trip Opener and Spring Trip Covering Shovels—no Bottom or Sweep.....	995	Taeg
No. 299 Planter, Runner Opener and Break Pin Covering Shovels—no Bottom or Sweep.....	985	Taeh
No. 299 Planter, Runner Opener and Spring Trip Covering Shovels—no Bottom or Sweep.....	995	Taek
No. 299 Planter, Two-Pole Equipment, No. 139 4-Horse Wood Evers—no Fore-carriage.....	.....	Taerae
3-Horse Evers, to equip No. 139 4-Horse Evers as a 5-Horse (Can be used only with Two-Pole Equipment) ..		
2-Press Wheel Attachments.....	60	Taer
2-14-inch Middle Burster Bottom for No. 299 Planter.....	70	Tael
2-18-inch Sweep.....	22	Taem
2-20-inch Sweep.....	24	Taen
2-22-inch Sweep.....	26	Taep



Easy to Guide—Perfectly Balanced



Rock Island No. 7 One Horse Corn Drill

THE Rock Island No. 7 plants corn of all kinds, broom corn, sorghum, kaffir corn, beans, cow peas, pop corn, turnips, celery, etc. A great variety of seed plates can be furnished.

It can be equipped with either convertible drop—either edge or flat drop plates can be used or flat drop only.

Convertible Edge or Flat Drop

The hopper bottom is constructed so that when edge drop plates are used the drop is almost perfect if the seed is uniform. Provision is made in the hopper bottom for taking care of the smaller or larger sized kernels. A special flat drop bottom can be furnished.

The convertible drop meets all requirements in nearly all cases, for use with either edge or flat drop plates, but a straight flat drop equipment, for extra wide kernels, can be furnished if desired. When this equipment is wanted, a hopper bottom is furnished very similar to that in the convertible drop, but with wider seed channels and slightly different bottom plate.

With this hopper bottom only flat drop plates can be used. Wider kernels can be planted with this equipment than with the flat drop plates in the convertible drop.

General Construction—Chain Drive

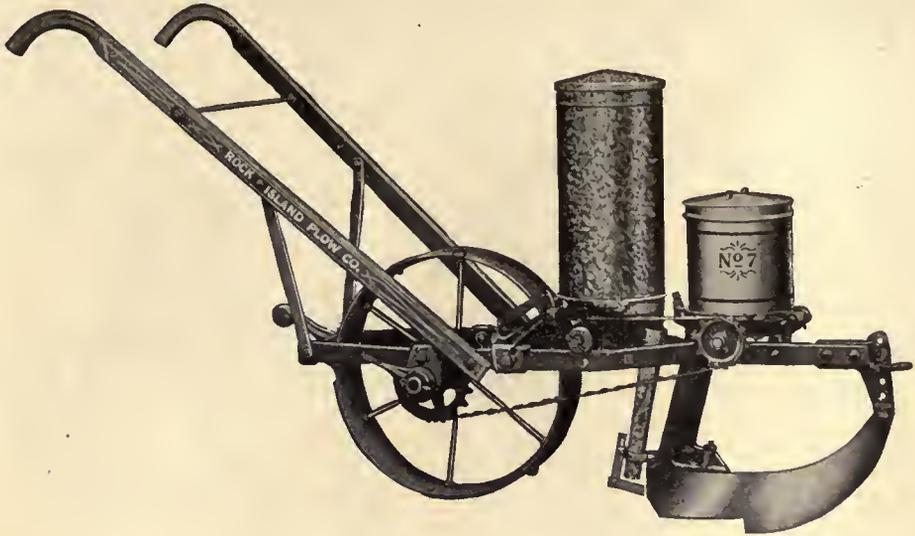
The seed box tilts forward to change plates. You don't need to empty the box.



Bottom of Seed Box,
Flat Drop Only



ROCK ISLAND No. 7 CORN DRILL—Continued



Rock Island No. 7 Drill, Equipped with Fertilizer

This planter is strong and substantial, easy to handle, convenient in every way, reliable and accurate.

The steel frame, firmly bolted together, gives the necessary strength and rigidity.

The steel wheel is strong, with broad concave tire. To provide ample driving power when fertilizer attachment is used, we furnish driving lugs with the fertilizer attachment, which can be quickly attached to the wheel if needed.

The wheel scraper is provided with a weight to hold it either against the wheel or away from it, as conditions require.

The foot trip shown on right side, at the axle, throws the machine in or out of gear.

The handles are adjustable up and down. The hitch can be adjusted up and down as required.

Fertilizer Attachment

This attachment is driven by the same chain that drives the dropping mechanism. Easy to attach and adjust.

The feed spout is behind the runner boot. The scatterer back of runner boot permits the seed to be slightly covered and kept from direct contact with the fertilizer.

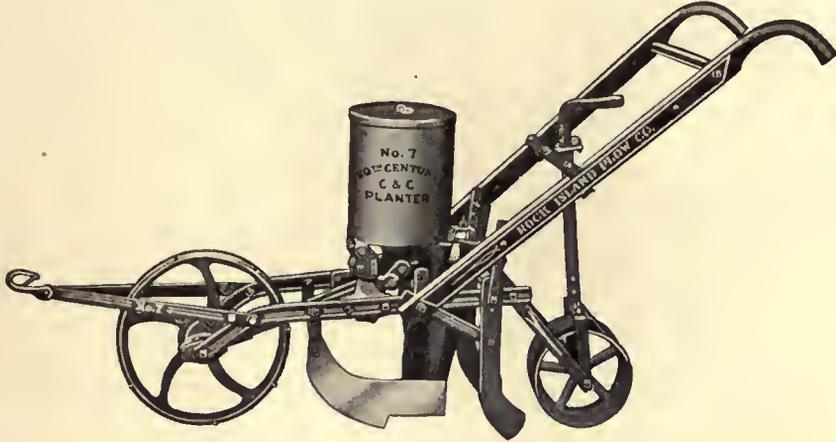
The amount of fertilizer used can be regulated by means of a small lever at the base of the hopper. The feed is made positive by constant agitation of the contents of the hopper. This device is effective with all kinds of commercial fertilizer.

The fertilizer attachment stops when the planter is thrown out of gear. It can also be instantly thrown out of gear independent of the planter if there are parts of the field where no fertilizer is required.

NUMBER	DESCRIPTION	Weight, Pounds	Code
7	Corn Drill, without Fertilizer	102	Planula
7	Corn Drill, with Fertilizer	136	Planular



The Original Double Pitman Drive Cotton and Corn Planters



No. 7 Twentieth Century Cotton and Corn Planter, with Press Wheel Attachment

ONE of the features which has made the Rock Island "Twentieth Century" Planters so popular is the famous Double Pitman drive. Two strong driving arms, *both inside the frame*, drive the bevel gear under the seed box, which meshes into and drives the bevel gear at the bottom of the seed box, revolving the seed plates.

This drive is very simple, substantial, and does the work right. The alternate stroke eliminates any possibility of its ever stopping on center.

A Strong Frame

The frame is constructed from high carbon channel steel and is properly braced. It's a frame that is strong and durable. The handles are adjustable to suit the operator.

Adjustable Bail Hitch

Adjustable bail hitch is provided so that the drive wheel will always have proper traction.

Plants a Variety of Seed

The "Twentieth Century" Cotton and Corn Planter plants corn, cotton, kaffir, peanuts, peas, beans, sorghum, gourd, cane, and broom corn.

The "Twentieth Century" Planter has the celebrated Rock Island combined edge and flat drop corn plates. The corn cut-off is fitted with ring ejector, which revolves every time a kernel is dropped, and guarantees a perfect drop. It never wears out. Corn can be planted different distances apart. Each corn plate is numbered in inches, giving the distance it will drop. The sight feed enables the operator to see at all times just the quantity of seed being planted.

Two peanut plates can be furnished for the "Twentieth Century"—one 3-hole peanut plate and one 6-hole peanut plate, planting 20 and 12 inches apart, respectively.



“TWENTIETH CENTURY” COTTON AND CORN PLANTERS
Continued

Famous Double
Pitman Drive



No. 5 “Twentieth Century” Cotton and Corn Planter

Planter is easily thrown in and out of gear by raising or lowering a lever which locks on the frame.

These planters can be equipped with either the “V” type driving wheel for black, waxy soil; the “Lug” type for the light, sandy soil; or the combination type drive wheel.

Two Types “Twentieth Century” Planters

The No. 5 has shovel opener and shovel coverer. The shovels are the friction break type, acting as shock absorber all along the line, saving considerable breakage in the course of a year. The shovel shank is made adjustable for obtaining just the desired pitch by resetting bolt at top of shovel. The heel slides are mighty useful—they prevent shovels from going too deep into very light, sandy soil.

The No. 7 “Twentieth Century” is a runner opener and spoon coverer type. It is very successful in planting in rough and grubby ground. The opener and coverers can easily be adjusted for depth.

Press Wheel Attachment

Press wheel can be easily and quickly attached to any “Twentieth Century” Planter. However, the press wheel attachment is more generally used on the runner opener type of planter. It bolts onto the frame. The wheel is adjustable to the required depth by a notched center lift feature which keeps the planter perfectly balanced at all times. This wheel is also equipped with an adjustable scraper.

Fertilizer Attachment

A fertilizer attachment can be furnished in place of the regular seed can on the “Twentieth Century” Planter at additional cost.

The fertilizer cannot be distributed at the same time seed is planted.

Specifications

- Cotton and corn. Steel frame.
- Double Pitman drive.
- Choice of wheels—“V” type, “Lug” type, or combination wheel.

DESCRIPTION	Shipping Weight Pounds	Telegraph Code
No. 5 “Twentieth Century” C & C Planter (Shovel Opener).....	107	Taf
No. 7 “Twentieth Century” C & C Planter (Runner Opener).....	106	Tafa
Press Wheel Attachment, extra.....	23	Taey
Peanut Attachment (Plate Type), extra.....	3	Taez

Positive Gear Drive Cotton and Corn Planters



No. 3 Empress Cotton and Corn Planter with Press Wheel Attachment

THE Rock Island "Empress" is a gear drive planter in the simplest form, being driven by a wheel through the medium of bevel gears. These gears are attached to the steel drive shaft with bevel gears for operating seed plates at the bottom of seed can. The drive gears are enclosed and the gear and box in the drive wheel are removable, making it easy to clean or adjust whenever it is necessary. The bevel gears are strengthened by long, large bearings to insure satisfactory wear.

The "Empress," in addition to planting cotton, also handles kaffir, peas, beans, sorghum, gourds, peanuts, and broom corn.

Large Capacity Seed Box

The Rock Island "Empress" has an exceptionally large seed box, giving a capacity of one-half bushel when planting the fluffy cotton seed. It is fitted with sight feed. To regulate the feed, simply loosen the thumbscrew and push the slide at bottom of seed can in and out.

It is a very easy matter to change the plates for planting different kinds of seeds.

Three Drilling Distances With Each Set of Plates

With the "Empress" you have three speeds which can be changed by simply loosening the nut in the brace which is connected to the drive shaft. This allows the gears to mesh in the speed desired.

To throw the "Empress" in or out of gear just lower or raise the lever which locks on the planter handle.

Strong Frame—Bail Hitch

The frame of the "Empress" is all steel and thoroughly braced. It will stand up and do the work for many years.

An adjustable bail hitch is provided which insures proper traction.

Three styles of driving wheels, the "V" type for black, waxy soils; the "Lug" type for light, sandy soil; or a combination tire drive wheel can be furnished for this planter.

Both Openers and Coverers Are Easily Adjusted

The No. 1 "Empress" has shovel opener and



ROCK ISLAND "EMPRESS" COTTON AND CORN PLANTERS
Continued



No. 1 Empress Cotton and Corn Planter

shovel coverers. Both opener and coverers are easily adjustable to different depths of planting. All three shovels are the friction break type and are double-pointed, giving double life. The shovel shanks are adjustable. Any desired pitch may be obtained; the heel slide equipment prevents going too deep in light, sandy soil.

The No. 3 "Empress" has runner opener and spoon coverers. The runner is adjustable for different depths of planting. The spoon coverers also have an easy adjustment for both angle and depth.

Press Wheel Attachment

Press wheel can be quickly attached to any "Empress" Planter. However, the press wheel attachment is more generally used on the runner opener type of planter. The wheel is adjustable to the required depth by a notched center lift feature which keeps the planter

perfectly balanced at all times. This wheel is also equipped with an adjustable scraper.

Peanut Plates—Extra

The peanut plates furnished for the "Empress" are—one bottom plate; one gear ring; one 3-hole plate, planting 20, 24, and 30 inches apart, and one 6-hole plate, which plants 10, 12, and 15 inches apart.

Specifications

Cotton and corn.
Gear drive—Three Speeds.
Choice of wheels: "V" type, "Lug" type, or combination type

Planting Distances

4-hole plate—15, 20, and 25 inches.
5-hole plate—12, 15, and 18 inches.
7-hole plate— 8, 12, and 15 inches.

DESCRIPTION	Weight Pounds	Code
No. 1 "Empress" C & C Planter (Shovel Opener).....	98	Taew
No. 3 "Empress" C & C Planter (Runner Opener).....	94	Taex
Press Wheel Attachment, extra.....	23	Taey
Peanut Attachment (Plate Type), extra.....	5	Taez



Rock Island No. 8 Planter



Rock Island No. 8 Combined Cotton and Corn Planter with Fertilizer Attachment

THE Rock Island No. 8 Planter, in addition to planting cotton and corn, is well adapted to handle peas, beans, sorghum, and similar seeds. The two wheels make it easy to balance, easy to follow ridges, and give a positive drive. Spring pressure runner furrow opener for seed and double-pointed friction-break shovel opener for fertilizer. Swing hitch enables operator to finish rows close to the end and yet keep the planter on the bed; also horse or mule can avoid obstructions without pulling planter off the bed. Flexible two-section drag shoe coverers leave a smooth level layer of soil over the seed.

On the No. 8 Planter the shovel shank is adjustable. Also the sweep blades. They can be raised up or down to suit the operator and conditions. This insures planting at any depth desired, and also insures even planting.

The main side wheels are in perfect line with the seed as it is deposited, so that it can be regulated under all conditions. This is especially desirable in shallow planting.

Runner for Water Furrow

The sweeps can be easily removed and every planter is furnished with an extra special runner for planting in the furrow. The runners can be quickly changed.

Fertilizer Attachment

The Rock Island No. 8 Planter can be furnished with fertilizer attachment.

Where the fertilizer is used, it puts it in below the seed, and, at the same time, there is a layer of fine dirt placed between. This saves considerable time over the old method.

The fertilizer opener shovel is ahead of the seed opener, runs a little deeper, and, in this way, makes a soft pulverized layer of soil underneath, as well as on top of the seed.

Specifications

- One horse—walking. Cotton and corn.
- Steel construction. Side wheel drive.
- Press wheel attachment extra.

Number	DESCRIPTION	Weight Pounds	Code
8	Cotton and Corn Planter.....	141	Plantver
8	Cotton and Corn Planter, Shovel Opener, and Roller Coverer.....	159	Plantville
.....	Fertilizer Attachment.....	33	Planter
.....	Peanut Attachment.....	5	Plantly