

SEASON 1885.

SPECIAL CATALOGUE

— OF —

IMPLEMENTS

— No. 3 —

GOULDS & AUSTIN,

CHICAGO.



DONOHUE, HENNEBERRY & CO., PRINTERS.

TO THE TRADE.

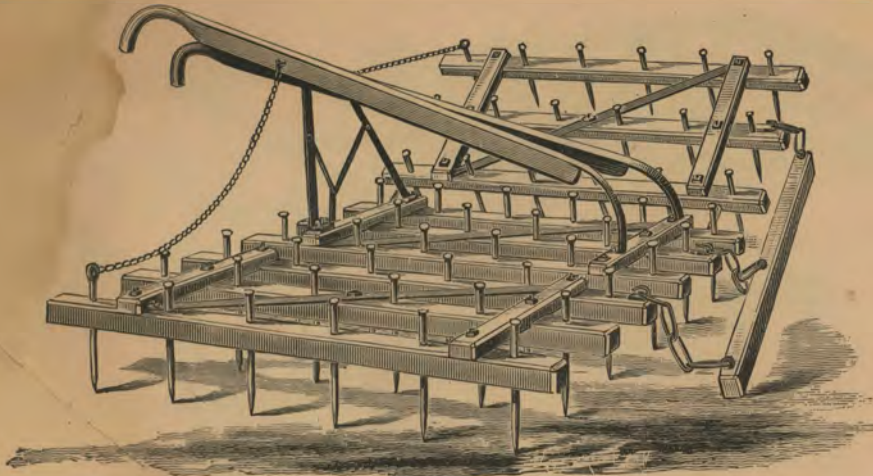
We present in the following pages, our line of Implements for the spring trade. Our facilities for the manufacturing and jobbing of this class of goods are unexcelled, and we offer only such implements as our experience during the past twenty-five years justifies us in recommending.

Awaiting the pleasure of your esteemed commands, we remain,

Yours truly,

GOULDS & AUSTIN.

THE "FARMERS' FRIEND" HARROW.



IN THE FIELD.

THE FARMERS' FRIEND, as shown in the above cut, combines all the necessary improvements required to overcome the universal objection of letting the harrow drag along under all circumstances without control, as well as to render the tiresome task of harrowing easy.

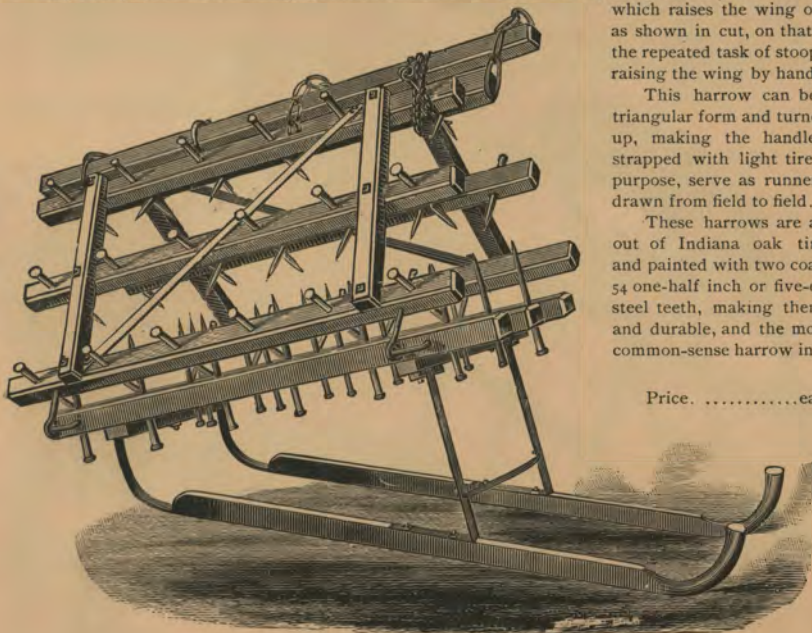
The handles are made adjustable in such a simple manner, that in one minute's time they can be so adjusted, as to admit of the frame of the harrow being drawn from the opposite end, thereby making the teeth self-sharpening, at the same time losing no advantage of the use of the handles in any respect.

Any trashy substance that may gather on the teeth can be discharged by pressing the handle to one side, which raises the wing of the harrow, as shown in cut, on that side, avoiding the repeated task of stooping down and raising the wing by hand.

This harrow can be folded in a triangular form and turned bottom side up, making the handles, which are strapped with light tire iron for that purpose, serve as runners, and so be drawn from field to field.

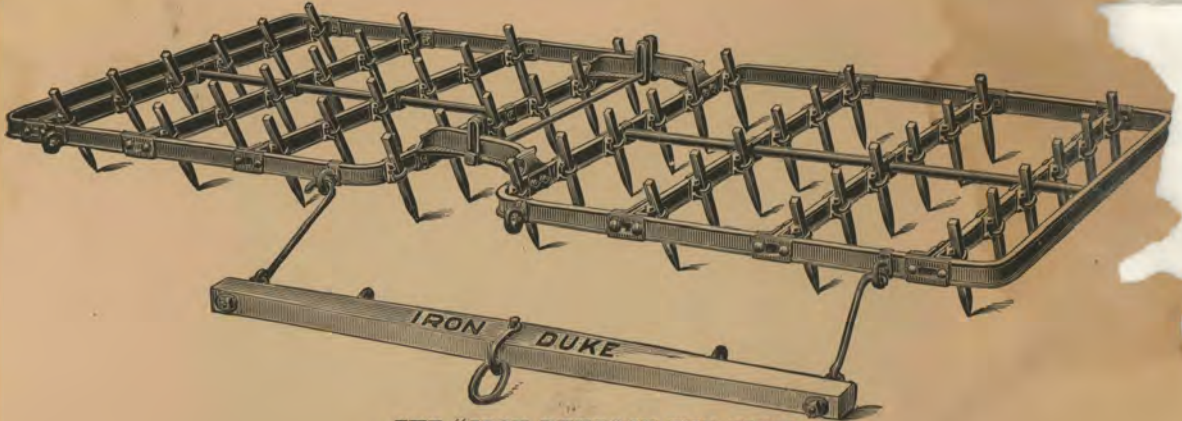
These harrows are all constructed out of Indiana oak timber $2\frac{1}{2} \times 2\frac{1}{2}$, and painted with two coats of red, with 54 one-half inch or five-eighths square steel teeth, making them very strong and durable, and the most practicable, common-sense harrow in the market.

Price.each, \$20.00



ON THE ROAD.

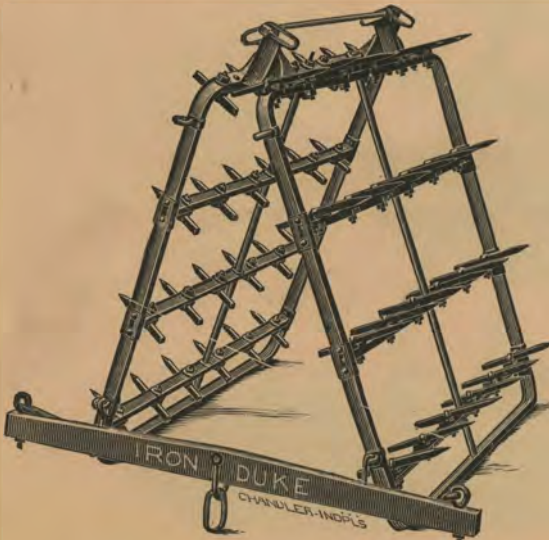
"IRON DUKE" HARROWS.



THE "IRON DUKE" IN THE FIELD.

The accompanying cuts will, in a measure, illustrate this implement, which has already gained a popularity that would do credit to a machine that had been in the market for years. It has no equal, and we do not hesitate to appeal to the good judgment of the farmer for an opinion regarding its merits. The principle and construction of "THE IRON DUKE" are such that favorable opinions and highest commendations invariably follow its introduction everywhere.

The "IRON DUKE" has adjustable steel teeth. It will last a lifetime, and do more work in the same number of hours than any straight tooth harrow in the market. We claim the following points of superiority:

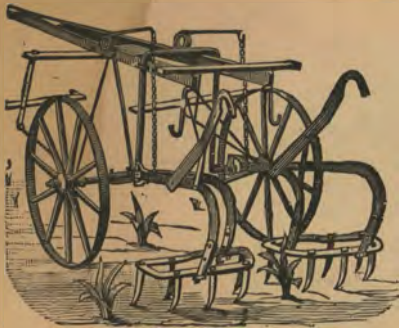


THE "IRON DUKE" ON THE ROAD.

1. It is the strongest harrow made.
 2. The teeth can be set at any angle, either forward or backward.
 3. It will not clog, as the teeth can be set to suit the condition of the soil.
 4. Its flexible hinge accommodates the harrow to the inequalities of the ground.
 5. Its teeth are readily reversed, keeping them always self-sharpened.
 6. It is a perfect smoothing harrow for cultivating corn when small.
- Price.....each, \$25.00

WOOD'S PATENT CULTIVATOR ATTACHMENT.

FOR TWO-HORSE CULTIVATORS.



Our cultivator attachment has been operated for the past three seasons by the best farmers, has been sold by the best dealers, and now they unite with us in the broad claim that we have THE BEST—the best because of its *strength, durability, cheapness, ease of operation and practicability.*

The cultivator attachment is constructed so as to fit *any two-horse cultivator*, and can be placed in position in five minutes, ready for use. Not a thing about it to come loose or get out of order. Has fourteen warranted STEEL TEETH, and is calculated to

last for years. It is the best farming implement of its kind in the market.

Price, each.....\$6.00

FREDERICK'S PATENT EQUALIZER.

Can be applied to any implement either with or without tongue.



No. 1.

Light, strong and simple.



No. 1 represents the equalizer as arranged for three horses abreast, which can be operated to anything to which a two-horse double-tree can be attached.

COMMON DOUBLE-TREE.



OBSERVE OUR PATENT CLIP IS USED on the END of OUR DOUBLE-TREES.



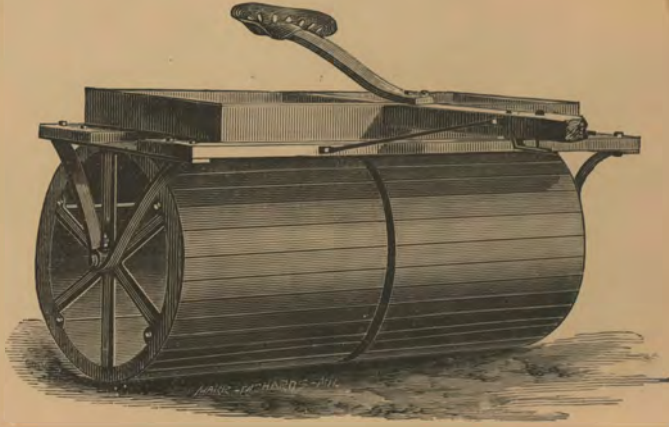
The above cuts represent the Frederick Patent Equalizer and our common double-trees.

All these goods are made of selected stock, and are light, strong and durable. The cuts explain themselves.

PRICE LIST.

Frederick's Patent Equalizers	Per dozen, \$24.00
Common Double-trees	" 18.00

Improved Two Section Land Roller.



The above cut represents our improved land roller, made in two sections.

The drums are 2 feet 8 inches in diameter, of white oak 2 inches thick, 4 inches wide, the ends tenanted to fit into the grooves of the heavy cast iron heads, which are held in position by four iron rods running lengthwise on inside of drums.

The drums revolve on a 2 inch steel shaft running the whole length of the roller, to the ends of which are fastened very heavy iron brackets with set screws, and which support the box on top of drums, made out of white oak plank 2 inches thick. To this the pole and seat are attached with iron bolts and braces.

All the joints and ends of staves are set in paint. The roller is nicely painted with two coats of paint and one of varnish.

The large diameter of the drums and the chilled bearings make it the lightest draft roller made, and in durability it cannot be surpassed, being made out of the best materials to be obtained and built by skilled labor.

Can easily be turned in its own length.

The seat and pole can be taken off for shipping.

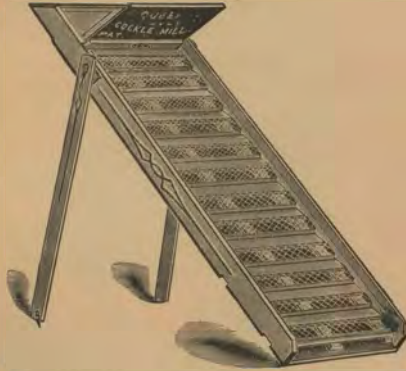
PRICE AND DIMENSIONS:

No. 1	Roller, 7 ft. drum, 3½ ft.....	\$45.00
No. 2	“ 8 “ “ 4 “	50.00

Diameter of drums, 2 ft. 8 in.

Any other lengths made to order on short notice.

THE QUEEN COCKLE MILL.



On the principle that "practice makes perfect," we believe that the problem of a *Cockle Mill without a fault* has at last been solved. This mill is positively the simplest, most easily operated, and most effective mill in the world for cleaning seed wheat and all small grains. In cleaning wheat for market it will raise the quality from one to two grades. It is just the thing for cleaning mustard from flax. Without exception those using the Queen Cackle Mill give it the preference over all others, for the following reasons:

1st. It is warranted not to clog, no matter how trashy the grain may be. This cannot be said of any other cockle mill built after the same general plan.

2d. *It furnishes its own motive power.*

3d. Owing to its peculiar *construction the hopper can be placed very low.*

4th. A boy strong enough to handle a shovel can operate it.

In ordering, it should be stated whether spring or winter wheat or flax is to be cleaned. Millers will find the Queen just the machine for use in connection with the Kurth Cackle Separator.

NOTE.—Observe directions accompanying each mill.

Price, each\$18.00

CAHOON SEEDERS



The Cahoon Seeder is too well known to need any description. We are

EXCLUSIVE AGENTS FOR THE NORTHWEST.

The Hand Machine, at a common walking gait, sows from four to eight acres per hour. A saving of four-fifths of the labor and one-third of the seed used in hand-sowing is effected by using these machines. They sow wheat, oats, hemp, barley, rye, buckwheat, grass seed, rice, flax, etc., etc.

Price each, \$4.00

CAHOON POWER SEEDER.

At the usual walking gait of a horse this machine sows ten to fifteen acres per hour, and does the work better than by any other method. They are warranted to give perfect satisfaction, and to save their cost in less time than any other implement used.

Price each, \$30.00

THE LITTLE HOCKING VALLEY



ONE HORSE WHEAT DRILL.

FOR DRILLING IN STANDING CORN.

In the construction of this drill, we have combined several new and valuable features, which are secured by letters patent and found on no other drill. The first of these, as it is the principal part of any seeding machine, is our NEW FORCE FEED, which is acknowledged to be the most accurate, regular and thoroughly efficient in every respect now in use. Another is the FEED REGULATOR, the simplest and best put on any drill, by which the quantity may be varied at will by simply turning a knob at the rear of the hopper. Still another is the *attachment of the movable tubes* to the feed cups, allowing them to be readily detached and permitting free and easy movement in spreading and contracting the wings of the drill.

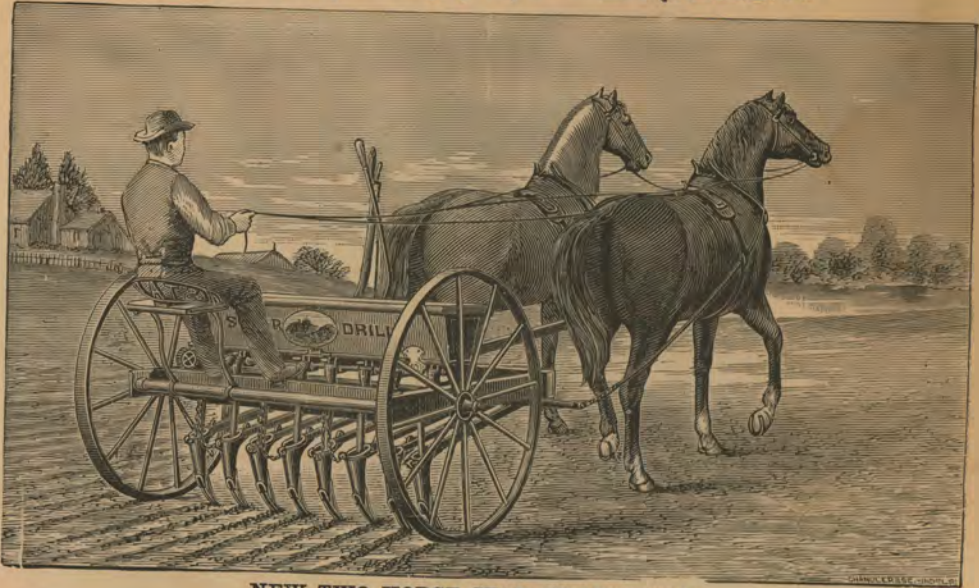
The side beams, or wings, may be expanded or contracted to suit any width of corn, and this is done by means of a LEVER with a device which is new, original with ourselves, and much more easily operated than the old-fashioned crank used on other drills. It is driven by a malleable sprocket chain, a style of gearing which, for this purpose, experience has proven to be far superior to cog gearing, because it is not at all affected by spreading and contracting the wings, while a cog gearing will bind, wear and run hard, and is consequently very annoying and unsatisfactory.

The hoes are of the latest and most improved pattern, and are furnished with steel points and break pins. At the rear of the frame are two gauge wheels with vertical adjustment to regulate the depth of the grain sown. By means of a clutch with a lever attachment at the rear of the hopper, the drill may instantly be thrown out of gear when desired.

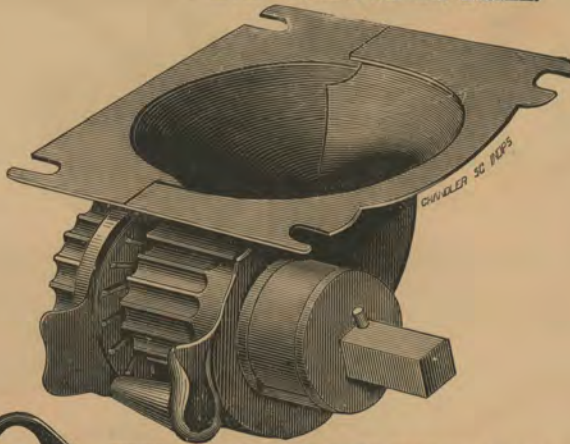
Our aim has been to introduce every improvement that experience could suggest, or experiment prove to be valuable and correct. The quality of material used, the workmanship and finish are up to that standard of excellence for which we have such an enviable reputation, and guaranteed superior to any in the market.

Price.....\$30.00

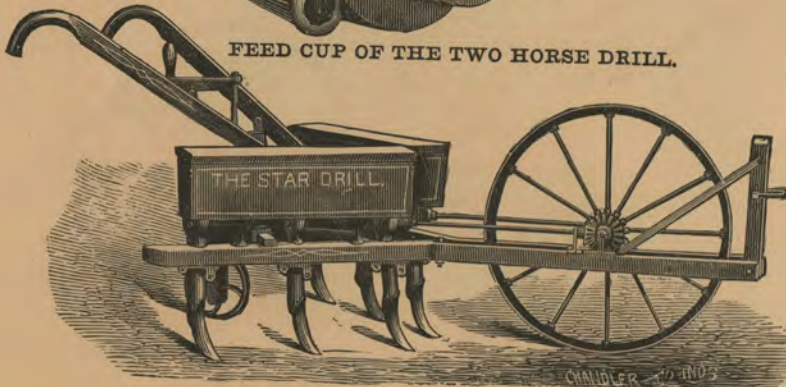
★ STAR ★ GRAIN ★ DRILLS. ★



NEW TWO HORSE STAR GRAIN DRILL.



FEED CUP OF THE TWO HORSE DRILL.

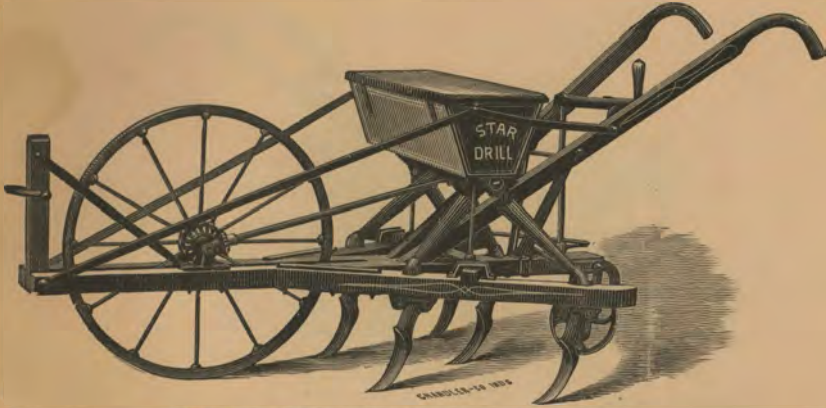


SIX-HOE STAR GRAIN DRILL.

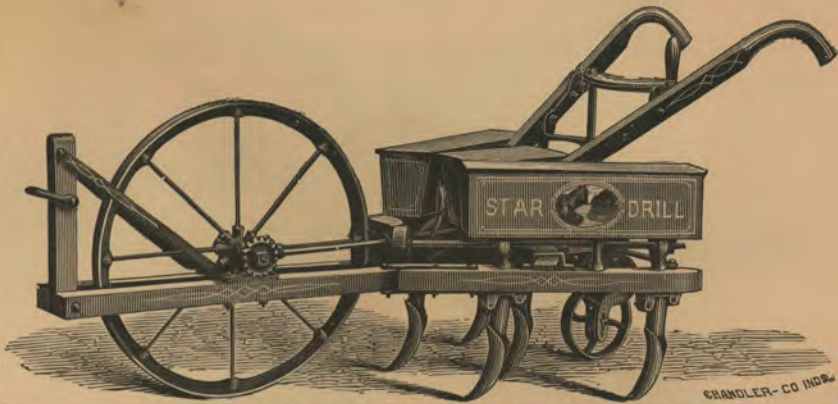
For Description and Prices, see Pages 11 and 12.

❁ STAR ❁ GRAIN ❁ DRILLS ❁

(CONTINUED).



ONE-BOX FIVE-HOE STAR GRAIN DRILL.



THREE-BOX FIVE-HOE STAR GRAIN DRILL.



STRAIGHT-LINE ONE-BOX FIVE-HOE DRILL.

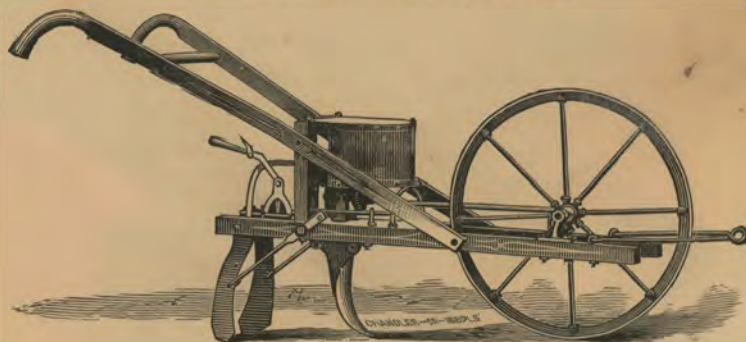
For Description and Prices, see Pages 11 and 12.

★ STAR ★ GRAIN ★ DRILLS ★

(CONTINUED).

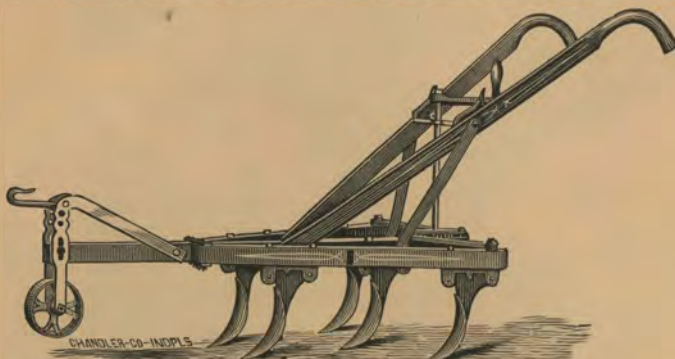


NEW STYLE, THREE-HOE DRILL.



IMPROVED STAR CORN DRILL.

★ STAR ★ CULTIVATORS. ★



THE FIVE-HOE STAR CULTIVATOR.

For Description and Prices see Pages 11 and 12.

THE STAR DRILLS.

For Prices, see Page 12.

In the preceding pages we illustrate our corn drills. These drills combine all the latest improvements, and we commend them to our customers and the trade generally.

THE TWO HORSE STAR DRILL.

It is a well-known fact that a perfect feeding device is a great requisite in the perfection of a grain drill. Our feeding device, patented November 9, 1880, we claim to be superior to any in the market. It is so constructed that ANY DESIRED QUANTITY of flax, wheat, barley or oats can be sown without the necessity of a change BY COG GEAR. In the Star drills the feed is regulated by SIMPLY TURNING THE SCALLOPED WHEEL. By this peculiar feeding device a COMBINED VERTICAL AND HORIZONTAL FEED IS OBTAINED, the most important features in all force feed grain drills. By a simple movement of the lever, any quantity of grain can be sown to the acre, and while the change is just as positive as that made by gear wheels, it can be made INSTANTLY, WHILE THE DRILL IS IN MOTION. By means of a dial attached to the rear of the hopper, the operator is enabled to CHANGE THE FEED WITH ABSOLUTE CERTAINTY. The land measure on the Star drill INDICATES ACCURATELY on the dial the number of acres sown.

FORCE FEED GRASS SEEDERS.

The grass seeder is furnished with the same reliable and positive FORCE FEED DISTRIBUTOR as is used in sowing wheat. The AXLES ARE ALL TURNED AND FITTED; the hoe shifter CANNOT BE EXCELLED; both ranks of hoes are movable; the draft bars are lengthwise with the machine and work in malleable bearings, and can be easily operated from the driver's seat by a lever. As the lever is drawn toward the operator the two RANKS OF HOES SEPARATE FROM EACH OTHER, allowing trash and other obstructions to pass between without RAISING THE HOES OUT OF THE GROUND. The patent hoe lifter and pressure bar are operated by a lever convenient to the driver's seat. The hoes are INSTANTLY LIFTED out of the ground and the flow of GRAIN STOPPED BY MOVING THE LEVER. When moved into the third notch the same lever throws the pressure bar down on to the drag bars and holds them firmly to the ground. The seat is ADJUSTABLE and can be moved BACKWARD OR FORWARD to suit the weight of the driver.

THE ONE HORSE STAR DRILLS

have the regulating device by which any quantity of different kinds of grain can be sown from the same feed cup. The gauge plate fastened to the side of the grain box always INDICATES THE EXACT QUANTITY OF GRAIN SOWN.

THE SIX HOE STAR DRILL

possesses new and superior advantages over all other one horse drills. When drilled the seed is DEPOSITED TO A UNIFORM DEPTH. Each drill hoe does its own covering in the same manner as the straight line two horse drill. The gauge can be raised or lowered at pleasure.

THE ONE BOX FIVE HOE DRILL

has but one feed box, set on two upright supports, bringing the WEIGHT OF GRAIN DIRECTLY OVER THE CENTER, reducing the draft to a minimum. The rear teeth deposit the grain to the same depth as the front ones. The gauge wheel at the rear regulates the depth. The drill can be EXPANDED OR CONTRACTED INSTANTLY WHILE IN MOTION. The SPEED of the HORSE does not

AFFECT THE FLOW of the grain. The feeders NEVER CHOKE. All the hoes are provided with break pins, and should the hoe strike an obstruction it simply BREAKS A PIN, thus saving a more expensive breakage.

THE THREE BOX FIVE HOE DRILL

can be instantly thrown in and out of gear. It has THE FORCE FEED and is in every way perfect.

THE STRAIGHT LINE, ONE BOX FIVE HOE DRILL.

The same feed gearing and hoes are used in this as are used in the construction of our other drills. The outside hoes are attached to the rear of the side arms by a DOUBLE FLANGED PATENTED CLUTCH, enabling the OPERATOR TO DRILL CLOSE UP TO THE CORN ROWS. We furnish them with one or two rear regulating wheels. This drill expands and contracts in the same manner as our other drills.

NEW STYLE THREE HOE DRILL.

This drill has no equal. The drive wheel is placed in front, and the drill can BE RAISED TO AVOID OBSTRUCTIONS in the same manner as a wheelbarrow. It is provided with a side draft clevis, thus enabling it to be run close to the row. The right-hand handle is bent around the box in order to protect the operator's hand from being bruised by the corn stalks.

THE IMPROVED STAR CORN DRILL.

The object of this drill is to meet the most exact requirements of the farmer. This drill will COME NEARER DROPPING ONE GRAIN at a time than any drill in the market. The adjustable lever regulates the drop from 12 inches to 15, 18 or 20 inches apart, without moving a bolt or screw. It has no coulter in front to collect trash.

THE FIVE HOE STAR CULTIVATOR.

This cultivator can be used in the cultivation of small corn, or any other crop that a double shovel plow is used for, and is especially adapted for running ahead of a one horse wheat drill. The CENTER HOE CAN BE DETACHED and the cultivator will then be a very useful implement in covering potatoes or corn, the two front hoes covering and the two rear hoes cultivating. These cultivators have the break pin attachments. They can also be contracted or expanded by means of a crank convenient to the operator.

THE THREE HOE SIDE BAR DRILL.

(NOT ILLUSTRATED.)

This implement WILL DRILL WHEAT, RYE, OATS OR BARLEY. The side beam to which the hoes are attached is fastened to the CENTER FRAME WITH A HINGE, so that it may BE ADJUSTED TO ANY DESIRED ANGLE. The side beam projects to the right-hand side of the row and runs very close to the corn.

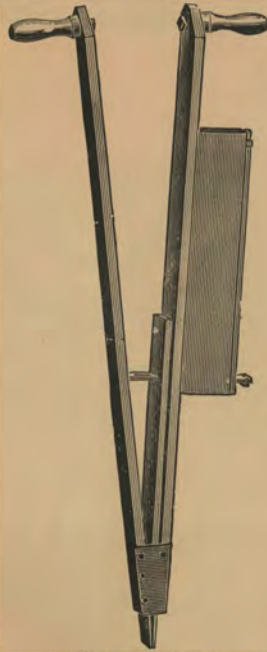
PRICE LIST.

Two Horse, Eight Hoe Star Drill.....	\$75.00
Six Hoe Star Drill.....	31.00
One Box, Five Hoe Star Drill.....	29.00
Three " " " " " ".....	29.00
Straight Line, One Box, Five Hoe Star Drill.....	29.00
New Style, Three Hoe Star Drill.....	23.50
Improved Star Corn Drill.....	21.00
Five Hoe Star Cultivator.....	11.00
Three Hoe Side Bar Star Drill.....	23.00

HAND CORN PLANTERS.

**"PEERLESS."**

PRICE, PER DOZ., - - - \$13.50
With Iron Box and Channel.

**"CHAMPION."**

PRICE, PER DOZ., - - \$18.00
With Pumpkin Seed Attachment; Wood Box and Channel.

**"KING OF THE FIELD."****"KENTUCKY."**

PRICE PER DOZ., - - - \$13.00
With Iron Box and Sides.

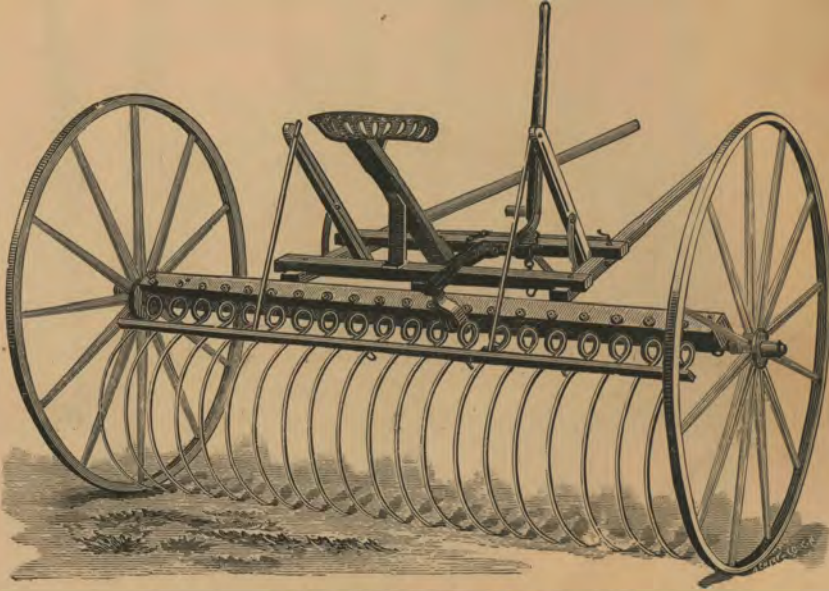
**ONE HAND PLANTER.**

PRICE, PER DOZ. \$30.00

The King of the Field has an iron drop on the slide — instead of wood — in two pieces, each piece corrugated and fastened together by a screw. The slide is also hinged to side of planter, entirely obviating any binding or friction in the slide of the feed box, a feature which no other planter has. The blades are of steel with closed sides to prevent seed scattering when planting. It has a sheet iron channel through which the seed drops. The lid fits inside the iron hopper, thus stiffening the sides and preventing denting when handling.

Price, per doz., - \$13.50

THE AUSTIN
 ❁ LOCK-LEVER, ❁ SELF-DUMP ❁ RAKE. ❁



PRICE LIST.

		Wood Wheel.	Steel Wheel.
Austin 20-tooth Rake, with Shafts		\$30.00	40.00
“ “ “ with Pole		32.00	42.00
“ 30-tooth “ “		40.00	50.00

DESCRIPTION.

The Austin is so constructed that the driver's weight is almost sufficient to dump the load, and consequently scarcely any effort is needed on the hand lever. It has double coil steel teeth; it has wrought iron spindles, lathe turned; it has an overhanging cleaner; it is the best and handsomest, and is capable of doing as much work as any rake in the market, and with the greatest possible ease to the operator.

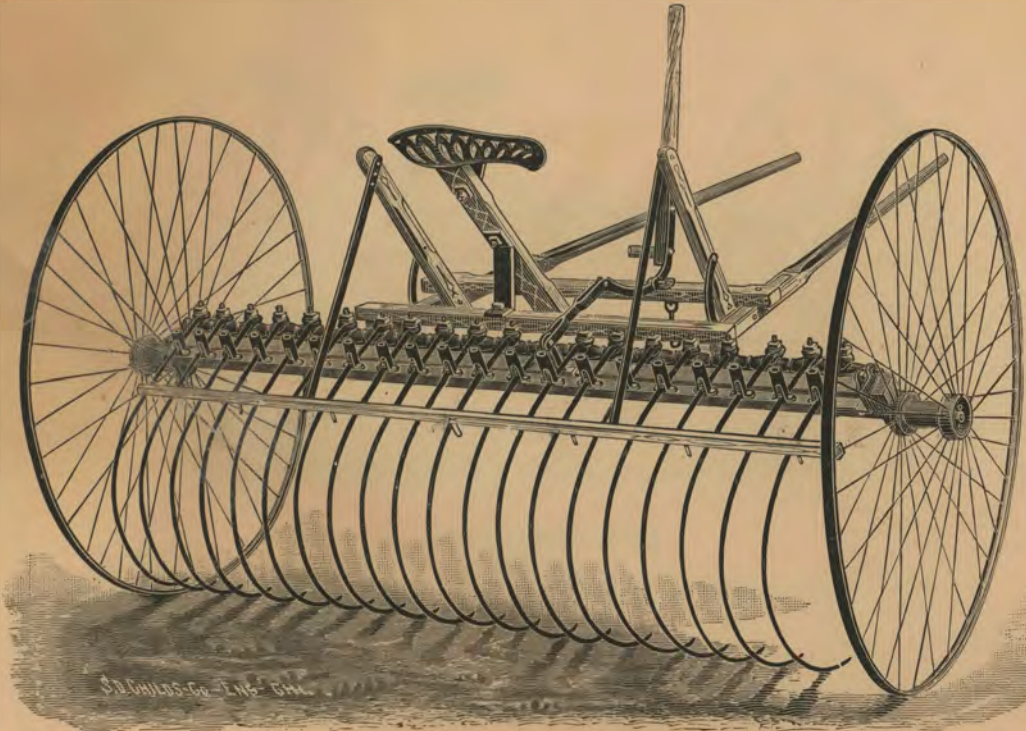
In the Austin we have double coil spring teeth, made of the very best quality of steel, oil tempered. The teeth are heavy, weighing about forty-five pounds to the set. The manner of securing the teeth in the rake head is such that they can be inserted or removed without interfering with any of the others, each being attached independently. The overhanging cleaner is adjustable, and is attached in the most substantial manner.

We have, in the Austin, the lightest possible draft, for we have the very best rake wheels made, running on wrought iron spindles, lathe turned to fit in carefully bored and reamed iron hubs. The Austin is honestly made and is guaranteed to work well. All material is selected with care, insuring durability, and is handsomely finished. We use the same steel suspension wheels on this rake as shown in the cut of the New Hollingsworth on next page.

The Austin 30-tooth is built with a 12-foot head, $3\frac{3}{4}$ x 4 inches, and is intended to fill a long-felt want. Our customers must place their orders for this 30-tooth rake early in the season to insure delivery, as in building them we are obliged to use special material, not suited to any of our other rakes; hence we intend to manufacture the 30-tooth only on orders.

NOTE.—We do not furnish double-trees or neck-yoke.

The New Hollingsworth Lock-Lever, Self-Dump Rake.



PRICE LIST.

		Wood Wheel.	Steel Wheel.
New Hollingsworth	20-tooth Rake, with Shafts.....	\$35.00	\$45.00
"	" " " Pole	37.00	47.00
"	" " 12-foot Head, 30-tooth Rake, with Pole, only.....	45.00	55.00

DESCRIPTION.

Our New HOLLINGSWORTH COMBINES, AS WE BELIEVE, THE ADVANTAGEOUS FEATURES OF EVERY RAKE NOW IN THE FIELD, WITHOUT THE COMPLICATION OF COGS, SPROCKET WHEELS, FRICTION BANDS, ETC.

The New Hollingsworth Rake has twenty OIL TEMPERED steel spring teeth of extra length, fastened to the rake head in a manner which makes each tooth entirely independent. The teeth are held to their work by means of a yoke or cage inclosing a copper spiral spring placed on the guide board over each tooth, THEREBY PERFECTLY COMBINING THE DROP AND COIL SPRING TOOTH. The cages, at the same time, serving as a guide to prevent the teeth from getting out of line.

THE RAKE IS MADE TO LOCK by throwing the joint (connecting rake head to lever), above center, enabling the operator to load the rake to its fullest capacity while bunching or working in heavy grass, without liability of scattering or dumping until the winrow is reached.

It is practically a SELF DUMP RAKE, the weight of the operator, together with the draft of hay against the teeth, causing it to dump almost instantly after being unlocked.

It has an OVERHANGING CLEANER INSTEAD OF CLEANER STICKS. The wheels are high, with TIRE SHRUNK ON.

THE SPINDLES, instead of being cold rolled iron, or ground off, ARE TURNED THE SAME AS AN AXLE TO A CARRIAGE.

The body of the rake is painted a bright vermilion and the wheels a cream color, all handsomely striped and varnished.

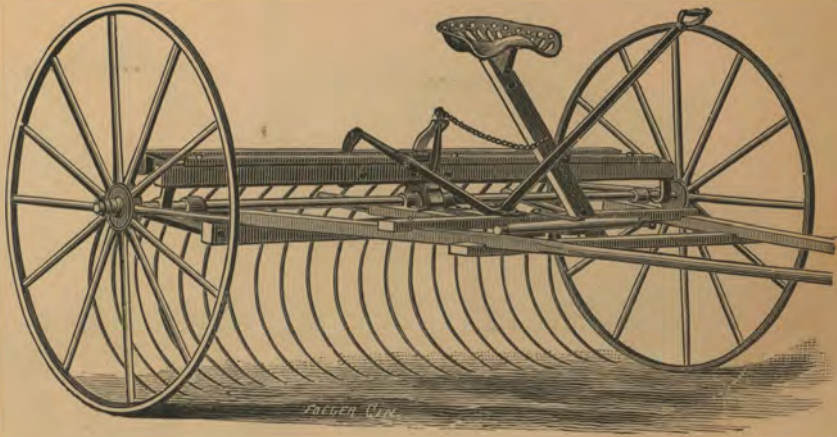
THEY ARE MADE OF THE VERY BEST MATERIAL THROUGHOUT.

Our steel suspension wheel is thoroughly reliable and the only one we know of against which there has never been a complaint.

The 30-tooth New Hollingsworth has a twelve foot head with thirty teeth. The wheels and proportions of this rake are larger, to correspond with the additional number of teeth. This rake is made for pole only. As special material is used in constructing the 30-tooth rakes, orders must be placed in advance of the season to insure delivery.

NOTE.—We do not furnish double-trees or neck-yoke.

The "Gazelle" Self-Dump Rake.



PRICE LIST.

"Gazelle" 20-Tooth Rake, with Shafts	\$40.00
" " " " Pole.....	42.00

DESCRIPTION.

The "Gazelle" is a POSITIVE SELF-DUMP RAKE, DUMPING WITH BOTH WHEELS. The iron axle REVOLVES CONTINUALLY when the rake is in motion, and when the latch is tripped it engages a cog in the center of axle and the forward motion of EITHER WHEEL furnishes the lifting power, and dumps the load, when the latch trips itself and the teeth drop back to the ground. The center cog is covered by a shield through which passes the $1\frac{1}{4}$ inch axle. The rake-head, to which the teeth are ATTACHED, is a SOLID PIECE. The advantage we have in our solid iron axle and SOLID WOOD HEAD, IS SELF-EVIDENT.

In addition to these special features we have a cast thimble—patented—in the rake-head to receive the upper end of the teeth, thus preventing them from wearing against the wood. The shafts and cross-pieces on the "Gazelle" are ganed together, not simply bolted.

The teeth are of the BEST CRUCIBLE STEEL, TEMPERED IN OIL.

The "Gazelle" is manufactured from selected stock, and only the best material and workmanship is used.

NOTE.—We do not furnish double-trees or neck-yoke.

✻ THE GREENSBURG ✻ HAY ✻ RAKE. ✻



The Greensburg can be operated by a boy ten years old. The head and teeth being round and mounted on low runners, gather no trash, and thus obviate a difficulty so common with the square head and square tooth rake

It is a well-known fact that hay raked with many of the rakes now on the market is less salable, because of the trash which mixes with it. From actual trial the Greensburg does cleaner work than any other rake now made.

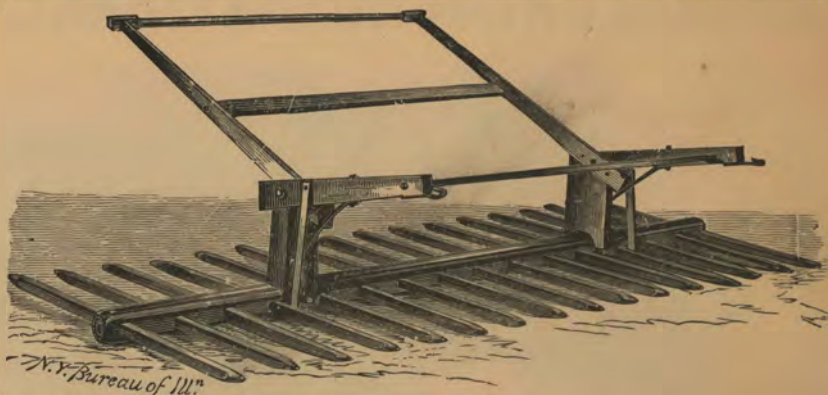
It is the only REVOLVING RAKE ever made that can be operated and its work controlled from a horse. A boy ten years old can ride and do the work that requires a man on any other rake. It also can be worked from the rear the same as other rakes.

It is the LIGHTEST rake made, and yet is very strong and durable.

Taking its good qualities into account, it is the CHEAPEST rake on the market.

Price.....Each, \$10.00

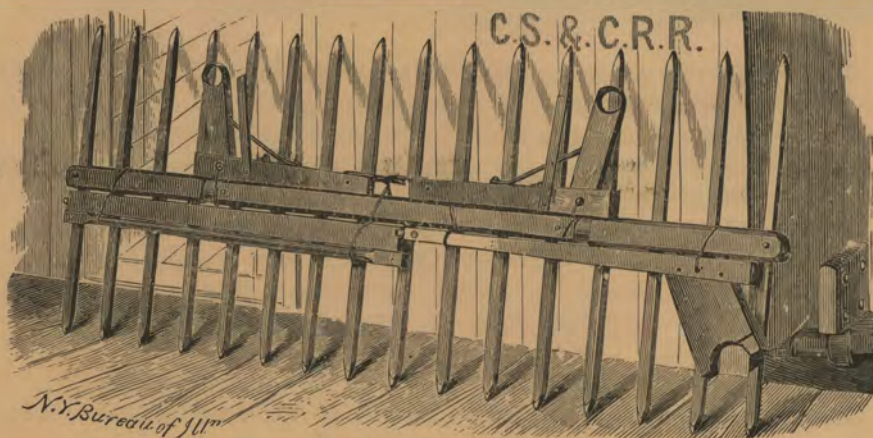
THE TIFFIN HORSE RAKE.



SET UP READY FOR USE.



OUR IMPROVED TRIPPING ARRANGEMENT.



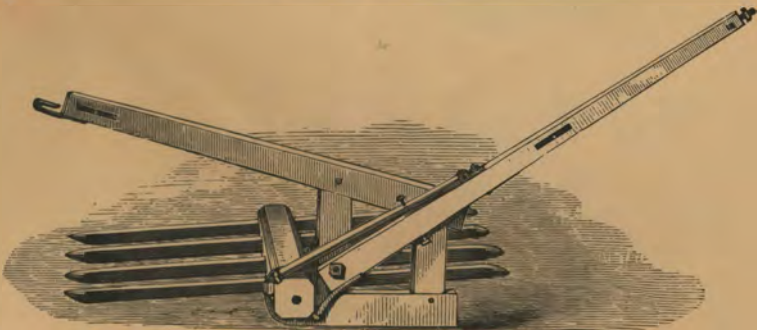
PACKED FOR SHIPMENT.

For Description and Prices, see Page 20.

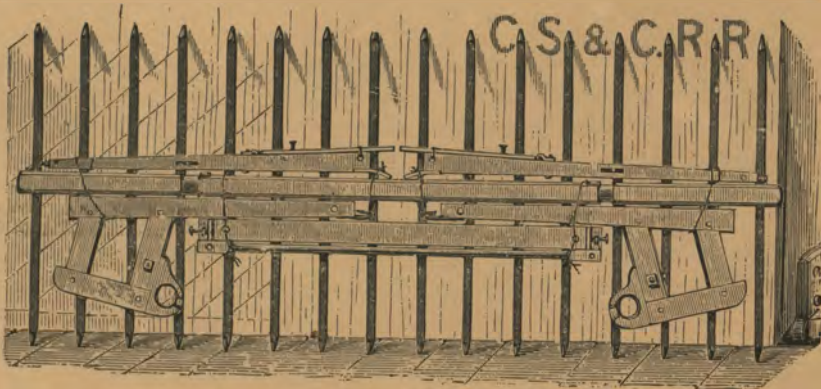
The Barnes Revolving Horse Rake.



SET UP READY FOR USE.



OUR IMPROVED TRIPPING ARRANGEMENT.



PACKED FOR SHIPMENT.

For Description and Prices, see Page 20.

THE TIFFIN HORSE RAKE.

THE TIFFIN HORSE RAKE is now classed with the *standard farm machinery* of the country, and the sale of over 115,000 of them, during the past few years, fully attests its popularity with the farming community.

They are made 14 and 16 tooth; the teeth are of hickory, square; frame and head of the best hard wood; tripping clutch of the best sugar maple; patent adjustable iron knee braces; and patent tripping arrangements. *Head and frame varnished and teeth oiled.* The best quality of seasoned timber is used in its manufacture, experienced and competent mechanics only are employed, with machinery designed and constructed especially for the purpose.

OUR TRIPPING ARRANGEMENT

is simple, durable and easily operated, and when worn out can be repaired by any farmer. The cuts on page 18 will serve to show what our rake is, and will explain themselves at a glance.

PRICE LIST.

Tiffin 14-tooth rake.....	\$10.00
" 16 " "	12.00

BARNES REVOLVING HORSE RAKE.

SEVENTY-FIVE THOUSAND BARNES RAKES sold since its introduction in 1870, is a full and very satisfactory attestation of the merit of the article, and declares its popularity. The improvement of 1879 in putting through the head a *solid malleable lug, or stop, rendered it perfect.* We beg to assure the trade that no pains will be spared to keep the BARNES up to the standard of excellence.

THE BARNES RAKE

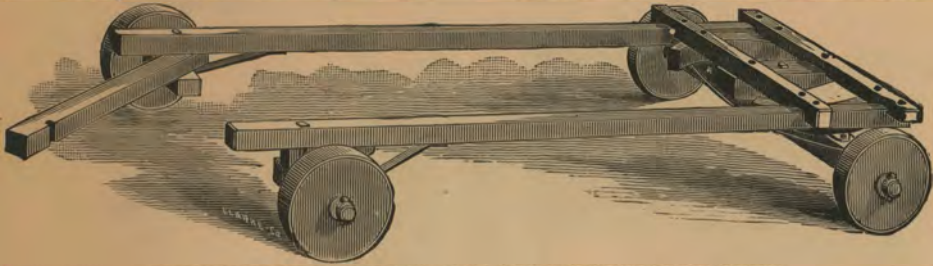
possesses points of excellence not found in any other rake made, among which are the following:

THE HEAD, being mounted on runners, is carried clear of the ground and runs much easier and steadier than the ordinary rake. THE UPRIGHT POSTS of the frame and the tripping device being entirely in the rear of the head, more hay can be carried before tripping than with any other rake. THE STOPS, *which are mortised through the head, are of malleable iron, and the pieces that work against them on the side arms are of wrought iron.* Both form the tripping arrangement, and, being of iron, will not wear out. THE SIDE ARMS being hinged so near the head, and the leverage being so short, the rake will trip easier than any other. THE LOCK is sure and the rake cannot revolve except at the will of the operator.

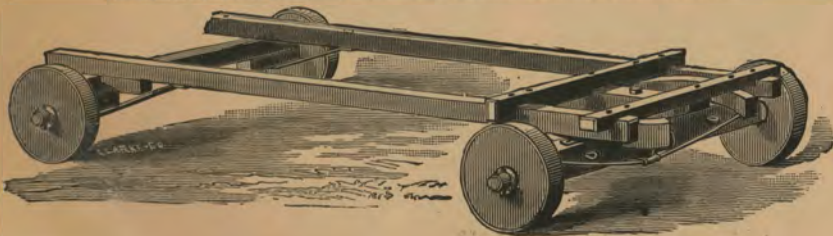
The head and frame are made of the best quality of hard wood timber, thoroughly seasoned; the teeth are of hickory; nine foot head, and sixteen teeth. Head and frame varnished—teeth oiled with linseed oil.

Price, Barnes 16 tooth rake\$12.00

THE CLAYTON BINDER TRUCK.



THIS CUT REPRESENTS THE AXLE PARTIALLY OPEN.



READY FOR USE.

[Manufactured under Letters Patent, No. 268,867.]

THIS LOW-WHEELED TRUCK WAGON IS

SIMPLE, STRONG, PRACTICAL,

and meets every reasonable expectation.

The necessity for a truck to remove self-binding harvesters through barn doors, farm gates, narrow lanes, over bridges, and along public roads, is admitted by all.

The novelty of the Clayton Truck consists in the SWINGING REAR AXLE. This feature is covered entirely by our patents.

By the loosening of a nut the rear axle can be swung open or taken off, which admits of the truck being backed under the binder, making it easy to load and unload.

DESCRIPTION OF CLAYTON TRUCK.

The truck is about ten feet long and six feet wide, and has four wheels.

The rails and other wooden parts are of hardwood, seasoned, three by four inches.

The front part is very strongly made and is guaranteed to carry two tons on front axle. It is supported by two iron truss rods, and although four-fifths of the weight is carried on this axle, it can not yield, but is held in line by these rods.

It has wooden wheels, made of two thicknesses of two-inch lumber, securely fastened together, the grain running crosswise. They are sixteen inches in height, with a good wrought iron tire and cast boxes, securely bolted through the wood wheel.

These boxes are made very heavy, and are especially adapted to the severe service required of them.

The spindles are of wood, protected by iron skeins. They are strong and durable, and attached to the frame so securely as to prevent any movement. They are tapered so as to permit the usual motion of the wheel and avoid, as far as possible, friction and heating.

ADVANTAGES OF THE TRUCK.

One man can load or unload the binder in a few minutes.

The binder rests on all parts of the truck frame, thereby preventing any strain on the binder.

The binder can be set up complete before delivery to the farmer, and can be hauled home on the truck, ready for work in the field.

On the Clayton truck the heavy weight is chiefly on or over the front axle. Two horses can haul it easily.

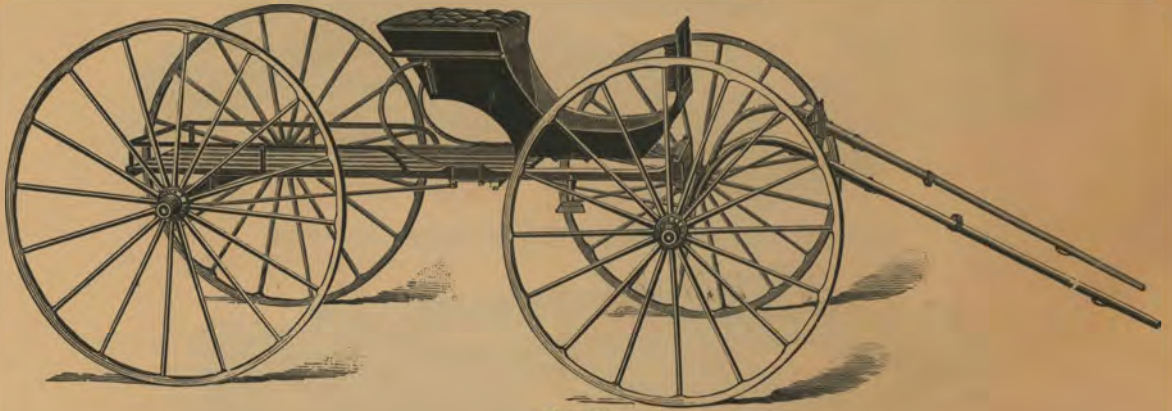
The grain wheel end of the platform may extend beyond the rear axle. This truck will haul the longest or shortest binder made.

Its stout frame, strong and low wheels, and the ease with which it can be hauled about the farm, make it a very useful farm wagon. A few boards will make a temporary bed, suitable for hauling seed wheat, hay, manure, logs, rails, etc.

Directions for using sent with each truck.

Price.....each. \$20.00

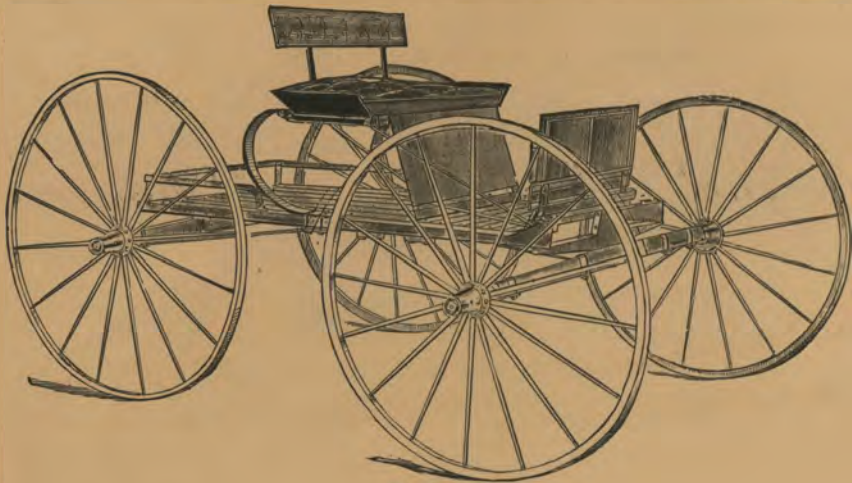
C Spring Side Bar Buckboards.



No. 52.

Oil tempered, $1\frac{1}{2}$ inch C springs in the rear. The front of the body is hung on springs and coupled with platform spring shackles. The rail around the rear is made from steel, 3-4x3-16 inch. The back part of the rail is fastened with two bolts, that it may be removed when hauling articles longer than the bed, thus avoids mashing the rail. We have all the EASY RIDING QUALITIES OF THE BEST SIDE BAR BUGGIES. Have none of the objectionable shake usual to the buckboards. We retain all the hauling capacity of the old-fashioned buckboards, and have a much stronger and longer lived vehicle. We CAN PUT TOPS ON any of our buckboards. This is the best thing in the market. Material used in the construction of this buckboard is of the best quality throughout, 1 inch axles, $\frac{7}{8}$ or 1 inch wheels and patent leather dash. We charge extra for axles larger than 1 inch, or wheels heavier than 1 inch.

No. 52.....Each, \$75.00



No. 51.

Hung on oil-tempered C springs in rear. The front is hung on springs coupled with platform spring shackles.

No. 51.....Each, \$65.00
 No. 51, with lazy-back " \$68.00

WHEEL BARROWS.

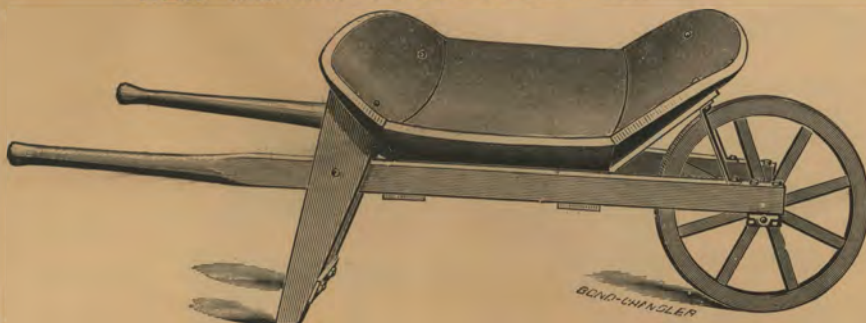
COMMON R. R. BARROW.



Manufacturers usually think it necessary only to *throw* these barrows together, but we make them strong and substantial.

Price, with wood wheel, per doz., \$18.75 | Price, with iron wheel, per doz., \$24.75

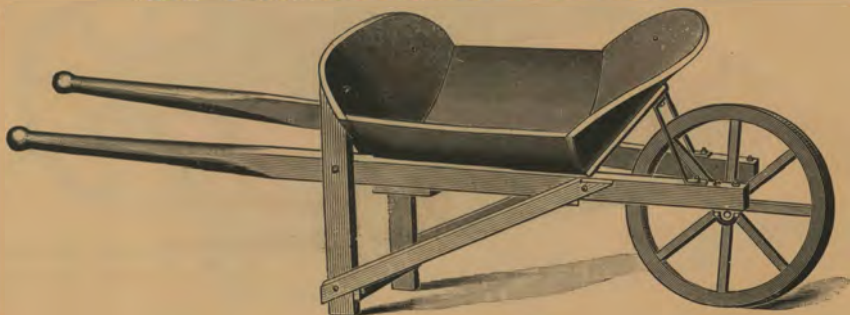
NEW INGHAM FULL-BOLTED BARROW.



Tray is same as used on "Lansing" or "Capital." Legs being notched on and extending above handles form a strong support for end of tray.

Price, with wood wheel, per doz., \$21 00 | Price, with iron wheel, per doz., \$27.00

NEW CLIMAX FULL-BOLTED BARROW.



Tray is same as used on "Lansing" or "Capital." Legs firmly braced.

Price, with wood wheel, per doz., \$22.50 | Price, with iron wheel, per doz., \$28.00

WHEEL BARROWS.

(CONTINUED).

THE LANSING PATENT BOLTED DIRT OR CANAL BARROW.



Large, deep, flaring tray, made of clear stuff. Bent felloe wheel; painted; $1\frac{1}{2}$ inch tread. More of this style of barrow in use and scattered over a greater extent of territory than any other bolted barrow manufactured.

With wood wheel.....	Per dozen, \$25.50
“ iron “	“ 31.50

We enlarge this barrow by substituting a tray 20 inches at bottom and 39 inches at top. Sides, 12 and 15 inches, back and front respectively, and 38 inches long, and all other parts proportionately, which makes a first class barrow for handling SALT, PAPER PULP, MOULDING SAND, ETC.

Price with wood wheel	Per dozen, \$48.00
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THE CAPITAL PATENT BOLTED DIRT OR CANAL BARROW.



This barrow is too well known to need any explanation of its merits. The tray and wheel are same as used on the “Lansing” barrow above mentioned, and the barrow itself has been well and favorably known for years under the name of the “Centennial.”

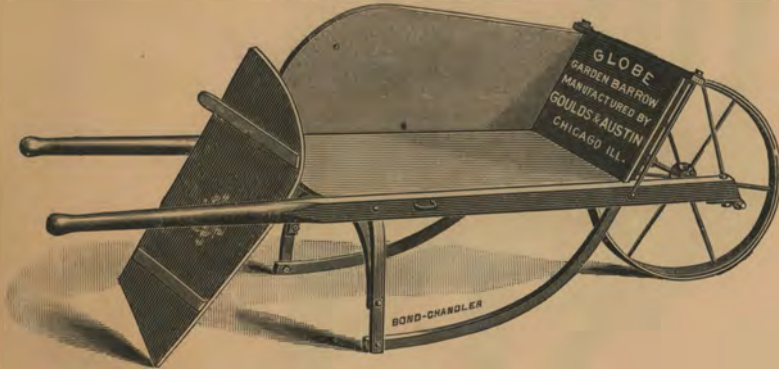
Price with wood wheel.....	Per dozen, \$30.00
“ “ iron “	“ 36.00

WHEEL BARROWS.

(CONTINUED).

THE CELEBRATED GLOBE GARDEN BARROW.

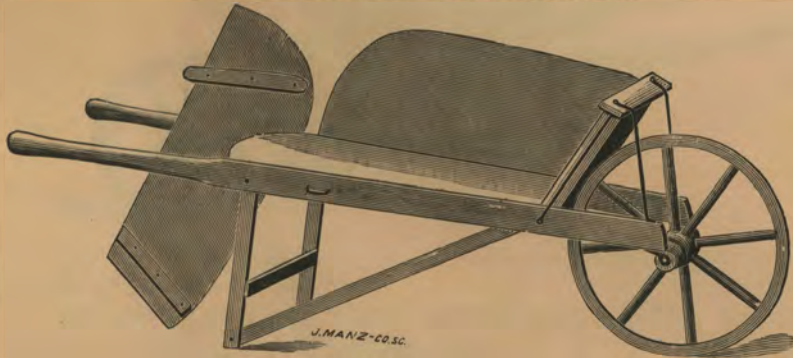
STRIPED AND VARNISHED.



We wish to call the attention of the trade to this—the best garden barrow in the market. It is made of thoroughly seasoned material and nicely painted and striped; 20-inch bent fellow wheel, 1½ inch tread. Decidedly the best garden barrow in the market. Size of box, inside measure, 30 inches long, 24 inches wide; side and end boards 12 inches deep. Suitable for all ordinary purposes.

Price, with wood wheel.....Per dozen, \$42.00
 Price, with steel wheel....." 52.00

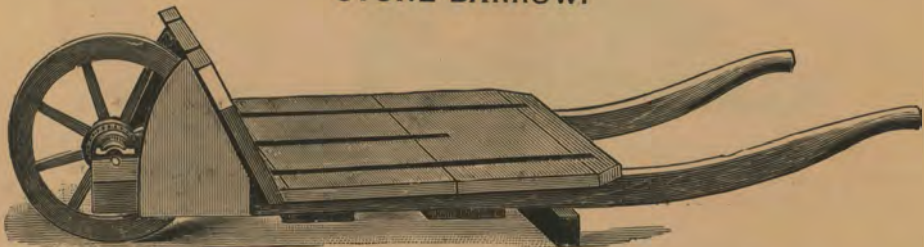
THE STAR GARDEN BARROW.



The material used in this barrow is first class. It is strongly braced, well painted and striped.

Price, wood wheel.....Per dozen, \$32.00

STONE BARROW.



Price, with wood wheel.....Per dozen, \$48.00

WHEEL BARROWS.

(CONTINUED).

BRICK YARD BARROW.



Price, with wood wheel.....Per dozen, \$126.00

MORTAR BARROW.



Bolted and strongly braced ; painted.

Price, with wood wheel.....Per dozen, \$36.00

THE COLUMBUS STEEL TRAY WHEELBARROW.



No. 1.

Tray of No. 14 steel ; capacity, $3\frac{1}{2}$ cubic feet. Wheel, 17 inches in diameter ; wrought iron tire, $1\frac{1}{2}$ inches wide ; STEEL spokes. For earth, sand, ore and foundry use.

Price.....Each, \$8.00

No. 2.

Tray of No. 13 steel ; capacity, 5 cubic feet. Wheel, 17 inches in diameter ; wrought iron tire, $1\frac{1}{2}$ inches wide ; STEEL spokes. For coal, manure, sawdust, ashes, etc.

Price.....Each, \$10.00

—TUBULAR BARROWS.—

DIRT BARROWS.



Size No. 4, with tray, made of No. 16 iron, holding 3 cubic feet of earth.
Weight of barrow, 65 lbs.

Price.....Each, \$10.75

Size No. 4 $\frac{1}{2}$, with tray, made of No. 14 iron, same size as No. 4. Weight
of barrow, 70 lbs.

Price.....Each, \$11.50

Size No. 5, with tray, made of No. 14 iron, holding 4 cubic feet of earth.
Weight of barrow, 80 lbs.

Price.....Each, \$13.50

Size No. 6, with tray, made of No. 14 iron, holding 5 cubic feet of earth
or 225 lbs. of coal, adapted for same use as No. 5, and as a small coal barrow.
Weight of barrow, 85 lbs.

PriceEach, \$15.00

COAL BARROWS.



Size A, with tray holding 325 lbs. of coal. Greatest width of tray, 30
inches. Weight of barrow, 135 lbs.

Price.....Each, \$26.00

Size B, with tray holding 400 lbs. of coal. Greatest width of tray, 36
inches. Weight of barrow, 145 lbs.

Price.....Each, \$29.00

Size C, with tray holding 260 lbs of coal. Greatest width of tray, 25
inches, especially designed for use in coal bunkers. Weight of barrow, 135 lbs

Price.....Each, \$26.00

Size D, with tray holding 300 lbs. of coal. Weight of barrow, 98 lbs.

Price.....Each, \$18.00

Size D, No. 2, with tray holding 350 lbs. of coal. Weight of barrow,—
Price.....Each, \$20.00

Size E, with tray holding 4 bushels of coke or charcoal. Weight of bar-
row, 126 lbs.

Price.....Each, \$28.00

This barrow is expressly designed for carrying coke, charcoal, or other
equally light material, and is not intended for use as a coal barrow.

SCRAPERS.

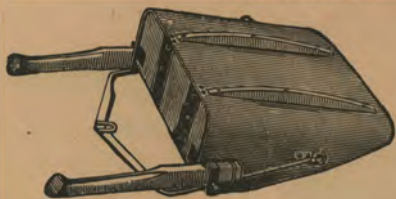
STEEL BOTTOM ROAD SCRAPER.



SIZES AND PRICES—WITH CHAIN BAIL.

30 inch....\$9.00 each. 32 inch....\$9.50 each. 34 inch....\$10.00 each

SLUSSER STEEL SCRAPER.



SIZES AND PRICES.

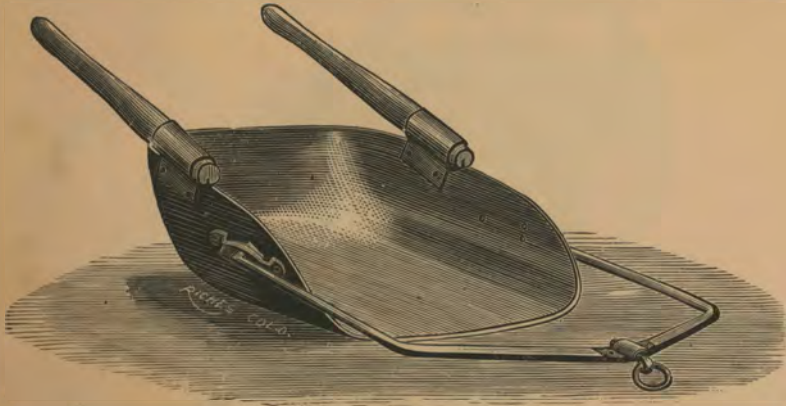
No. 1.—Carries $\frac{1}{4}$ yard of dirt at a load. For hauling dirt a long distance, not too much up hill, this is the best scraper, but is rather large for hauling up steep banks.

No. 2.—One size smaller; a good farm scraper. In fact, suitable to every use a scraper can be put to, such as railroad grading, levee work, township use, ditching, etc.

No. 3.—Still smaller size; intended as a one-horse scraper, to be used in a narrow ditch, or where two horses cannot be used to advantage. Owing to its peculiar shape it is of very light draft, so that one horse can move as much dirt with it as two horses with the old-fashioned scrapers.

No. 1.....\$13.00 each. No. 2.....\$12.00 each. No. 3.....\$11.00 each.

The Columbus Solid Steel Scraper.



WITHOUT RUNNERS.

- No. 1.—Carries 7 feet of earth. Used for long hauls or on down grade.
 No. 2.— “ 5 “ “ For all ordinary grading, farm or road work.
 No. 3.— “ 3 “ “ For work on narrow ditch with one horse.

In ordering these scrapers give name, “Columbus,” to distinguish from other scrapers made by us.

The bails are of refined iron and of improved pattern, with strong and perfect working swivels. STEEL bails furnished when specially ordered.

We ship always without runners unless otherwise directed.

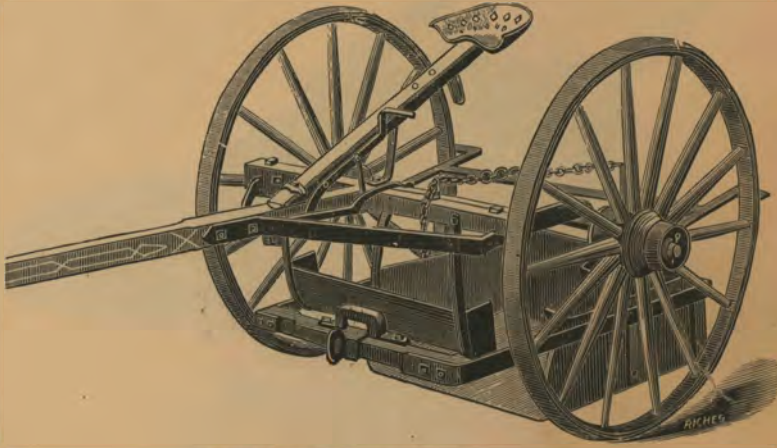
PRICES.

No. 1. With Iron Bail	\$15.00 each.
No. 2. “ “ “	14.00 “
No. 3. “ “ “	13.00 “
Runners, extra.....	.50 pair.



WITH RUNNERS.

The Columbus Excavating Cart.



SCRAPER LOWERED TO FILL.

One size only.—Width of box, 42 inches ; length, front to rear, 40 inches ; depth, 15 inches ; capacity, EVEN FULL, one-half yard of earth.

The box is made of the best steel plate, ONE-FOURTH INCH THICK, and is mounted on 56-inch wheels, 3-inch tread, tracking with ordinary wagon. Wheels and tongue are of the best second growth oak and ash ; all other parts are wrought iron.

This scraper is SIMPLE in construction, thoroughly and SUBSTANTIALLY made, and, with an experience of many years in making earth moving implements, we claim it is the most PRACTICAL and ECONOMICAL.

The driver operates and has entire control of the scraper, loading and dumping with ease, on any kind of grade or dump, without leaving his seat.

The bowl is so constructed and attached that the scraper takes the ground like a plow, and can be regulated to cut any depth desired. When loaded, the driver applies the break, and the scraper is raised into position for carrying by the forward motion of the team.

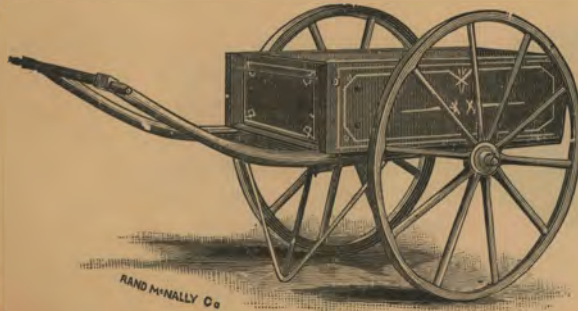
ONE man (or BOY), with team, thus does ALL the work, saving expense of extra men necessary to work ANY OTHER scraper.

The box is so shaped, being broad and short, that it fills more easily than any other, and is so hung that the load is perfectly balanced and there is NO STRAIN ON HORSES' NECKS, which will be appreciated by those who have used other scrapers.

The excavator is best worked in gangs of five to ten, as it requires a "snatch team" to fill, but when filled, one team will move the load with ease.

Price, each.....\$100.00

HAND CARTS.



Carts of this kind are growing into popular favor daily. PAINTERS, CARPENTERS, BILL POSTERS, MASONS, etc., find they are ahead of anything else for carrying tools and light material. Farmers, too, use them to good advantage about the orchard or garden.

No. 1, 36-inch wheels, 1 inch tread, $\frac{7}{8}$ inch iron axle.

Price.....Each, \$9.00

No. 2, 30-inch wheels, $\frac{7}{8}$ inch tread, $\frac{3}{4}$ inch iron axle. Nicely painted and striped.

Price.....Each, \$8.25

THE REYNOLDS IMPROVED MILL, WAREHOUSE AND MERCHANT'S TRUCKS.



This truck will be found especially adapted to the wants of MERCHANTS, FLOURING MILLS and WAREHOUSEMEN. Jobbers in almost any line will find in its use a great saving of time and expense. In making up orders and unpacking goods, the different kinds can be kept by themselves and laid on the platform without wrinkling or jamming.

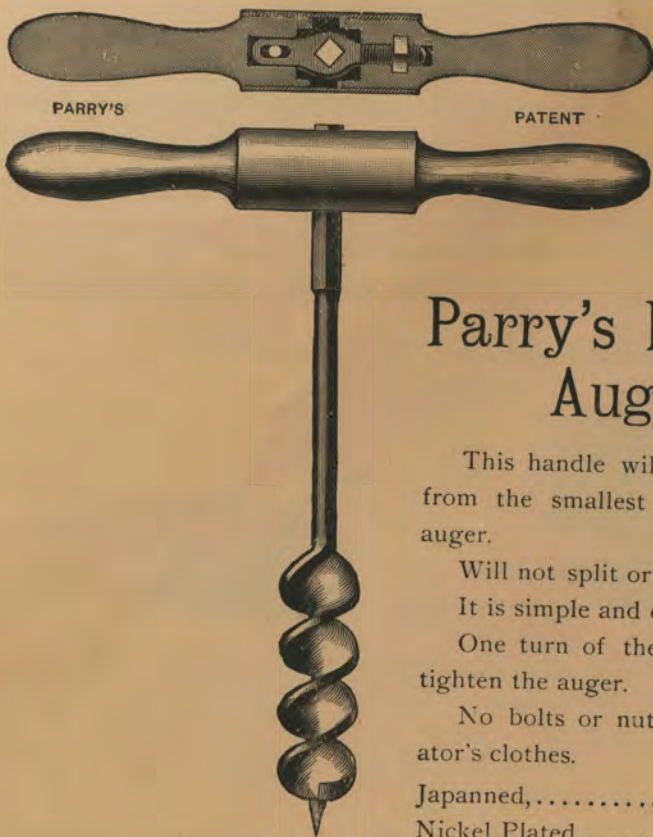
Price.....With box, \$37.50

Price.....Without box, \$33.00

✽ BINDER ✽ TWINE. ✽



During the past two years there has been more or less experimenting among concerns new to the business in the manufacture of this line of goods. The result is that a great deal of rejected, inferior stuff is now being offered through the jobbers' or manufacturers' agents. The unfortunate experience of the trade with experimental twine has occasioned a demand from the dealer and consumer for goods with an established reputation. Our Binder Twine is the Diamond **E** brand, manufactured of manilla and sisal, guaranteed tensile strength 80 to 85 pounds, and averages 600 feet to the pound. The fact that nearly all the manufacturers of binders have adopted this brand is sufficient recommendation. *We are the only jobbers in the United States handling the Diamond **E** twine direct from the Factory. We keep in stock the standard weight of ball, weighing about 5 pounds.*



Parry's Patent Auger Handle.

This handle will CENTER on anything, from the smallest gimlet to the largest auger.

Will not split or get out of order.

It is simple and easy to adjust.

One turn of the handle will loosen or tighten the auger.

No bolts or nuts to catch on the operator's clothes.

Japanned,	per dozen, \$	4.00
Nickel Plated,	"	10.00

THOMPSON'S RIGID TRACE HARNESS.



Thompson's Rigid Trace Harness Attached to Horse Ready for Use.

THE THOMPSON RIGID TRACE HARNESS



Is a simple device, recently patented, that will supply a long felt want. Instead of using leather or chain traces, two thin and light bars of strong wood are used, being connected to the hames in front by eye straps or yokes. The tenons on the ends of whiffletree are inserted in mortises of traces near the rear ends and secured so they may be detached at pleasure. The rear end of the rigid trace is provided with hooks for general convenience of attaching to sleds, buggy or drags where horse power is used. The traces are suspended from the horse's hips by hip straps.

This Rigid Trace Harness can be easily adjusted to any common harness.

It will be seen at once that with this improved RIGID TRACE HARNESS for working horse hay forks, hay carriers, and hoisting any articles, the annoyance and trouble caused by the falling of the whiffle is wholly avoided.

The horse can be successfully managed by a small boy; much time and labor saved in unloading. With butt chains the harness can be used for other purposes. Belly-band furnished with the Rigid Harness, but no hip straps. The traces can be attached to the ordinary hip straps. Write for prices.