

GALE Manufacturing Co.



PLOWS

ALBION, MICH. U.S.A.

GALE MFG. Co.

FACTORY AND HOME OFFICE

ALBION, MICHIGAN, U. S. A.



H. K. WHITE,
PRESIDENT.

HORATIO GALE,
VICE-PRESIDENT.

H. R. STOEPER,
SEC'Y AND TREAS.

E. C. LESTER,
SUPERINTENDENT.



LIST OF GOODS WE MANUFACTURE:

- "Gale" Full Line Steel Walking Plows.*
- "Gale" Full Line Combination Walking Plows.*
- "Gale" Full Line Chilled Walking Plows.*
- "Big Injun" Steel 3-Wheel Sulky Plows.*
- "Big Injun" Combination 3-Wheel Sulky Plow.*
- "Big Injun" Chilled 3-Wheel Sulky Plow.*
- "Albion" Combined Riding Spring Tooth Cultivator.*
- "Albion" Combined Riding Spring Tooth Cultivator,
Patent Tooth.*
- "Albion" Walking Spring Tooth Cultivator, Patent
Tooth.*
- "Albion" Broadcast Seeder.*
- "Daisy" Horse Hay Rake.*
- "Daisy" Colorado Horse Hay Rake.*
- "Long Daisy" Horse Hay Rake.*
- "Giant Daisy" Horse Hay Rake.*
- "Albion" Bean Harvester.*
- Gale Disc Harrows.*

BRANCH HOUSES, TRANSFER DEPOTS AND GENERAL AGENCIES.

GALE MFG. CO., 11 Caledonia Ave., Rochester, N. Y.

“ “ “ 216 Walnut St., St. Louis, Mo.

“ “ “ 95 West Water St., Milwaukee, Wis.

“ “ “ Council Bluffs, Iowa.

OHIO TRANSFER CO., Columbus, Ohio.

UNION “ “ Cedar Rapids, Iowa.

“ “ “ Indianapolis, Ind.

W. E. LITTLEFIELD, Peoria, Ill.

GANGELHOFF, JENNINGS & Co., St. Paul, Minn.

NEWELL MATHEWS, 120-124 S. Los Angeles St., Los Angeles, Cal.

BAKER & HAMILTON, San Francisco, Cal.

“ “ “ Sacramento, Cal.

F. H. WOODWORTH, Chattanooga, Tenn.

C. A. LITTERER & Co., Nashville, Tenn.

MITCHELL & LEWIS Co., Portland, Oregon.

ROBT. C. REEVES Co., 85 W. Water St., New York, N.Y.

INTRODUCTORY.

In presenting this Catalogue it is our desire to furnish you with a convenient book of reference. We shall not enter into a lengthy description, but aim to briefly give you a correct and concise description of our plows, so that the principal features can be readily seen (of the goods we represent.) We do not claim the doubtful merit of cheapness, but know that quality is a worthy consideration. We shall be pleased to have your inquiries in regard to prices, terms, etc., or will send one of our representatives to call on you. Trusting you will examine carefully the contents, and thanking you for the patronage of the past and awaiting your further favors, we remain, gentlemen, Yours truly,
GALE MANUFACTURING CO.

GENERAL NOTICES.

NOTICE 1. Most of our plows are fitted with straight handles and adjustable handle brace. This is a very important feature in favor of our plows; in case a handle is broken, any straight plow handle can be used and put on the plow by an inexperienced person, which does away with the necessity of using the *bent handle and the possible delay encountered in being compelled to have a dealer order a bent handle especially for you.* It also enables a dealer to buy plows "Knocked down," thereby saving largely in freights, and saves the dealer if he is in the habit of buying his plows "Knocked down," a great deal of time and temper in putting plows together, for with the use of the adjustable handle brace he can make a set of handles fit a great many different styles and sizes of our plows. You will find all our plows, strictly speaking, unequalled for use in the kind of soils and for the kind of work for which they are intended.

NOTICE 2. The inadequate facilities which manufacturers of steel plows possess has been apparent a great many years, compelling them to destroy the virtues of the steel in the manufacture in order to enable them to produce a fine finish. The reason for this is, that with the ordinary methods employed by most manufacturers in shaping the steel, the surface of the mould-board becomes uneven in shaping it, "pitted," so called, and in order to reproduce an even surface an *unusual amount of grinding is necessary.* This extra grinding in

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polishing, not only very materially shortens the life of the plow, but it also destroys the evenness of the temper. With our patented machinery employed for shaping steels, we produce the shape without in any way affecting the surface of the steel. We are thus able to furnish the plow with from 50 to 80 per cent more of a wearing body to the surface of the mould-board that can be possibly furnished by plows manufactured in the ordinary way, and to polish plows with at least seventy-five per cent less grinding than would necessarily be employed in polishing the plow formed in the old way. All our plows are polished under our own *patented cold blast process*.

This feature, like the process just mentioned, belongs to ourselves, patented by us, and cannot be employed by any other manufacturer. It enables us to cool the mould-board and to keep it cool while we are polishing it.

We are the only house on earth that polish plows in this manner and our plows are therefore the only ones, the temper of which is perfectly even, and which can always be relied upon. We use only our patented cloth burnishing wheels which reduce the friction to a minimum and one trial of our plows will convince a dealer that they are manufactured the most "even" of any in the world.

NOTICE 3. All our steel plows are made on a malleable frog which by actual test is found to be highly superior to any wrought frog made, particularly in that it enables us to produce a plow exactly like the original, all frogs being precisely alike. We make plows that an inexperienced person can put together, or repair. By welding frogs and making them of wrought iron the great danger lies in their springing, or the constant strain is apt to get the frog somewhat out of shape and then when a new share or new landside or mould-board is wanted it requires an expert to fit the part to the plow. With the malleable frog you have one that always retains its shape, that cannot possibly get strained out of line, and to which any person can attach a new share or landside. Farmers who have had any experience in having plows repaired will appreciate the great value and advantage of having plows made in such a way that they can put on duplicate parts themselves, and dealers will appreciate a plow made so that they are sure a duplicate part will fit when they order it, thereby disposing of the old fashioned "cut and try" method when plows have to be repaired.



Steel Beam Stubble Plow.	Double
shin. Right or Left-hand.	List.
Size.	Weight.
H12 12 in. cut.	\$
H13 13 " "	
H14 14 " "	
H6 16 " "	

Stubble Plow. The above cut represents our Steel Beam Stubble Plow, double shin, with medium landside and with hardened share and landside, and hardened soft center syndicate steel mould-board (of the very best quality of patent plow steel obtainable), with quick turn particularly adapted for ashy land, old land, or shallow plowing. The mould-boards are shaped and the plow buffed by *our own method which is patented and which enables us to produce plows that are superior to anything in the world (see notice)*. The scouring and wearing qualities of our plow are truly unequalled.

Always state that Steel Beam Plow is wanted.

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Size.	Weight.	List.
H12 12 in cut.		\$
H13 13 "		
H14 14 "		
H6 16 "		

No H 14



Always state that Wood Beam Plow is wanted.

Wood Beam Stubble Plow. The above cut shows our Wood Beam Stubble Plow which is the same as the Steel Beam only with a wrought standard, and steel cap, and has all the virtues of the Steel Beam Plow. Double shin. Right or Left-hand.



No. H 3

Double shin. Size.	Right or Left-hand. Weight.	\$ List.
H3 14 in cut,		
H3 15 " "		
H16 16 " "		

The above cut shows our Steel Beam Clipper Series, the Turf and Stubble Plows commonly called "General Purpose" Plows, particularly adapted for heavy land, timothy sod and deep tilling. It is of easy, graceful turn of mould-board and light draft; leaves your land in excellent shape for pulverizing with a harrow. Is made of hardened soft center steel, hardened share and landside, straight handles and *manufactured by our patent Cold Blast and other patented processes* (see notice).



The above cut shows our Wood Beam Plow of the Clipper Series, same as the Steel Beam, manufactured in the same way and is in fact precisely the same plow except it is fitted with a wood beam. Wrought standard with steel cap. Double shin. Right or Left-hand.

Weight. List.

H3	14 in. cut.	\$
H3	15 " "	
H16	16 " "	

CAUTION

Farmers understand that it is impossible to make a plow which will act exactly the same under the different conditions of spring and fall plowing. A plow to take the ground in the fall, when it is very hard and dry, must be very sharp, with heel of share set well down. This has the double effect (point of share having proper set) of keeping the plow down, and also giving it the land, since winging the share down always gives the plow more land. A plow thus prepared for fall work would not be likely to give satisfaction in the spring in soft ground, as it would take more land and run deeper than desired.



Size.	8 in. cut.	List.	Extra Point.
9	"	\$	\$
10	"	"	"
12	"	"	"

The above cut shows our Texas Lone Star Series of walking plows, Steel Beam, made for sticky, waxy soil, and are the most perfect working tool in which a plow of the black land series is employed. If ever a plow is made to scour this one will, being perfectly shaped and particularly adapted for the work intended for them, and the material is the very best that can be had. They are made by our patent process (see notice), with straight handles, medium landside, double shin, and we furnish with these plows an extra steel share.

Steel beam, Texas Lone Star Series. Double shin. Right-hand ONLY.

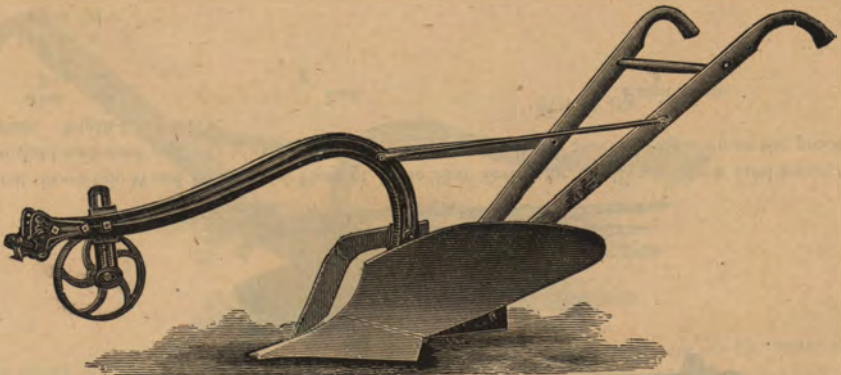


The above cut shows our Wood Beam Steel Plow of Lone Star Series for the Texas black land trade, fitted with wrought standard and steel cap. It is exactly the same as the Steel Beam Steel Plow shown on the preceding page. Wood Beam. Right-hand ONLY.

Size.
8 in. cut.
9 " "
10 " "
12 " "

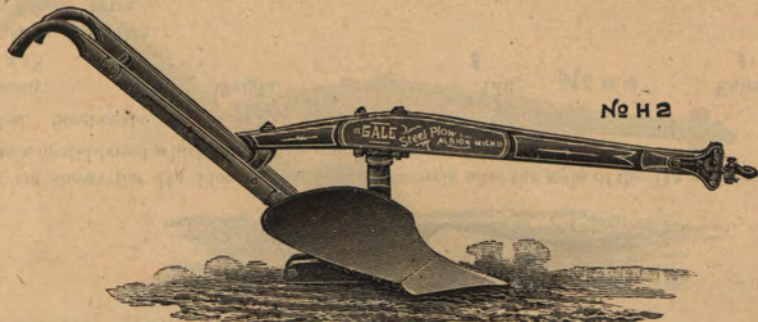
List.
\$

Extra Share.
\$



No.	H ₂ Steel Beam.	Right or Left-
hand.		
Capacity.	Weight.	List.
9 x 18		Extra Point.
H ₂ Com., cast share,	\$	
Fine cutter,	\$ extra.	

The above cut shows our H₂ Steel Beam Plow or Timber Land Plow. This plow is made for general purposes and to be used in lands that are plowed, where the farmer has not desired the plow to cut as much land as it turns, or where the plowing is done after the style of old country farmers. The use of our jointer inverts the stubble completely without "flirting" and leaves readable furrows. This is a very popular three-horse plow in Ohio, Pennsylvania, Michigan, Indiana, New York, New Jersey, Delaware, Virginias, Wisconsin and Kentucky; is made by our patent process (see notice), with hardened soft center patent steel mould-board, and steel share and landside. We also make this plow with a cast share. This plow is also used largely in land wherein a knee coulter has to be used among stumps and roots. We furnish it with a deep creased point in which is bedded the point of the coulter which cannot possibly be dislodged.



The above cut shows our H2 Wood Beam Plow which is the same as the Steel Beam except furnished with wood beam, wrought standard, with steel cap.

No. H2 Wood Beam. Right or Left-hand.

Capacity.

9 x 18

Weight.

List.

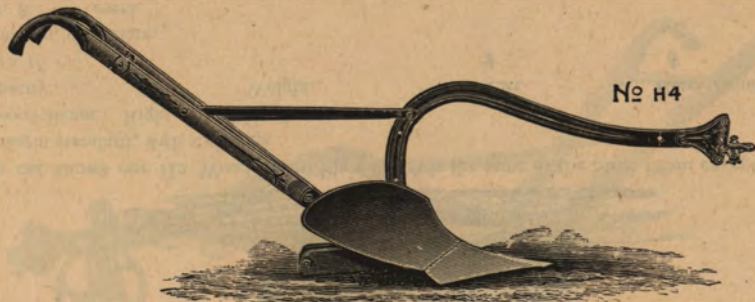
\$

Extra Point,

\$

H2 Combination, cast share,

Fine cutter, \$ extra.



The above cut shows our H4 Plow. This is built precisely after the style of the H2 with the same capacity except that it has a mould-board which has a little quicker turn.

No. H4 Plow. Steel beam. Right or Left-hand.

Capacity.

8 x 18

Weight.

List.

\$

Extra Point.

\$

H4 Combination, cast share,

Fine Cutter, \$ extra.

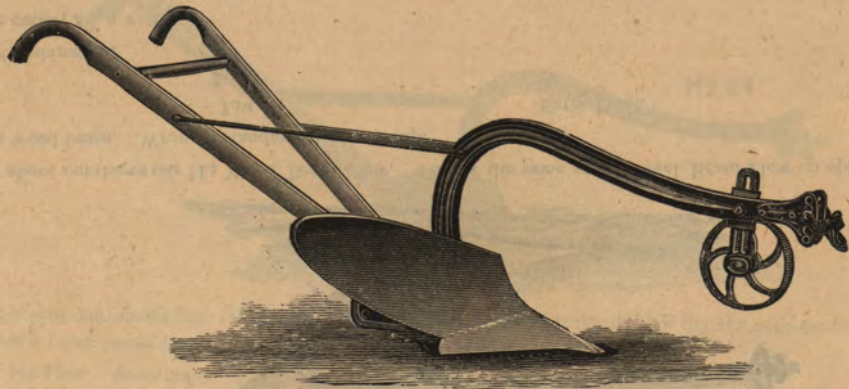


The above cut shows our H4 Wood Beam Plow. This is the same as the Steel Beam Plow on opposite page only with wood beam. Wrought standard and steel cap.

List.
\$

Extra Point.
\$

H4 Combination,
Fine cutter, \$ extra.

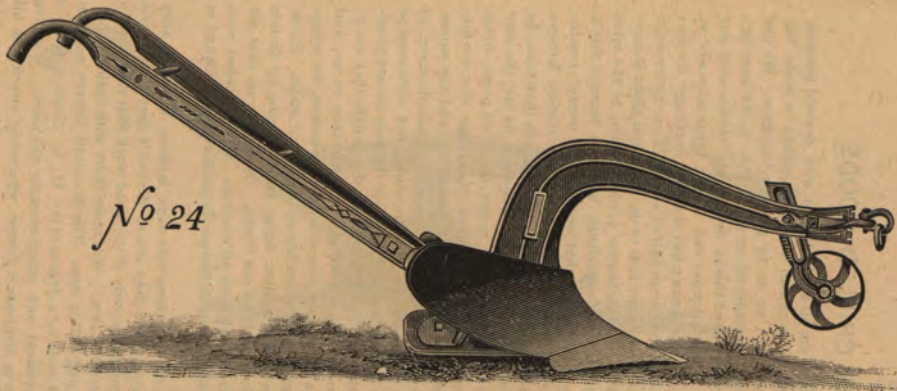


Same plow with patent chilled mould
\$

The above cut is of our H24 and No. 240 Steel Beam Plow; is made with a soft center steel mould-board with cast landside and share. This plow is also made with a chilled mould-board.

No. H24 and No. 240 Plow. Steel Beam. Right hand ONLY.

Capacity.	Weight.	List.	Extra Point.
6 or 7 x 13 to 15.		\$	\$



No 24

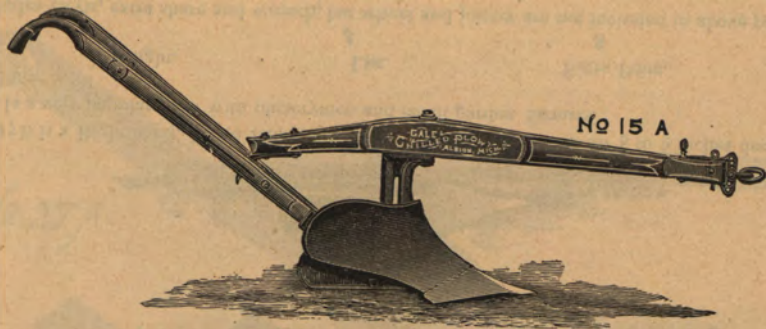
The above cut shows our No. 24 Iron Beam Plow. This is an extraordinarily popular plow among farmers who are breaking new timber land because of the unusual throat and the great strength combined with the lightness of draft. It is made with soft center syndicate steel mould-board, cast share and landside. We also furnish with a chilled mould-board. It is the best general purpose two-horse iron beam plow in the market. Capacity 6 to 7 inches deep and 13 to 15 inches wide. No. 24 Iron Beam. Right-hand ONLY.

Weight. List. Extra Point.
Same plow, chilled mould, List \$

OUR CHILLED GOODS.

Our Chilled Plows are all made by our own devised process, and are not only as hard as chilled iron can possibly be made, but are also made very tough so as to prevent breakage. We use nothing but the toughest grades of car-wheel iron in the manufacture of our chilled goods, and this is the simple reason why our Chilled Plows last so much longer and do not break so easily as many others. It is a well-known fact that the breakage account on our chilled goods is less than half of what it is on the average chilled plow sold, and while the cost to us in the first place is more than it would be if we used a cheaper grade of iron, at the same time, after thirty-five years of experience we have learned that it is by far the cheapest in the end, that we save the worry, trouble and temper that is caused to the dealer by dissatisfied farmers when they buy plows made of cheaper grades of iron than ours. In this connection it might be said that it is always by far, the very best, and in fact the only safe way, to get duplicate parts direct from us. We have the original patterns of castings that are furnished by us and are always sure to fit accurately, and the nature of the irons that we use are such that unless the manufacturer of so called spurious parts used the same mixture, the shrinkage of the iron would be more or less and therefore the part cannot possibly fit. The reputation of our Plows and the satisfactory workings of them is a matter that is of great importance to us, and something that we are deeply concerned in; whereas, the manufacturer of spurious or snide parts has no interest at stake. Farmers will do well to guard against being imposed upon by dealers who furnish spurious parts for our Plows. Be sure to see that our own registered trade mark is on all castings. It is conceded even by our competitors that our chilled goods are the finest finished in the world.

Our Jointers are something that most farmers know but very little or nothing about, and they are so desirable that they would be used much more extensively if the good work that they can do and do do was better known. We make them with both soft patent steel center and chilled iron. The Standard Jointer, our own patent, protected to us by a degree of the U. S. Court, is really a wonderful improvement and attachment for the plow. We have never known one to displease a farmer who would attach it to his plow. The great point is that the plow cannot become clogged with it, and the improvement that we have made in it recently enables us to give you one that you can adjust both up and down and sideways.



The No. 15A is a Right-hand Wood Beam Three-horse Chilled Plow. Especially for heavy work. Will turn a furrow 6 to 9 inches deep and from 14 to 18 inches wide, and is acknowledged to be the greatest three-horse plow on earth.

No. 15A Plow.

Weight.

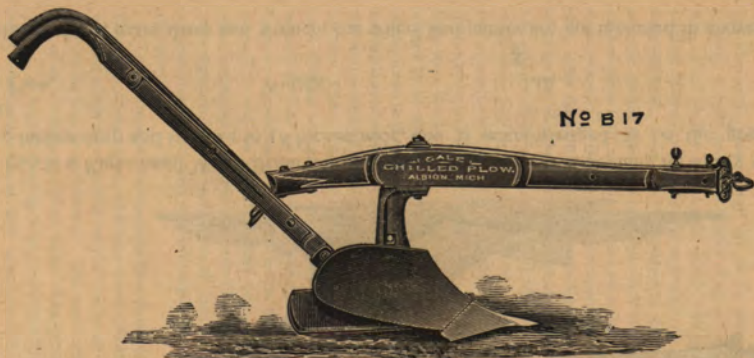
List.

Extra Point.

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



The No. 17B is a Right-hand, Wood Beam, One-horse Plow. Turns a furrow 5 to 6 inches deep by 10 to 12 inches wide. Is a very popular plow with nurserymen and small garden farmers.

No. 17B Plow.

Weight.

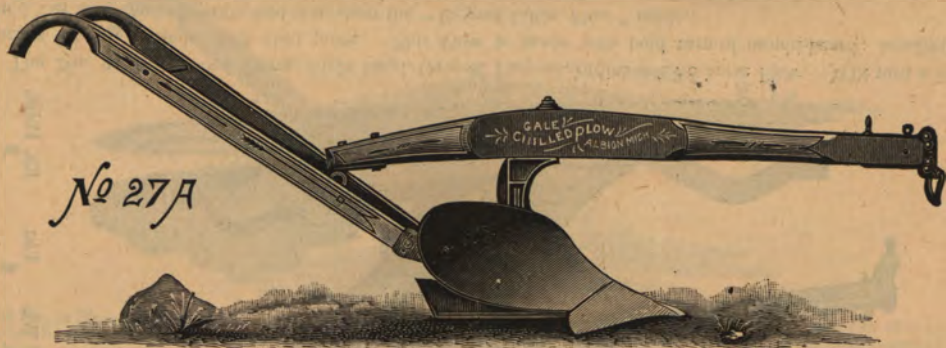
List.

Extra Point.

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.

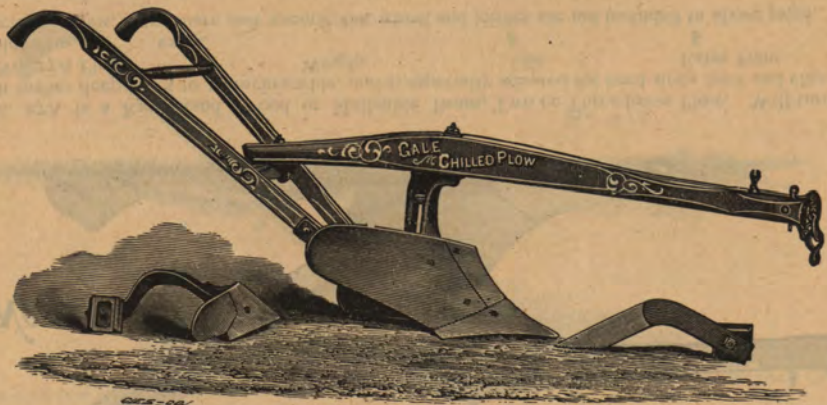


No 27A

The No. 27A is a Right-hand, Wood or Malleable Beam, Two or Three-horse Plow. Will turn a furrow seven to eight inches deep by 15 to 16 inches wide, and is especially adapted for hard stony land and clay.

No. 27A Plow.	Weight.	List.	Extra Point.
Malleable beam, \$	extra.	\$	\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



The No. 31 is a Wood Beam, Right hand, General Purpose, ordinary Two-horse Plow. Will turn a furrow 7 inches by 14. Made with shin piece. This Plow is made with bold turn of mould-board; handles "old ground" or ashy land elegantly and is in short the "Biggest Little Plow" made.

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.

No. 31 Plow. Wt. \$ List. Ex. Point \$



The No. 32 Plow is a Wood Beam, Right-hand, light Two-horse General Purpose Slanting Landside Plow, with shin piece. Will turn a furrow $6\frac{1}{2}$ inches deep by 13 inches wide. The beam jointer and coulter used on this Plow. Is the most popular California plow.

The No. 37 is a Wood Beam, Right-hand, medium Two-horse Plow with slanting landside. Little larger than No. 32. With shin piece. Will turn a furrow 7 by 14 inches. Beam jointer and coulter used on this Plow.

The No. 34 is a Wood Beam, Right-hand, medium Two or Three-horse General Purpose, Slanting Landside Plow, with shin piece. Will turn a furrow 8 by 16 inches. Beam jointer and coulter used on this Plow.

No. 34 Plow.

Weight.

List.

Extra Point.

No. 32

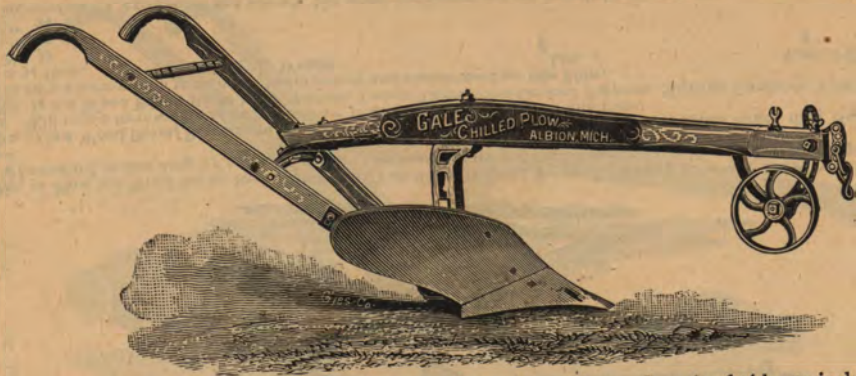
\$

\$

" 37

" 34

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



The No. 20A plow is a Wood Beam, Right-hand, light Two-horse Plow. Capacity $6\frac{1}{2}$ by 13 inches. For a light plow it has no equal. Particularly is this plow popular among market gardeners.

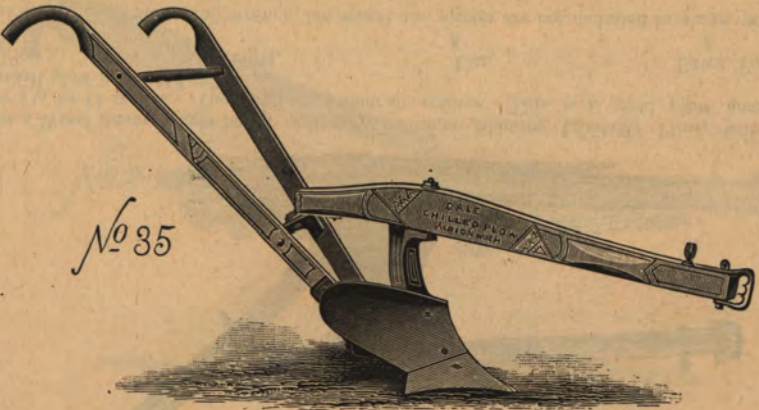
No. 20A plow.

Weight.

List.
\$

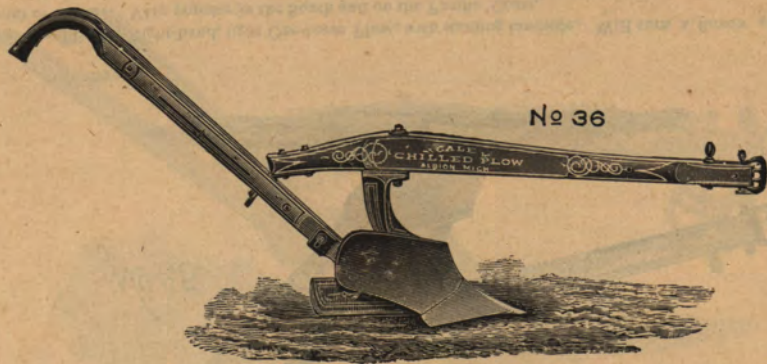
Extra Point.
\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



No. 35 Plow. Weight. List. Extra Point.
 Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.

The No. 35 is a Wood Beam, Right-hand, light One-horse Plow, with slanting landside. Will turn a furrow $4\frac{1}{2}$ by 9 inches. Too small for jointer or coulter. Very popular in the South and on the Pacific Coast.



The No. 36 is a Wood Beam, Right-hand, ordinary One-horse Slanting Landside Plow, with shin piece. Will turn a furrow $5\frac{1}{2}$ by 11 inches. Too small for jointer or coulter. This is a great plow among Southern farmers where a small plow is needed.

No. 36 Plow.

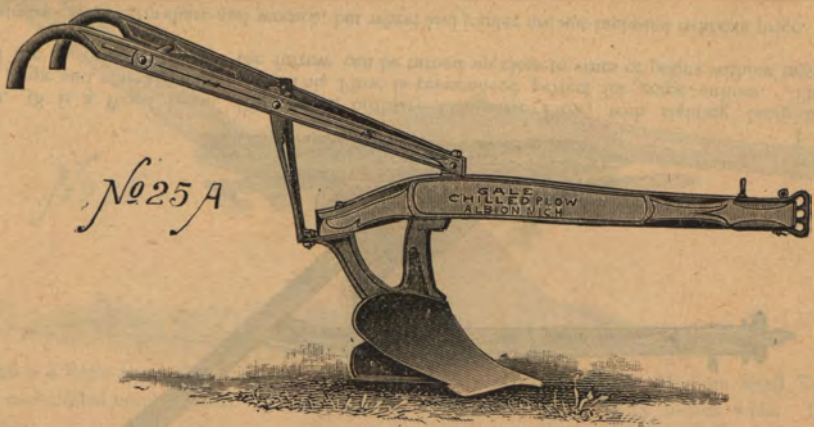
Weight.

List.
\$

Extra Point.
\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.

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The No. 25A is a Wood Beam, Right-hand, light One-horse Plow. Capacity, 5 inches deep by 9 to 10 wide. A general favorite among Southern farmers where small plows are required. Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.

No. 25A Plow. Weight. List. Extra Point.

\$ \$

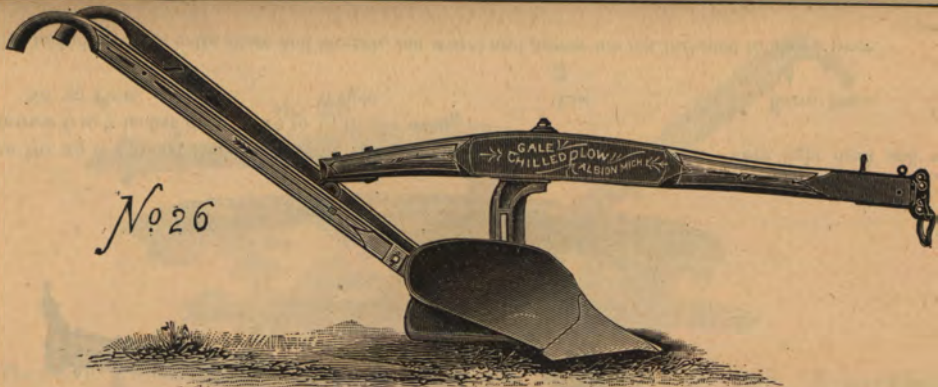
No 38.



The No. 38 is a Wood Beam, Right-hand, ordinary One-horse Plow, with slanting landside. Made especially for grape and vineyard purposes. This Plow is pronounced perfect for grape culture. The handles and standard are so constructed that the furrow can be turned up close to vines or plants without injury to them by horses.

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.

No. 38 Plow. Wt. List. Extra Point.
\$ \$



The No. 26 is a Right-hand, Wood or Malleable Beam, General Purpose Plow. Medium sized Two-horse, with both steel and chilled mould-boards. Capacity 7 to 8 inches deep, by 14 to 15 inches wide. This is a general favorite.

No. 26 Plow.

Weight.

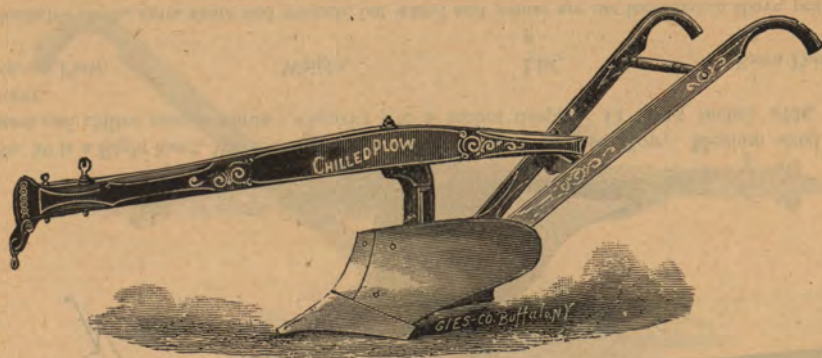
List.

Extra Point.

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



The No. 29 is a Wood Beam, Left-hand, General Purpose Plow for two horses. Very light draft and will turn a furrow 6 to 7 inches deep by 12 to 13 inches wide.

No. 29 Plow.

Weight.

List.
\$

Extra Point.
\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



The No. 30 is a Wood Beam, Left-hand, General Purpose Two or Three-horse Plow. It turns a furrow 6 to 8 inches deep by 14 to 16 inches wide. We make this plow with a shin piece.

No. 30 Plow.

Weight.

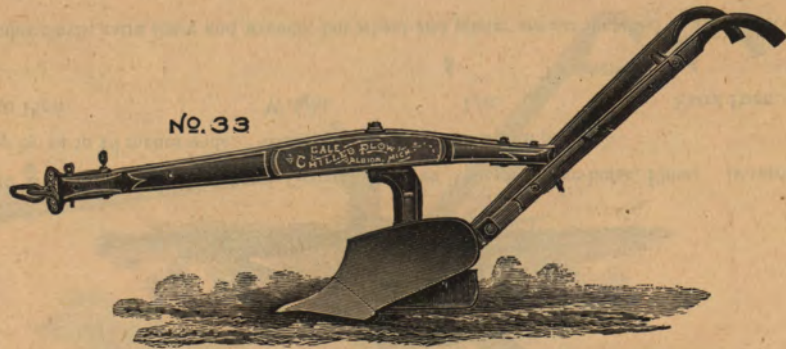
List.

Extra Point.

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



The No. 33 is a Wood Beam, Slanting Landside, Left-hand, General Purpose light Two-horse Plow, with shin piece. Will turn a furrow $6\frac{1}{2}$ by 13 inches. Beam jointer and coulter used on this plow.

No. 33 Plow.

Weight.

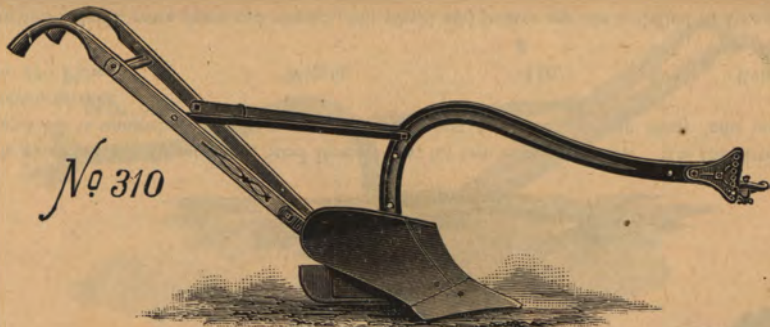
List.

Extra Point.

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



No 310

The No. 310 Plow is a Right-hand, Chilled, Steel Beam Plow. While it possesses all the virtues of the No. 31, it is made somewhat lighter and therefore handles the lightest kind of "old ground" and ashy land in the most successful manner. Farmers will realize that in light plowing under unfavorable circumstances, it is difficult to find a plow to scour. The No. 310 meets the requirements in this direction, perfectly.

No. 310 Plow.

Weight.

List.

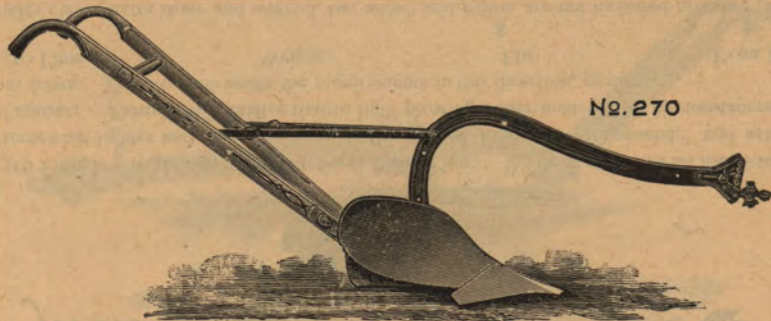
Extra Point.

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.

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No. 270

The No. 270 Plow is a Right-hand, Steel Beam Plow, for two or three horses. Has the virtues and capacity of the No. 27A but is somewhat lighter in weight though just as strong, and in stony land or heavy clay this Plow is a known favorite.

No. 270 Plow.

Weight.

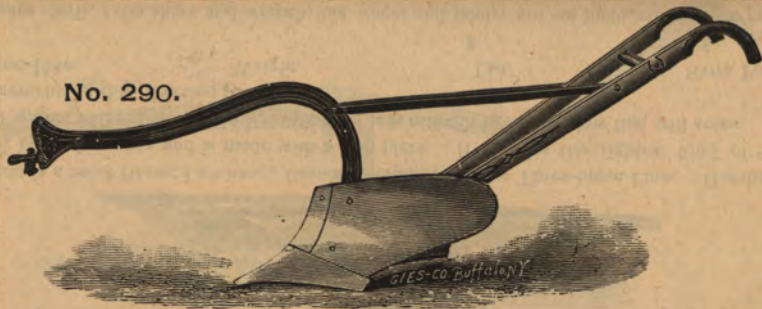
List.

Extra Point

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



The No. 290 Plow is a Steel Beam, Left-hand General Purpose Plow, for two horses. Turns a furrow 7 inches deep and 13 inches wide.

No. 290 Plow.

Weight.

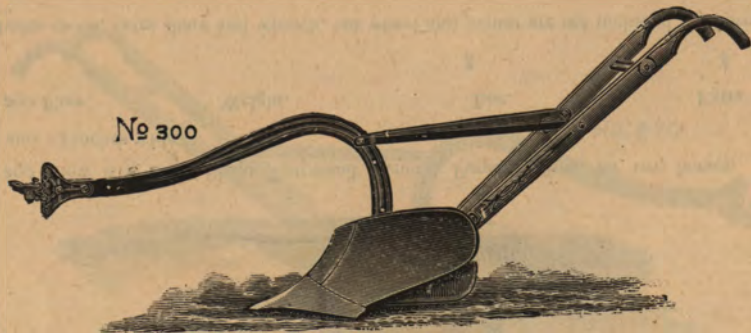
List.

Extra Point.

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



The No. 300 is a Steel Beam, Left-hand, General Purpose, Two or Three-horse Plow. Handles a furrow 8 inches deep and 15 inches wide and is made with a shin piece. It handles the lightest kind of "old ground" successfully. Farmers will realize that in light plowing it is difficult to find a plow that will scour. The No. 300 meets the requirements in this direction perfectly.

No. 300 Plow.

Weight.

List.

Extra Point.

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



The No. 70 Plow is a Wood Beam Three-horse Plow, Left-hand. Made on purpose for heavy work. Capacity, size of furrow, 9 inches deep and 18 inches wide.

No. 70 Plow.

Weight.

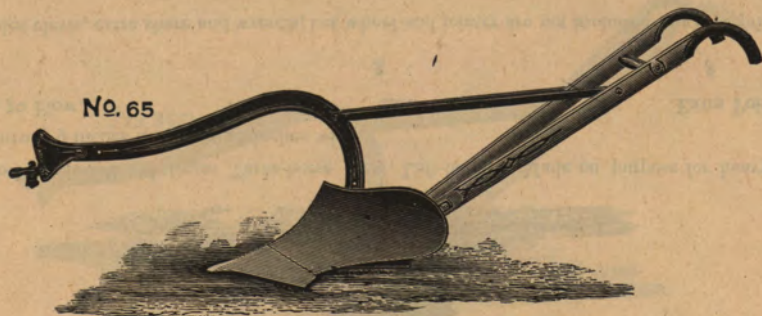
List.

Extra Point.

\$

\$

Price includes clevis, extra share and wrench, but wheel and jointer are not included in above price.



No. 65

The No. 65 Plow is a Left-hand, Steel Beam, Three-horse Plow, made purposely for extra heavy work. It is exactly the same plow in left-hand that the 15A is in right-hand which is the greatest and most popular Three-horse Chilled Plow in the world. The 15A Plow was never known to fail to satisfy the most critical farmer, and works perfectly under any condition of soil in which a Chilled Plow can be used, and the great demand and success of the 15A Plow forced us into building the No. 65. It was a new plow last year but it has fast sprung into popularity, and the future for it will be in left-hand country, the same as the 15A stands in sections where right-hand plows are used, only.

No. 65 Plow.

Weight.

List.
\$Extra Point.
\$

DESCRIPTION OF

THE "BIG INJUN."

For a number of years prior to 1887 we had been asked by hundreds of inventors to build sulky plows, but we positively would have nothing to do with them. We saw at a glance that while the trade drifted toward the three-wheel plow, at the same time, none of the styles presented had the advantages and virtues which we recognized must belong to the plow in order that it might attain success.

The great number of parts employed in the construction was one of the serious objections to the many different styles presented, and the other, the most serious one, was, that they all were handled in such a way that it required unusual strength to operate one in the field. We appreciated the necessity of having a plow which would pivot or hinge from the front end of the beam instead of the rear of the landside, for obvious reasons, particularly to enable the operator to adjust his plow to any particular depth that he might desire to plow, quickly, and also to enable the operator to get over an obstruction without losing any of his furrow. It also enables the operator to lift his plow out from under any obstruction and out of the ground as easily as it can on a barn floor. In making the plow pivoted in this way, we handle it exactly the same as a walking plow. Moreover, the strain in making square corners is such that unless the plow was pivoted from the front end of the beam it would soon get out of line, so to speak, and become worthless. The necessity of overcoming the objections alluded to were the principal reasons that led us to building the Big Injun plow. It is built on a different principle, with less parts, and is therefore stronger and at the same time lighter in weight than any three-wheel sulky plow on earth. It handles the easiest and is the least apt to get out of repair. It is

GALE MANUFACTURING CO.

made of Swede's iron, malleable iron and cold rolled steel. It has steel wheels and our own patent automatic trip, a device which enables the most inexperienced person who can drive a horse to handle the plow successfully. The swing of the pole either to the right or left unlocks the rear furrow wheel, and the plow may be made to turn perfectly at the corner, and when the horses are straightened ahead the wheel comes into place and locks itself, making it rigid until unlocked by the swing of the pole either one way or the other. The plow bottom is fastened to a cold-rolled hammered steel beam pivoted to the front of the frame, and in this is one of the greatest points in favor of our sulky; namely, that our plow is always in line. The plow is made with a pole for the very same reason that a pole is put on a cultivator, or wagon or drill, or anything else that is expected to be run steady and accurately.

We also furnish the plow with triple-trees of our own make that are very evenly balanced, and you will find that the plow handles better than it would with ordinary triple-trees that you are likely to procure elsewhere. We make both right and left-hand stubble, and turf and stubble steel bottoms for this plow, and right-hand only, Texas black land series of bottoms. All the foregoing are made of hardened soft center syndicate steel, patented, and the best quality of steel manufactured; also with hardened steel landside. We make also right and left-hand chilled general purpose and stubble bottoms for the plow.

The sulky plow is made so that when the plow sets level, the rear of the landside should be one inch or an inch and a quarter from the bottom of the furrow. It is made this way purposely to take off the friction from the bottom of the landside. The plow is very evenly balanced on all three wheels which makes it of necessity very light draft, and to any one desiring a strictly first-class plow, the Big Injun cannot help but please.

"BIG INJUN" COMBINATION.

STYLES RIGHT OR LEFT-HAND.

- B 2, Steel Mbd. and Landside, Cast Share. . . . \$
B 4, Steel Mbd. and Landside, Cast Share

Above prices include Pole, Triple-trees, Neck Yoke, Jointer and extra Cast Share.

STEEL "BIG INJUN" SULKY FLOW.

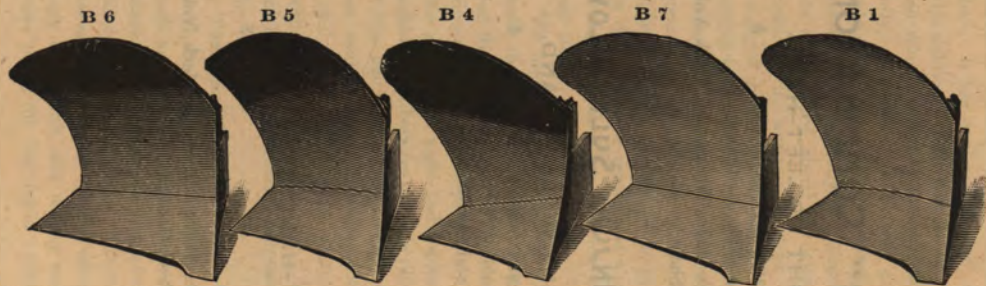
STYLES RIGHT OR LEFT-HAND.

- B 1-14 in G. P., Turf and Stubble \$
B 1-15 in G. P., Turf and Stubble
B 7-16 in G. P., Turf and Stubble
B 8-16 in Stubble
B 5 14 in Stubble
B 6-16 in Stubble
B 2, General Purpose
B 4, General Purpose

RIGHT-HAND ONLY.

- Lone Star 8 in Texas \$
Lone Star 10 in Texas

Above price includes Pole, Triple-trees, Neck Yoke, Rolling Coulter and Weed Hook.



RIGHT-HAND STEEL BOTTOMS FOR "BIG INJUN" SULKY PLOW.



No T. 12.



No B. 8.

Nº B 8.



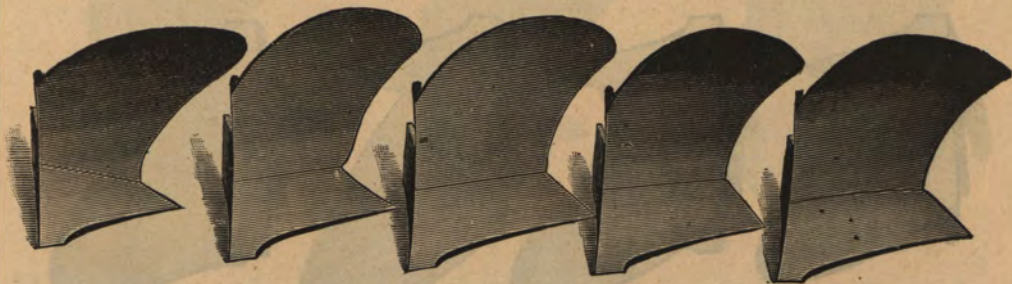
B 4

B 1

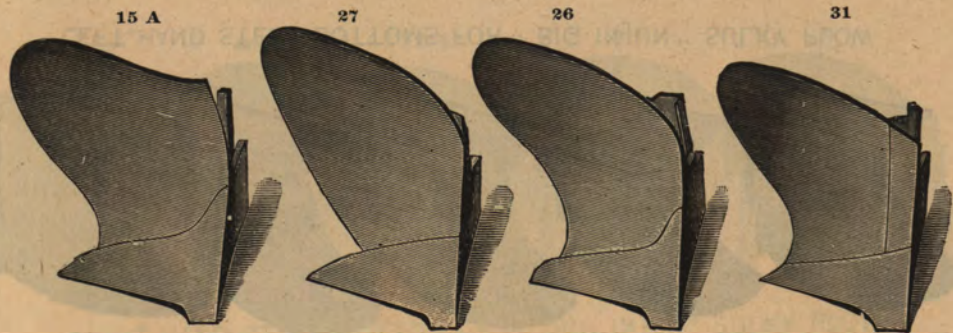
B 7

B 5

B 6



LEFT-HAND STEEL BOTTOMS FOR " BIG INJUN " SULKY PLOW.



RIGHT-HAND CHILLED BOTTOMS FOR "BIG INJUN" SULKY PLOW.

PRICES FOR "BIG INJUN" SULKY PLOW—CHILLED BOTTOM.

15 A, Chilled, Right \$

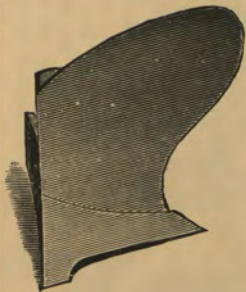
27 A, Chilled, Right

26, Chilled, Right \$

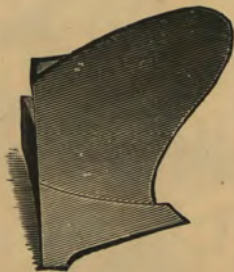
31, Chilled, Right

Above prices include pole, triple-trees, neck yoke, jointer and one extra share.

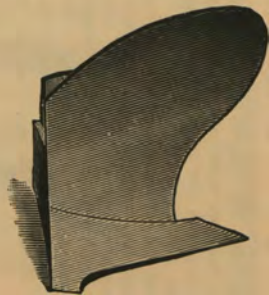
30



29



60



LEFT-HAND CHILLED BOTTOMS FOR "BIG INJUN" SULKY PLOW.

29, Chilled, Left \$

30, Chilled, Left \$

60, Chilled, Left \$

INSTRUCTIONS

For Adjusting the Big Injun Sulky.

By using two horses, bolt tongue plate with figure 2 uppermost; move the plate to the left until the right edge of the plate is even with the right edge of tongue; slip the tongue in the center of the upright arm. With a 14-inch plow, work the furrow wheel with the axle projecting out through the casting about two inches. For a 16-inch plow, have axle even with the end of the casting. The right hand or plow lever should be worked in the third notch of quadrant with a 15 A bottom, a B1 bottom, B6 or B7 bottom, but for a B8 bottom it should be worked in the 2d notch. Please bear in mind that the left hand lever is the one that puts the plow into the ground and the right hand or plow lever is merely to gauge the depth of the plowing.

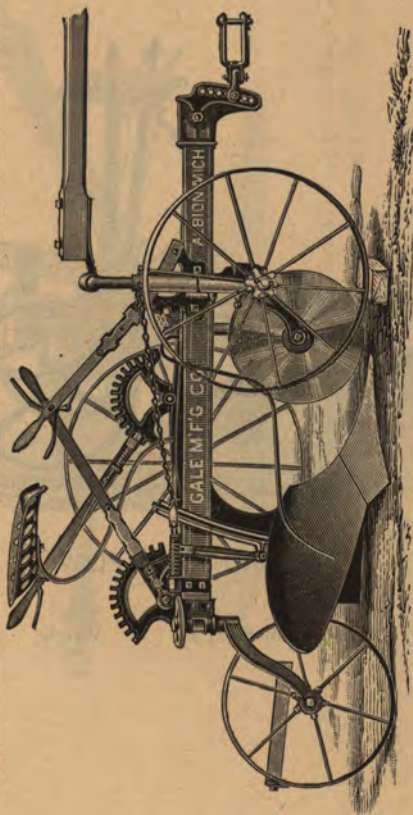
In opening a furrow, lift the front furrow wheel lever up to the middle notch, provided you wish to open a furrow to the depth of six inches. Should you wish to go deeper, raise the lever to the top notch. The left lever or land wheel lever should be used from the 7th to to the 10th notch plowing from 6 to 10 inches deep.

To use three horses on the Sulky Plow, place the tongue plate with the figure 3 uppermost; move it as far to the right as possible on the upright arm; in fact, have it come close up to the bend; bolt the tongue in center of the plate, place the neckyoke in the third hole from the end of the tongue for an ordinary sized team; let your tugs out at least two holes more than you would use them on a wagon; always use the clevis pin in the 7th hole from the left of plowed side of the ground. In case the plow takes too much land, loosen up the tongue bolts and pull the front furrow wheel backwards causing the point of the tongue to go to the left; by so doing you will take less land. In case the plow does not take land enough, move the tongue to the right and pull the furrow wheel forward. In turning a square corner it is well enough to lift the front furrow wheel lever up to the center notch so as to keep the ends of the furrow the same depth as those in the center of the field. The rear caster wheel should be run perfectly parallel with the landside of the plow. In using a left hand Sulky you will bear in mind that all these changes are to be made in the opposite direction from those prescribed in the use of the right hand Sulky. We believe by following these directions you will have no trouble in operating the Sulky.

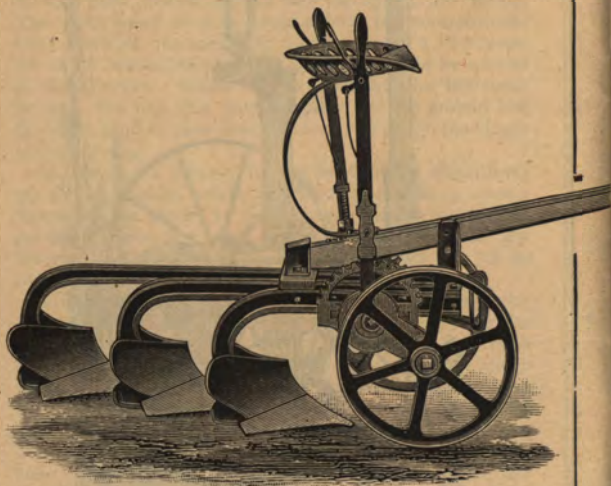
ALBION, MICHIGAN, U. S. A.

"BIG INJUN."

SHOWING NEW LEVER.



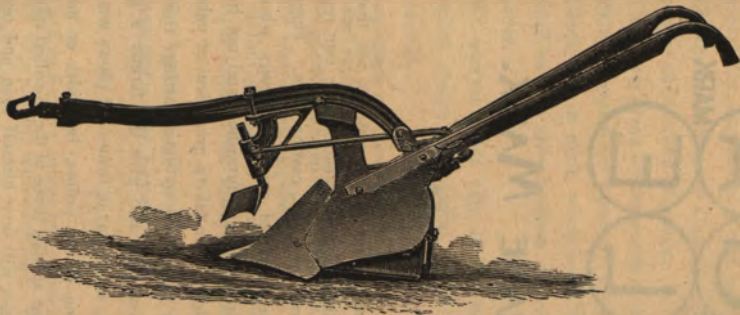
GALE MANUFACTURING CO.



VINEYARD GANG PLOW.

List, with Seat, \$

Weight.



This cut shows our Hill-side Plow which is made with a steel beam and practically adjusts itself. By a very simple adjustment this plow can be so arranged as to take land on the steepest hills. The principle upon which it is constructed is so that it does strictly first-class work in level ground.

It is the lightest, strongest, and most desirable Hill-side Plow in the world.



TRADE MARK.

• •

In order to insure perfect fitting castings, see that all cast shares, mouldboards and landsides have our regular registered trade mark, as above, cast on them. There are numerous manufacturers of spurious repairs who are simply interested in the casting furnished, and not in the workings of the plow. We take a great deal of pains in the mixture of our iron so as to have castings that not only fit perfectly but that also give the farmer a good, serviceable article, as well as to insure the plows working perfectly. Any one of our points, landsides or mouldboards will outwear at least three of the so-called spurious parts, and the farmer will save himself time and temper, as well as having a perfect running plow, if he will use only repairs bearing our regularly registered trade mark.

GALE MANUFACTURING CO.

RULES OF BUSINESS.

All contracts made with fairness and liberality, and held to be strictly binding on both parties when made.

A clear Shipping Receipt for goods relieves us of all responsibility, and places it with carriers.

Claims for Shortage or Damage must be made within *five days* after receipt of goods.

The prices given are for goods in store. Drayage, and Racking of cars when necessary, always charged.

Goods not in stock when order is received will be shipped on their arrival, unless we are otherwise directed in order.

We warrant goods only against breakage caused by *manifest defects* in material, unless by special written agreement.

Insurance on goods shipped by river will be charged at usual rates.

No goods furnished on commission.

We warrant all Implements to do "good work" for which they are adapted; but never send "goods on trial."

Right-hand Plows always sent, unless otherwise ordered.

No Plows to be returned to us or to any of our branches without our written consent.

TERMS.

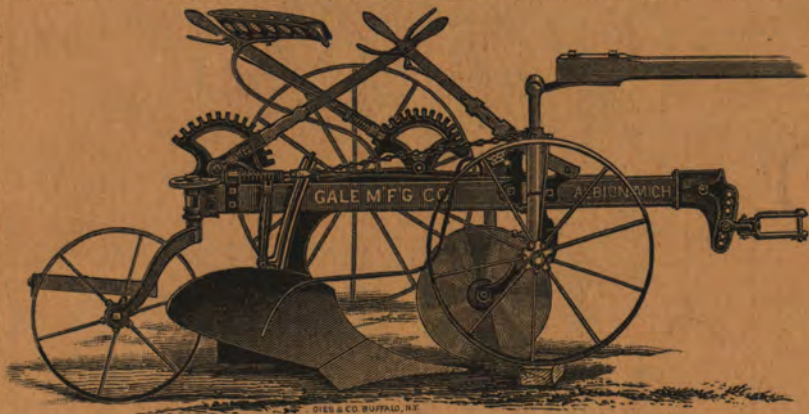
Cash with order, unless by special agreement.

All bills payable with exchange. Express remittances must be prepaid.

Notes required in settlement for all *time sales*.

All past-due Notes and Accounts subject to interest from maturity, at highest legal rates.

UNIMODER



DIES & CO. BUFFALO, N.Y.