



GOLD MEDAL

PARIS

1878

PARIS

1880

GALT MANTEO CO.

ALBION MICH.

EUROPA

AMERICA



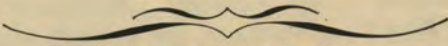
1880.
CIRCULAR.

DESCRIPTION of the TOOLS MADE by The

GALE
Manufacturing Co.

—OF—

ALBION, MICHIGAN.



J. H. WARNER, 119 Fulton St., N Y.

PROMINENT among the Tools manufactured by this company, and that will be offered for sale, for the trade of 1880, is the

“GALE SULKEY RAKE.”



We claim for this Rake that it is the best in every respect that is made in the United States. The Teeth are specially made for us by the most reliable Rake Teeth manufacturers in the country. The Timber used is carefully selected from seasoned lots, of which we keep on hand large quantities. The Castings are of Malleable Iron, and when we assert that less than \$10 will make good our Rake breakage bill for the year 1879, should be sufficient guarantee of their durability. It is both Foot and Lock Lever combined, and we doubt if any other can successfully compete with it in ease of handling. As we spare no pains or expense in their finish, they are as pleasing in appear-

ance as durable in use. It received MARKED ATTENTION from the Jury of Awards at the Centennial Exhibition at Philadelphia, and awarded a "Grand Medal of Honor" and a Diploma. We shall limit the number to be manufactured for the 1880 trade, to not exceed Five Thousand, and would warn every Farmer in want of one to make an early application for the same.

P L O W S .

The immense success that has crowned the efforts of this Company to gratify the Farmers of the country at large, leads to the belief that our claims to superiority in our Plows are well founded. Notwithstanding the increased competition in the trade, our works are taxed to their utmost to supply the demand.

An application for prices and terms will be promptly attended to, and customers can rely on receiving the very best prices compatible with the market rates, for material and labor.

The different sizes and styles to be offered for the trade of 1880, are as follows :

The numbers given to each Plow are indicative ONLY of the order in which they were issued, and have no reference to their capacity.

The No. 15 is a Right-hand Wood Beam Plow, and is for three horses. The Plow was

made especially for heavy work, and in splendid shape turns a furrow 8 inches in depth, and 17 inches wide.

The No. 16 is a Right-hand Wood Beam Plow, has never disappointed its many admirers. It turns a furrow 7 inches deep by 15 inches wide. We feel safe in asserting that no Plow in the United States has had so popular and extensive a run, and is as favorably known as a "General purpose Plow" as the No. 16.

The No. 17 is a Right-hand Wood Beam, one Horse Plow, turns a furrow 5 inches deep and 12 inches wide. This Plow is commended to Nurserymen and for small farms and garden purposes.

The No. 18 is a Right-hand Wood Beam Plow, lighter than the No. 16, but with equal capacity, and turns nicely a furrow of 7 inches in depth and 15 inches in width.

The No. 19 is a Left-hand Wood Beam Plow, of corresponding size and capacity with the No. 18, and to those who want a handy Left-hand two Horse Plow, we would say, buy the No. 19.

The No. 20 is a Right-hand Wood Beam Plow, a size smaller than the No. 18, and is one of the most popular Plows ever introduced

to the American Farmer, it turns readily a furrow of $6\frac{1}{2}$ inches deep by 13 inches wide.

The No. 21 is a Left-hand Wood Beam light two Horse Plow, of same capacity as the No. 20, and designed for the same kind of work.

The No. 22 is a Right-hand Wood Beam two or three Horse Plow. It is a trifle larger than the No. 16, is double braced, is the choice Plow for loose and gravelly soil.

The No. 23 is a Left-hand Wood Beam two or three Horse Plow, same size and capable of doing like work as the No. 22.

The Mold Boards and the wearing parts of all the above numbered Plows are made of *Chilled Iron*, which material we deem it unnecessary to give an explanation of, as repeated tests have demonstrated to the satisfaction of all, that its *great strength* and susceptibility to a fine polish, gives it great advantage over all other materials in any kind of soil.

New Style HANDLES and BEAMS for Wood Beam Plows.

We desire to call attention to our style of attaching Handles and Beams, entirely different from any other in use, and one to be commend-

ed for their *ease in adjustment*. The Handles especially because they *can be raised in a minute's time to suit the height of either man or boy*.



ATTACHMENTS.

The *Wheel Rig* for Wood Beam Plows is so constructed that the *Wheel runs directly under the beam*, and may be adjusted so as to track with the Plow whether the beam is set for two or three horses, simply *by moving the axle backward or forward in a slot in the lower part of the shackle*. The axle and bearing of the *wheels are chilled iron* and protected against grit by a cap over each end.

The *Coulter, or Sod Knife*, is made of solid roll steel from the knee downward and is firmly attached (by a patent device) to the standard of the Plow, a method in every way superior to the old one of attaching to the beam, and especially so in the case of adjustable beam Plows, which change the position of the coulter with every adjustment.

PATENT JOINTER.

We wish to call especial attention to our PATENT JOINTER. The office of this attachment is to turn off from the edge of the furrow a narrow slice of the surface and with it the grass, weeds, stubble or manure thereon, so that when the furrow is inverted the *lap* is entirely of mellow earth with the trash in the bottom of the furrow and completely covered. It adds but little more to the draft than when a sharp steel coulter is used, and the seed bed can be prepared with about half the cost. It is an implement which, after once using, is considered indispensable and is almost universally used in many localities. *Our patent method of attaching to the standard*, instead of the beam of the plow, has advantages which are at once important and obvious. It only requires adjusting to the proper depth, which is done by means of slots, and requires no "togglings" to make it cut the right width, and it is not affected by adjusting the beam for two or three horses. It is not liable to clog, there being a free passage between it and the beam, for large obstructions to pass. In turning under coarse clover, manure, &c., it has proved itself far superior to all others. *With the Jointer*

properly adjusted, and cutting about 1½ inches in depth," its utility is seen at once, and with it the plow is very much less liable to clog than with any other attachment.

Directions for Wood Beam.

FOR RIGHT-HAND PLOWS:

To use the Plow with *two* horses loosen the bolts through the beam, and set the back end of the beam nearly even with the left side of the top of the rear standard; set the wheel so as to run straight with landside of the Plow, by moving it backward or forward in the slot in the bottom of the shackle; set the jointer at the proper depth by moving it up or down on the main standard. If the Plow cuts too wide or too narrow, a slight change to the right or left of the back end of the beam will adjust it. For *three* horses move the back end of the beam toward the right side of the top of the standard, and adjust wheel as above; and in all cases keep the width of furrow as near *double* the *depth* as possible.

Keep all the nuts tight.

FOR LEFT-HAND PLOWS:

Reverse above directions.

Rod Beam Chilled Plows.

Ever aiming to be ahead of our competitors and yet be entirely practicable, we have again put ourselves in position to offer the public what may be safely termed, *perfection* in the

article of Plows. The idea of its construction had hardly emanated from the brain of its inventor, and been formed into shape by the Pattern Maker, almost untried and untested at home, when it entered the lists in the *greatest Field Trial of Plows* ever had on French soil, in connection with the World's Exposition in 1878, when it contended with 187 other Plows, and was Awarded a "GOLD MEDAL" and a *Diploma*, reciting the merits that caused so great a distinction to be bestowed upon it. Since then it has been *greatly improved*, and is bound to work itself into the good graces of every practicable farmer in the country.

The following is a description of what we call our "A," or Rod Beam Plows.

The "A 2" is a light two horse Right-hand Plow, turns a furrow $6\frac{1}{2}$ inches deep by 14 inches wide.

The "A 1" is a light two horse Left-hand Plow, capable of same amount of work as the "A 2" Plow.

The "A 4" is a two or three horse Right-hand Plow, and will cut a furrow 8 inches deep by 17 inches in width.

The "A 3" is a two or three horse Left-hand Plow, with capacity like the "A 4."

The "A 6" is a two horse Plow, made more particularly for prairie soils, and is highly commended by the farmers of the West, into whose hands they have fallen. The capacity of the Plow is for a furrow 7 inches deep by 15 inches wide.



Directions for Setting "A" Series or Rod Beam Plows.

To give the Plow more pitch run the nuts down on the rods on the front side of the balls at the top of the main standard, following up with the back ones ; this raises the front end of the beam, and gives the plow more pitch. To give it less pitch, reverse the above directions ; this will lower the end of the beam, and take the pitch out of the Plow.

Directions for Taking More or Less Land.

To give the Right-hand Plow more land, run the front nut down on right hand rod, running back nut back on left-hand rod, tighten

nut on right-hand rod, then tighten front nut on left-hand rod; this will throw the beam to the right and give the Plow more land. To give it less land, do the same to the left-hand rod. *For giving left-hand Plows more or less land, reverse the above directions.* In putting the plows together, leave the handle brace loose until after attaching the handles to the brace at the slot, then tighten bolt at lower end of handle brace.

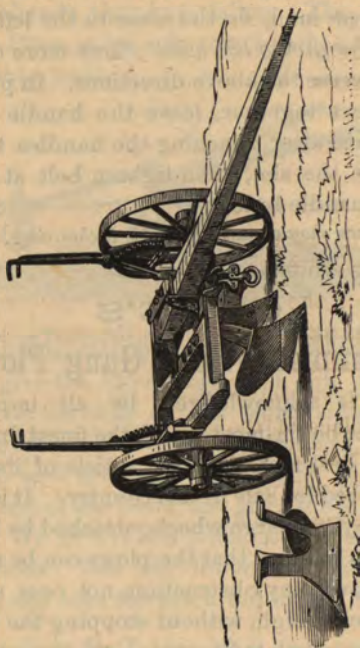
Jointers should run about $1\frac{1}{2}$ inches deep.



GALE'S

Champion Wheel Gang Plow.

This is acknowledged, by all impartial judges, to be the most useful, the finest finished and the best manufactured article of its kind ever offered for sale in this country. It is supported by two large wheels, attached by levers in such a manner that the plows can be raised to pass over any obstruction, not over six or eight inches high, without stopping the team, or can be regulated to run in the ground any depth required. They are made to be used with chilled iron mold boards and chilled points, and when any of the parts become



GALE'S CHAMPION WHEEL GANG PLOW.

worn or broken, they can be replaced at a trifling expense, making them as good as new. They are made very strong and durable.

Some of the advantages over the common Gangs are as follows : They are controlled by the tongues, which makes them run more steady and hold the full width of the furrow, enabling them to do nearly twice the work of the common gang without a tongue. They will also hold to the ground and not slide over hard places in the soil, as most others do. The whiffletrees are attached below the tongue, on the frame, in such a manner that it relieves all pressure from the horses' necks.

This Gang Plow has given entire satisfaction wherever introduced, and is rapidly taking the place of the Wheel Cultivator, being much better for pulverizing the soil than any implement manufactured. The draft is very light and easy for a single team.

☞ NOTICE.

All purchasers should be particular to select the proper size, and then, if the plow is properly adjusted according to directions, and worked in accordance with its indicated capacity, it will not fail to give satisfaction.

We make both pitch and flat Points for all of our Plows. Use pitch points for dry, hard plowing. All Points are nicely polished for the 1880 trade.

INSTRUCTIONS

Concerning Handles and Braces.

No.	16 Handles,	fit 16, 15 and 22 Plows.	
" 18	"	" 18 and 20	"
" 19	"	" 19 and 23	"
" 21	"	" 21	"
" A 1	"	" A 1	"
" A 2	"	" A 2	"
" A 3	"	" A 3	"
" A 4	"	" A 4	"
16	"	brace fit 15, 16 and 22 Plows.	
19	"	" 19, 21 and 23	"
18	"	" 18 and 20	"
A 1	"	" A 1 and A 3	"
A 2	"	" A 2 and A 4	"
" 16 beams		" 15, 16 and 22	"
" 23	"	" 23	"
" 18	"	" 18 and 19	"
" 20	"	" 20 and 21	"
A 1	"	" A 2, 3, 4 and 6	"

Notices to Farmers.

If there is no Agent for the **Gale Tools** in your locality, send in to the Factory for terms and prices.

This design represents our Patent Trade Mark.



Which from this date will appear on our Plow Castings. Small shops all over the country are making and vending what they claim are the Gale Points. We counsel all on buying points, to look for the "Trade Mark," and if you don't find it on any of the pieces offered for sale, you may conclude that it is a fraud.

PREMIUMS.

The Gale Chilled Plows were awarded, by the Michigan State Fair in the year 1875 and 1876-7-8-9, the following Premiums, viz:

1878, Finest and Largest Display,	{ 1st Premium \$75.00
1875. For Finest Display of Plows,	{ 1st Premium \$ 75.00
1876-7, For Finest Display of Plows,	{ 1st Premium \$50.00
1876-7, For Attachment for covering grass or long manure.	{ 1st Premium
1876-7, For Plow for General use,	{ 1st Pre. Dip and \$10.
1876-7, For Plow for plowing Marsh land.	{ 1st Premium Silver Medal

- | | |
|--|--------------------------------|
| 1876-7, For one Horse Plow, | { 1st Premium
Diploma. |
| 1875, For <i>Superior Quality</i> Chilled
Iron for Plow Castings. | { 1st Premium
Silver Medal. |
| 1876-7, For <i>Superior Quality</i> Chilled
Iron for Plow Castings. | { 1st Premium |

*At the Western New York State Fair at
Rochester :*

- | | |
|---|--------------------------------|
| 1876, Largest and Finest Display
of Chilled Plows, | { 1st Premium
Silver Medal. |
| 1875, Largest and Finest Display
of Chilled Plows. | { 1st Premium
Silver Medal. |
| 1879, Certificate of Highest Merit—State Fair, N.Y. | |
| 1879, 1st Premium—Sweep-stakes— | “ “ Mich. |
| 1879, Best General Purpose Plow— | “ “ “ |
| 1879, 1st Premium for Jointer Attachment for cover-
ing grass or long manure—State Fair, Mich. | |
| 1879, 1st Premium—Self Clearing | “ “ “ |
| 1879, “ Best Gang Plow, | “ “ “ |
| 1878, Gold Medal, class 76—Plows in Field—
World's Exposition, Paris, France. | |
| 1878, Class 51—Best Chilled Iron Plows—
World's Exposition, Paris, France. | |
| 1879, 1st Premium—Niagara County Fair, N. Y. | |
| “ “ “ Augusta Dist. Fair, Va. | |
| “ “ “ Winchester | “ |

We shall issue at once, to be sent to those who desire them, circulars, giving the record and result of many of the trials our Plows have participated in.

GALE MANUFACTURING CO.

ALBION, MICHIGAN.



GALE RAKE

