

Twenty-Second Edition.

No. 22



Descriptive and Illustrated

CATALOGUE AND PRICE LIST

—OF—

Agricultural Implements,

Manufactured and for Sale by

THE BELCHER & TAYLOR

AGRICULTURAL TOOL CO.

CHICOPEE FALLS, MASS.



No. 22

Established 1839.
Incorporated 1884.

PLOW HANDLES.

For some years past we have been manufacturing for our own use Plow and Cultivator handles, and, at the solicitation of some of the trade, we have for the past fifteen years made handles for the trade. Our handles are made of the best white or yellow oak. As we are in the midst of the best oak region of New England, we are able to get strong, tough timber.

FOUNDRY WORK.

Foundry work, which we formerly solicited, we are still doing to a limited extent for special castings. The greatly increased demand for corn planters, sulky plows, and other implements has required about all the castings our foundry can produce, and, until we enlarge, very little outside work can be done. We shall continue making steel metal sled shoes from patterns furnished.

STEEL GOODS.

Some years since, in order to get a uniform good quality of Steel Goods, we introduced machinery into our works for the manufacture of all kinds of steel teeth and other steel commonly used in Agricultural Goods.

We are now manufacturing, for our own use and for the trade, the best solid steel teeth now used, oval and other reversible points and hilling wings.

We are the sole manufacturers of the Fillebrown Pattern Harrow Tooth used on the Shares Pattern Harrow, and shall be pleased to supply the trade with the same. The above goods are made from the best stock; they are oil tempered, and nicely finished and polished.

Electrotypes of all our Tools, for advertising purposes, free on application, also descriptive circulars with name printed on them, if desired.

4/0 MMD

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ESTABLISHED 1852.

INCORPORATED 1864.

Descriptive and Illustrated

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MANUFACTURED AND SOLD BY

The Beleher & Taylor Agricultural Tool Co.

CHICOPEE FALLS, MASS.

TWENTY-SECOND EDITION.

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1903.

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To Dealers in and Users of Agricultural Implements.

During the past two years our trade has shown a marked increase, and is now larger than at any time since the organization of this Company. We have been adding a quantity of the latest and most improved rapid working machinery adapted for our especial use, and expect to be able to fill all orders with our usual promptness, many of them the day they are received.

Our goods are made from selected stock, and with our improved machinery we expect the quality of our work will be increased.

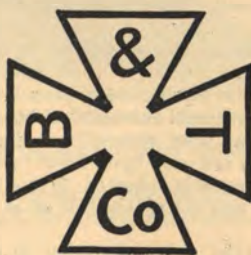
Our line of Gale-Baldwin cutters and carriers introduced a few years since, is meeting with a large sale; they are specially easy running machines, adapted to light power. The Kinney Gravity Feed Ensilage Cutter is also meeting with favor, and is preferred to the complicated self-feeding devices used on some other machines. The well known Baldwin feed cutter still leads all others for hand and light power.

The Stevens Fertilizer Sower also the Drill Sower for horse power and hand machines for lawns, have superseded all other patterns, having a large and increased sale. The large sowers are now in extensive demand for sowing pulverized lime.

The Eclipse Corn Planter purchased by us six years since has proved superior to all others, and since our patent improved marker was added two years since, it has met the approval of all users. The Eclipse and King of the Cornfield planters are the only ones on which our marker as shown on the cuts of these machines can legally be used. The Eclipse two-row two-horse planter as put on the market in the past season, has met with unqualified success, and is pronounced, by both users and dealers, perfect. We are now arranging to manufacture a large number of these planters for next season's trade. The King of the Cornfield planter, formerly made by the Whitman Agricultural Works, has been greatly improved by us since we bought the business. It gives excellent satisfaction, and the sale is increasing. It will sow a greater variety of seeds than any other planter in the market.

The National Reversible Sulky Plow, as perfected by us, now stands at the head for all kinds of plowing. Our line of Walking Plows are now selling in more markets and more extensively than ever before. We furnish our customers with circulars giving accurate description of all of our leading goods.

We here show a cut was duly registered in October 9, 1894, and cast, stamped or other-our tools, and to all parts plows. We find this the dealers and the users many counterfeit parts being made from the only fit poorly so that work, but being made the cause of frequent great lack of durability, thus doing great injury to the good name of our plows.



of our Trade Mark, which the U. S. Patent Office, which will hereafter be wise affixed to most of for the repair of our necessary to protect both of our plows from the now offered, which, not original patterns, not they will not do good from poor materials are complaints from their

All parties will save themselves much trouble in buying goods, if they will buy only of our authorized agents, or send to us direct, and always take note that our Trade Mark is impressed or otherwise attached to our goods, and to all repairs for our plows, without which none are genuine.

All correspondence will be promptly answered.

Address

THE BELCHER & TAYLOR AGRICULTURAL TOOL CO.,

CHICOPEE FALLS, MASS.

NATIONAL REVERSIBLE SULKY PLOW.

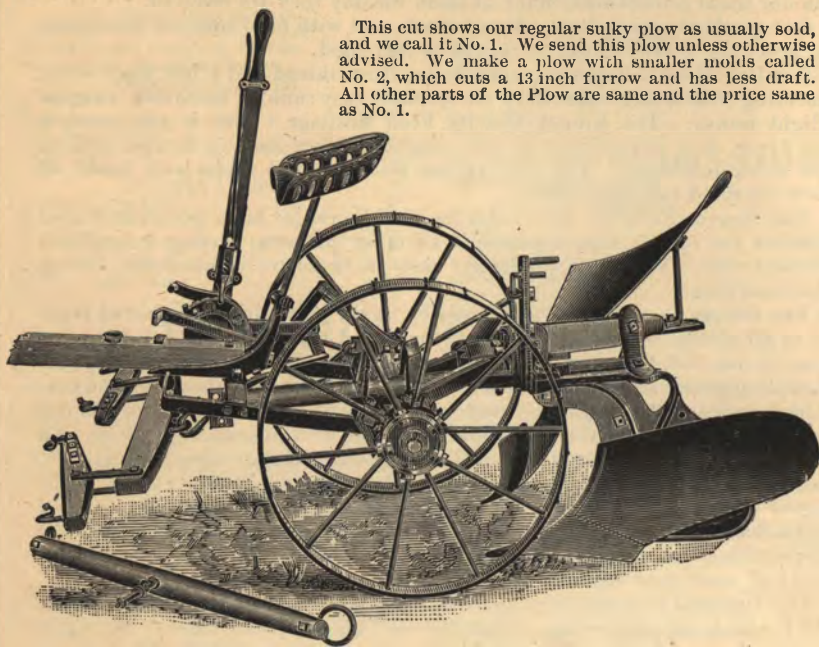
(Strait's Patent.)

The most Wonderful Invention and Improvement of the Age.

Has a rapidly increasing sale, and is considered the only thoroughly practical reversible sulky plow in the market.

Only Needs to be Tested to be Appreciated.

This cut shows our regular sulky plow as usually sold, and we call it No. 1. We send this plow unless otherwise advised. We make a plow with smaller molds called No. 2, which cuts a 13 inch furrow and has less draft. All other parts of the Plow are same and the price same as No. 1.



Thousands of these are in use. It is of light draft, and easily handled by the operator. The only successful sulky plow made that will plow stony, rough, side hill, or level land.

The wheels are now made with heavier spokes. The new trip spring is proving durable.

This plow is not an experiment, having been placed upon the market in 1885, since which time there have been several thousands sold. Unlike all other makes of riding plows, the National has been especially designed to meet the wants of progressive farmers, and succeeds not only upon level farms, leaving them without tracks or dead furrows, but is equally adapted to stony, rough, side hill farms, turning the land with the slope, and not up the hill as is the case with all one-way sulky plows.

We believe the National to be the *only sulky plow* in the world that can justly lay claim to being a success for all kinds of work and in all varieties of soil.

Construction.

As shown in the cut, a Right and Left Steel Flat-land Plow is mounted upon a Steel Beam, one being at right angles with the other, and easily revolved by unlocking a Hand Lever at the rear of the driver, the weight of the upper plow causing the lower to raise. In this way a furrow may be turned either to the right or left, so that the lands are left level without dead furrows. Each plow has an easy adjustment to make it cut a wide or narrow furrow, and is raised out of the ground by a perfect working *Power Lift*, and set in again by a

Foot Lever, so that the operator has both hands with which to manage his team. This operation is so easy that *any boy or girl* that can manage a team can use the plow. With the Adjustable Seat the operator always sits in a level position, and on the uppermost side in plowing steep side hill land, preventing the plow from tipping.

With the Hand Lever, that is turned backward (not shown in cut), the Power Lift can be operated by the driver when walking.

Either plow can be detached from the Sulky, and fitted with beam and handles, thus making *two perfect flat-land plows*. We furnish Beam, Wheel, Clevis, and Handles for \$5.00.

Neck Yoke, Evener, Whiffletrees, which answer for two or three horses abreast, are sent with each plow.

Price, including extra Points, - - - - \$55 00

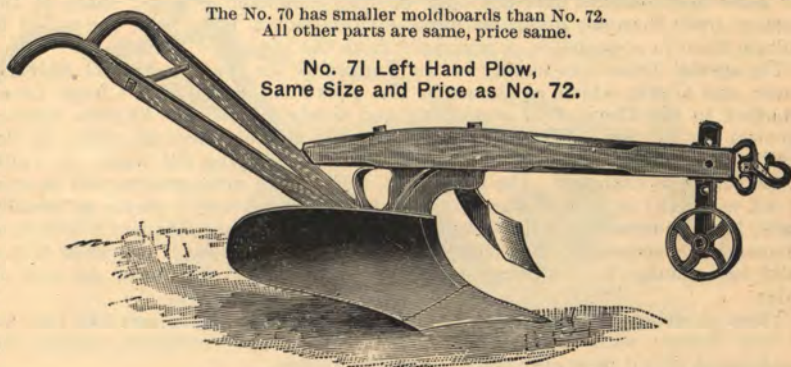
Either Jointers, or Straight or Rolling Coulters are furnished, but, if not otherwise ordered, Jointers will be sent with each plow.

We also furnish Marsh Points or Shares with Steel Wings. Price, each, \$1.50.

Nos. 70 and 72 STEEL FLAT LAND PLOWS.

The No. 70 has smaller moldboards than No. 72.
All other parts are same, price same.

No. 71 Left Hand Plow,
Same Size and Price as No. 72.



General Purpose. Sod and Stubble. For all Soils.

The above cut shows the right hand plow detached from the Sulky, and made into a Walking Plow.

It contains all the late improvements, viz.: Adjustable Beam and Handles, Tempered Steel Mold-board, Reversible Steel Jointer, Rolling Coulter or Straight Blade, etc.

Tempered Steel Mold-boards.

Our Mold-boards are made for us by a special process, and cost much more than those ordinarily used in similar low-priced plows. They are subjected to a hardening equal to flint, and, the face being provided with a mirror-like polish, they are *warranted to scour* in any soil.

In its construction the Landside is made to extend up the entire height of the Mold-board, and forms the thin or cutting edge of the plow, thus giving a new cutting edge at every renewal of the Landside.

The Handles are adjustable, up and down, and so can be quickly changed to suit the height of the user.

Weight, full rigged, 125 pounds.

Prices,	Plain.	With Wheel.	Wheel and Cutter.	Wheel and Jointer.	Wheel and Rolling Coulter.
	\$12.50	\$13.50	\$15.00	\$15.00	\$16.00

THE YANKEE SWIVEL PLOW.

With Patent Steel Shifting Lever and Clevis.

THE LEADING SUCCESS WITH EASTERN TRADE.

In Sizes for One, Two, or Three Horses.

UNEQUALED FOR SIDE HILL OR LEVEL LAND.



No. 3.—WITH HAND LATCH.

This series of plows was brought out by us in the spring of 1885, and so popular have they become, that not only do they command a larger share of the Eastern trade than any other, but rival manufacturers have been compelled to imitate them in appearance, or withdraw from the market.

The special distinctive feature in the Yankee is the Patented Steel Shifting Lever and Clevis, which, as shown in the above cut, consists of a Steel Lever attached to the Clevis, held stationary and firmly in position by iron notches between the handles. When this lever is moved by the plowman, either to the right or left, which can be done instantly without stopping the team, the width of the furrow is changed. The excellence of such an arrangement will be seen by all, especially in view of the fact that heretofore reversible plows, as usually made, have no means of adjustment of any kind, and have frequently been condemned in consequence. Not only is this attachment so easy of operation that a child can manage it, but being of simple construction it will never get out of order.

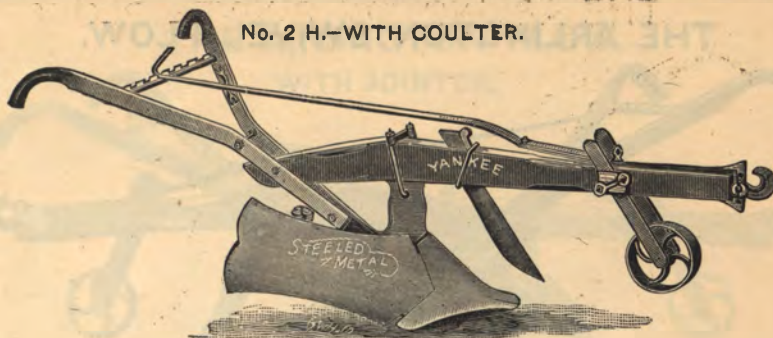
These plows are made from the Patent Steeled Metal, with beams and handles of best Eastern white oak, nicely painted, striped and varnished, making the handsomest swivel plow ever placed upon the market.



We also make this size with Foot Latch, at an advance in price of fifty cents, and it is numbered O. H.

This cut shows our No. 0 One Horse Plow, designed for gardeners' or small farmers' use, and the large demand shows that it has already become a strong favorite. The double handle allows of so wide an adjustment of the clevis that the horse can walk both ways in the furrow.

No. 2 H.—WITH COULTER.



The H series of Yankee Plows shown on this page, with patent spring foot latch, have to a large extent superseded the hand latch now shown on the opposite page. This Latch is an invaluable improvement, as, being operated entirely by the foot, the plow is ready for work as soon as reversed, which is done without taking the hands from the handles, or stopping the team.

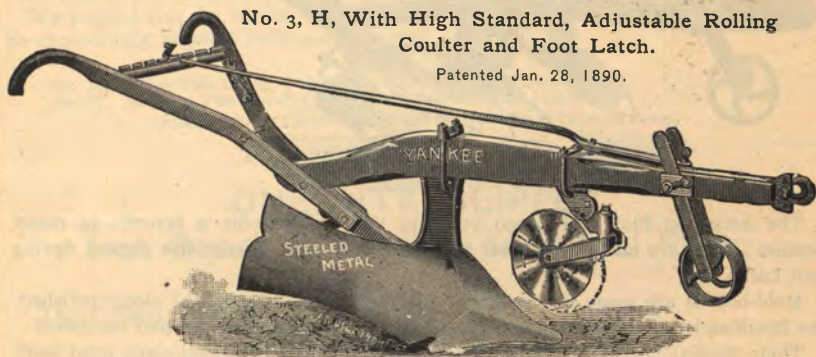
It is simple, strong and durable, and does not get out of order. The Standard on these plows being higher there is more room under the beam, and there is less danger of clogging when plowing weedy land.

Rolling Caster or Wheel Coulters.

Where lands are free from stone, or nearly so, this attachment will be found of great benefit, as there is no clogging even on very weedy land, and the draft is much lessened. We provide this attachment for both old and new series.

No. 3, H, With High Standard, Adjustable Rolling Coulter and Foot Latch.

Patented Jan. 28, 1890.



Price List, Old Series.

Number of Plow.	Description.	Plain.	With Wheel.	Wheel and Cutter.	Weight Full Rigged.
00	Small One Horse,	\$7 75	\$8 75		75 lbs.
0	One Horse,	8 00	9 00	\$10 00	85 "
1	Large One Horse, or Light 2 Horse,	10 50	11 50	13 00	105 "
2	Medium Two Horse,	12 00	13 00	14 50	117 "
3	Large Two Horse,	13 00	14 00	15 50	125 "
4	Three Horse,	15 50	16 50	18 00	172 "

New Series with Spring Foot Latch.

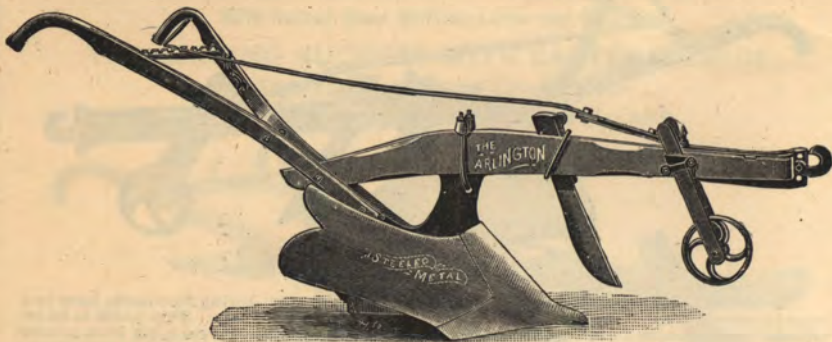
Number of Plow.	Description.	Plain.	With Wheel.	Wheel and Cutter.	Wheel and Jointer.	Wheel and Rolling Cutter.
0 H	Same size as No. 0,	\$8 50	\$9 50	\$10 50		
1 H	Same size as No. 1,	11 00	12 00	13 50		
2 H	Same size as No. 2, with High Standard,	12 50	13 50	15 00	\$15 50	\$16 00
3 H	Same size as No. 3, with High Standard,	13 50	14 50	16 00	16 50	17 00
4 H	Same size as No. 4,	16 00	17 00	18 50		19 50

Best tempered steel mold-boards are furnished for Nos. 3 and 3 H at an advance of \$1.50 to the above prices.

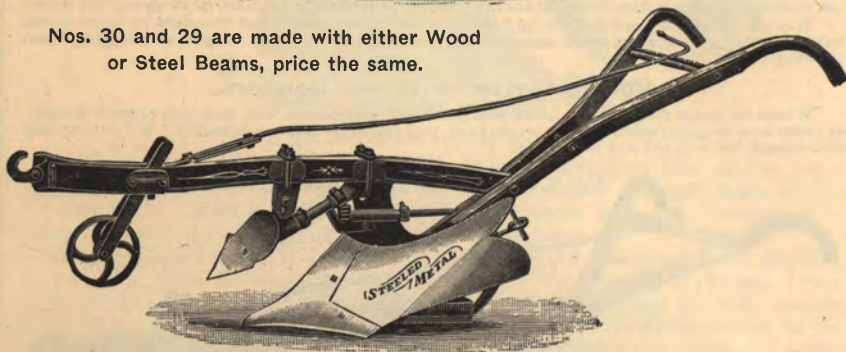
For full information of these plows, send for Yankee Plow Catalogue.

Nos. 2H and 3H weigh respectively 135 and 143 pounds. Other Nos. same as old series.

THE ARLINGTON SWIVEL PLOW.



Nos. 30 and 29 are made with either Wood or Steel Beams, price the same.



The Arlington Plow introduced by us in 1892 has become a favorite in many sections. They are made with Steel Shifting Lever with Clevis, also Patent Spring Foot Latch.

Mold-boards are made of Patent Steeled Metal, and all castings nicely polished. The Beam and Handles are made from selected stock, neatly striped and varnished.

Their general neatness of appearance, light weight, and exceptionally good work in the field, whether on flat land or hillside, commend them to all desirous of handling a perfect plow.

DESCRIPTION OF SIZES.

No. 30 turns a furrow 13 to 16 inches wide, 6 to 8 inches deep. Weight 135 lbs.

No. 29 turns a furrow 12 to 14 inches wide, 5 to 7 inches deep. Weight 125 lbs.

No. 27 turns a furrow 8 to 11 inches wide, 4 to 6 inches deep. Weight 85 lbs.

No. 27 is designed for one horse, which walks in the furrow.

No. 26 is a light one horse plow with Steel Mold-board, horse

walks in furrow,

Weight 65 lbs.

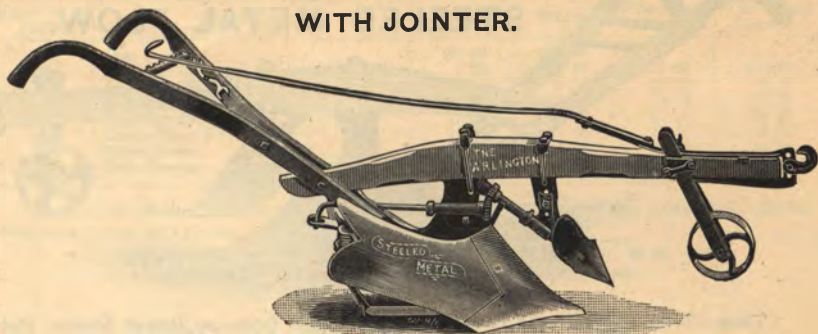
Nos. 29 and 30 are furnished with long Mold-boards when so desired.

PRICES.

Number.	Plain.	With Wheel.	Wheel and Cutter.	Wheel and Rolling Caster Coulter.	Wheel and Jointer.
30	\$12 50	\$13 50	\$15 00	\$16 00	\$15 50
29	11 50	12 50	14 00	15 00	14 50
27	8 00	9 00	10 00		
26	7 50	8 50	9 50		

Steel Mold-boards furnished for No. 29 at an advance of \$1.25 on the above prices.

THE ARLINGTON PLOW, WITH JOINTER.



The new Jointer Attachment shown above is a great improvement over all other styles yet invented. It obviates all clogging, both above and below the jointer arm. It can be adjusted to any desired depth as readily as Jointers on Landside Plows. The shank above the arm holds the Jointer firmly in place. When desired, the arm and blade can be removed by taking out one bolt, and the same bolt can be used to attach a Cutter to the beam shank, making a cheap Cutter as well as Jointer Attachment.

We believe this to be the best device yet offered, and one that cannot fail to be exceedingly popular among all users of Jointer Plows.

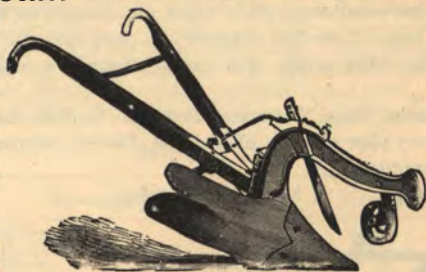
PRICES.

No. 30.	Large Two Horse, Complete with Wheel and Jointer,	. . .	\$15 50
No. 29.	Medium Two Horse, Complete with Wheel and Jointer,	. . .	14 50

Coulter Blades furnished for the above sizes at 75 cents extra.

ONEONTA CLIPPER Iron Beam Reversible or Swivel Plow.

These Plows
we make from
Patent
Hard Metal,



As well as
Best
Charcoal Iron.

This Plow contains some improvements not found in other Swivel Plows. The Shifting Handles, vibrating from the center of the beam, bringing the coulter into position at each turn of the mold-board, enables the operator to walk square behind the Plow, in the furrow. The Hook or Latch is operated by the foot, so that the Plow is turned ready for use *without taking the hands from the handles*. It is easy to handle, light to draw, firm, strong, and durable. It being a very short plow, it is easily worked among stones, stumps, into hollows and over knolls.

PRICE LIST.

	Cutter.	Wheel and Jointer.	Wheel and Cutter.
No. *16. Oneonta Clipper, Reversible, Iron Beam,	\$13.00		\$14.00
No. *18. Oneonta Clipper, Reversible, Iron Beam,	14.00		15.00
No. 17. Hard Metal Clipper, Reversible, Iron Beam,	15.00	\$16.00	

Those plows having their number prefixed by a star () are also made of our Patent Steeled Metal, at an advance of \$1.00 each plow.

THE NATIONAL STEELED METAL PLOW.



These Plows are perfect in construction, and made from our Patent Steeled Metal, which is far superior to the chilled iron, being much lighter, less liable to breakage, while admitting a fine degree of polish. They have an adjustable beam, anti-friction land-side, changeable shin, and improved jointer; and for lightness of draft, ease of handling, and thoroughness of work, cannot be surpassed.

The Patent Steeled Metal of which these Plows are made was introduced by us in August, 1878. It possesses all the required hardness of the chilled goods, without their brittleness; so that we are enabled to build Plows of much lighter weight and greater strength, and breakages are less common than on any other cast plow.

IMPROVED JOINTER AND ATTACHMENTS.

The jointer is clasped around the beam, thus avoiding all weakening of the beam by boring. It is made wholly of malleable iron, with the exception of the mold-board; is perfectly adjustable, and can always be made to run in line with the land-side, or can be raised or lowered as found necessary. Being strongly attached to the beam, it will never break or get out of order, and is in all respects the most perfect jointer attachment yet offered to the trade. When desired, the mold-board can be removed, and either a coulter blade or rolling coulter substituted, all of which attachments we furnish.

The Shares are made of the best charcoal iron, with the point and edge chilled. We also make shares with cutter points. For marsh plowing we make steel wings for Nos. 3, 4, and 5.

The National Steeled Metal Plows were first made in 1882, since which time they have been tested with every plow of note offered the Eastern farmer, and have fully proven their claims to superiority.

No. 0 NATIONAL.



PRICE LIST OF NATIONAL PLOWS.

Number of Plow.	Description.	Plain.	Wheel.	Wheel and Cutter.	Wheel and Jointer.
0	One Horse,	\$6 00	\$7 00		
1	One Horse,	7 50	8 50	\$10 00	\$12 50
2	Light Two Horse,	10 00	11 00	12 75	13 25
3	Two Horse,	10 75	12 00	13 75	14 50
4	Two Horse,	11 25	12 50	14 25	15 00
5	Large Two Horse,	11 75	13 00	14 75	15 50
B3	Two Horse,	10 50	11 50	13 25	14 00
B4	Two Horse,	11 00	12 00	13 75	14 50

NOTE.—Nos. B3 and B4 have the same bottoms as Nos. 3 and 4, but are made with lighter woodwork, wheel and clevis.

Jointer for any Right Hand Wood Beam Plow, complete, \$2.50.

Numbers 0 and 1 are made for horse to walk in furrow.

DOE'S IMPROVED PLOW.

Made formerly by B. & J. W. Belcher.



We are making this celebrated Plow from *Improved Patterns*, which, while retaining original form of mold-board, are made with higher standards of such form that clogging, so objectionable in the old Plow, is obviated. This Plow is deservedly popular; owing to the position of the landside with the convex mold-board, it turns a diamond shaped furrow, laying it very flat, covering up all grass, weeds, etc., without using a jointer. It will be made of the best plow iron, in five sizes, suitable for one, two, or three horses.

PRICE LIST.

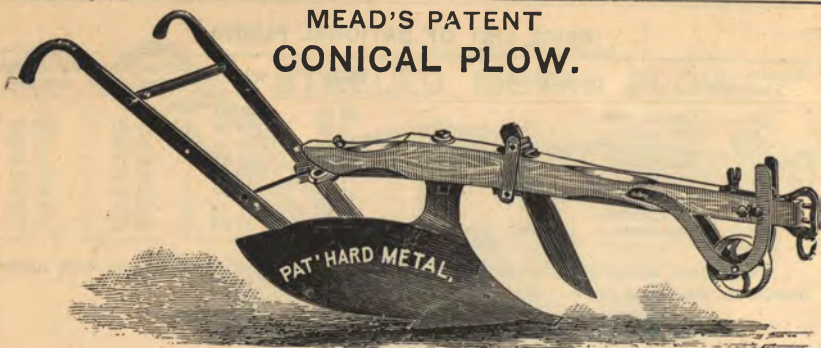
Number of Plow.	Description.	Plain.	Cutter.	Wheel and Cutter.
E 0	Medium One Horse,	\$5 00		
E 1	Large One Horse,	6 00	\$7 50	\$8 50
E 2	Light Two Horse,	7 00	8 50	9 75
E 3	Medium Two Horse,	8 00	9 50	10 75
E 4	Two or Three Horse,	10 00	11 50	12 75

We make the sizes named below of our Patent Steele Metal, which has proved superior to all others for strength, durability, and scouring qualities, it taking a very high polish. The handles and beams are made from selected stock and handsomely finished. This series is made only with index or swinging beams, making the most desirable and best looking Doe Plow ever offered to the trade.

PRICE LIST.

Number of Plow.	Description.	Plain.	Cutter.	Wheel and Cutter.
E 1	Large One Horse,	\$7 00	\$6 50	\$9 50
E 2	Light Two Horse,	8 00	9 50	10 75
E 3	Medium Two Horse,	9 00	10 50	11 75
E 4	Two or Three Horse,	11 00	12 50	13 75

MEAD'S PATENT CONICAL PLOW.



This plow is the invention of Mr. Solomon Mead, of New Haven, a scientific farmer. He spent several years in bringing it to its present state of perfection. This pattern of plow is still in demand in some sections.

* Those plows having their number prefixed by a star (*) are also made of our Patent Steeled Metal, at an advance of \$1.00 each plow. Index or Swinging Beams are used on all Steeled Metal Plows, excepting the Iron Beams.

PRICE LIST.

No. of Plow.	Description.	Plain	Cutter	Wheel and Cutter	No. of Plow.	Description.	Plain	Cutter	Wheel and Cutter
2	One Horse Medium, .	\$6 00			5	Stony Land, 2 or 3 Horse,	11 00	13 00	\$14 50
*2½	One Horse Large,	7 00	\$8 50	\$9 75	*5½	Sod, and Stony Land, .	11 00	13 00	14 50
3	Stony Land, L't 2 Horse,	9 00	10 75	12 25	6	Sod, 2 or 3 Horse, .	12 00	14 00	15 50
*4	Sod, 2 Horse, .	10 00	11 75	13 25					

THE LION PLOW.

Of which we have the Original
and Only Genuine Patterns.



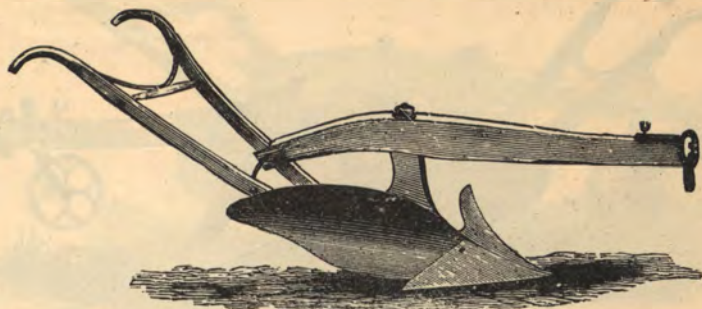
Mr. J. L. Robinson commenced the manufacture of the Lion Plows in Concord, N. H., more than seventy years ago; he made his patterns at first of lead, and changed the shape of the mold-board from time to time as the different soils seemed to demand, and at the time of his death, about fifty years since, he had patterns of twenty-four different plows, many of them first-class. In New Hampshire, Northern Vermont, and Eastern Massachusetts, they have long stood at the head of the best plows. So popular are they, that many manufacturers have taken the different castings, and, making patterns of them, have offered to the trade "The Lion Castings," thus imposing upon the farmer a bad-fitting point or mold-board, and producing a different working plow than the original.

PRICE LIST.

No. of Plow.	Description.	Plain.	Cutter	Wheel and Cutter	No. of Plow.	Description.	Plain.	Cutter	Wheel and Cutter
10	Very large, lock coultter	*21 00	\$23 00	\$25 00	50	Extra large, sod, .	\$12 50	\$14 25	\$15 75
L.	Very large, double "	19 00	21 50	23 50	A.	Extra large, " .	11 50	13 25	14 75
8	Extra large, "	18 00	20 00	22 00	B.	Large, " .	11 00	12 75	14 25
L. S.	Large, "	18 00	20 00	21 50	5	Large, " .	11 00	12 75	14 25
L. W.	Large, "	15 00	17 00	18 50	*25	Large, " .	10 00	11 75	13 25
F8	Large, "	14 00	16 00	17 50	24	Medium, " .	9 00	10 75	12 25
60	Large, "	14 00	16 00	17 50	C.	Medium, " .	9 50	11 25	12 75
15	Medium, "	12 00	14 00	15 50	D.	Large One Horse,	6 50	8 00	9 25
26	Medium, "	12 50	14 50	16 00	22	Large One Horse,	6 50	8 00	9 25
*61	Extra large, sod, "	12 50	14 50	16 00	E	Medium One Horse	6 50		

THE CYLINDER PLOW.

Known in some sections as the Gibbs Patent, also as the Greenfield Plow.



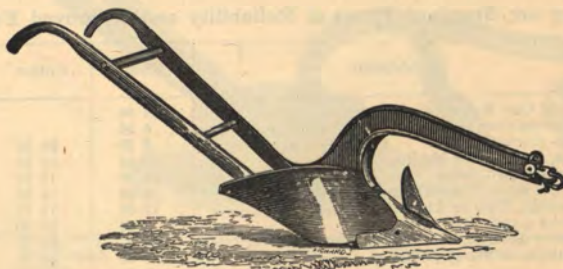
This Plow derives its name from the form of the mold-board, which is the segment of a perfect cylinder, with its ends cut in the style of ordinary mold-boards. Its lines are thus always horizontal to the surface of the land, and consequently it turns the furrow slice with the same uniformity as a wheel on its axle, and with the least possible friction. The friction is still further reduced by the peculiar arrangement of the share and land-side.

Numbers 1 and 2 are also made in hard metal at an advance of \$1.00 each in list.

PRICE LIST.

Number of Plow.	Description.	Plain.	Wheel.	Wheel and Cutter.
A	Sod and Stubble, Small One Horse, . . .	\$4 00		
0	Sod and Stubble, Two Horse, . . .	8 50	\$10 00	
*1	Sod and Stubble, Small Two Horse, . . .	10 50	12 00	
*2	Sod and Stubble, Two Horse, . . .	11 50	13 00	
3	Sod and Stubble, Deep Tiller, Two or Three H'se	12 50	14 00	
0	Side-Hill Light, Two Horse, . . .	10 50	12 00	\$13 50
3	Side-Hill Medium, Two Horse, . . .	12 00	13 50	15 00

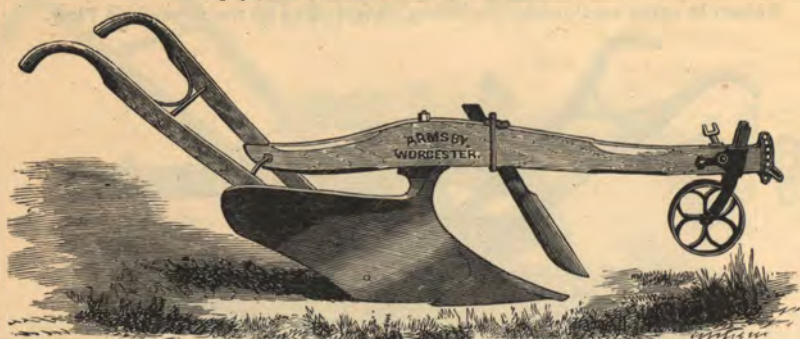
IRON BEAM PLOW.



Many years since we introduced our No. M Iron Beam Plow, which is one of the finest working plows on our list. Wherever it has been introduced it has given entire satisfaction. It is without question the best common Iron Beam Plow in the market.

No. M.	Price, Plain,	. . .	\$8 50
No. M.	Hard Metal, Plain,	. . .	9 50

THE ARMSBY PLOW.



This plow was the invention of Mr. Armsby, who was formerly one of the firm of Ruggles, Nourse, Mason & Co., and had the designing of their best plows. Leaving that firm, he set himself at work to produce a better plow than had been previously made; and this series of plows is the product of that determination. The A series of plows is the Armsby pattern made as a deep tiller.

PRICE LIST.—Our Plow Cutters are all Steel.

Number of Plow.	Description.	Plain.	Cutter.	Wheel and Cutter.
1	Small One Horse, - - - - -	\$4 50		
2	Medium One Horse, - - - - -	5 50		
3	Large One Horse, - - - - -	6 50	\$8 00	\$9 25
4	Light Two Horse, - - - - -	8 50	10 00	11 25
5	Sod, Two Horse, - - - - -	9 50	11 25	12 75
6	Sod, Two or Three Horse, - - - - -	11 00	12 75	14 25
7	Sod, Three or Four Horse, - - - - -	11 50	13 50	15 00
8	Sward, Two or Three Horse, - - - - -	10 00	11 75	13 25
9	Sward, Three to Five Horse, - - - - -	12 50	14 50	16 00
11	Sward, Two Horse, - - - - -	9 00	10 75	12 25
0	Large One Horse, - - - - -	6 50	8 00	9 25
DEEP TILLING PLOWS.				
A 3	Large One Horse, or Light Two Horse, - - - - -	7 50	9 00	10 25
A 4	Sod or Stubble, Medium Two Horse, - - - - -	9 50	11 25	12 75
A 5	Sod or Stubble, Two Horse, - - - - -	10 00	11 75	13 25
A 6	Sward or Stubble, Two to Four Horse, - - - - -	12 00	14 00	15 50
A 7	Large Sward, Three to Five Horse, - - - - -	14 00	16 00	17 75

The following are Standard Plows of Reliability and Approved Excellence.

Number of Plow.	Description.	Plain.	Cutter.	Wheel and Cutter.
14	Light One Horse, - - - - -	\$4 00		
15	Medium One Horse, - - - - -	5 00		
0 E	One Horse Large, - - - - -	6 50	\$8 00	\$9 25
23	Sod, Two Horse Medium, - - - - -	9 00	10 50	12 00
25	Sward, Two Horse, - - - - -	10 00	11 75	13 25
2 E	Sod, Two or Three Horse, - - - - -	10 00	11 75	13 25
* R	Stubble, Two or Three Horse, - - - - -	10 00	11 75	13 25
B	Stony Land, Two Horse, - - - - -	9 00	10 75	12 25
A	Sod or Stony Land, Two or Three Horse, - - - - -	10 00	11 75	13 25
Wright 2½	Stubble or Stony Land, - - - - -	10 00	11 75	13 25
SIDE-HILL PLOWS.				
Lion 1	Light Two Horse, - - - - -	9 00	10 50	12 00
" 2	Two Horse, - - - - -	10 00	11 75	13 25
" 2½	Large Two Horse, - - - - -	11 00	12 75	14 25
" 3	Large Four Horse, - - - - -	13 00	14 75	16 25
B1	Sod, Light Two Horse, - - - - -	9 00	10 50	12 00
4	Sod, Two Horse, - - - - -	12 00	13 75	15 25
5	Sod, Two or Three Horse, - - - - -	13 00	14 75	16 25

* Those plows having their number prefixed by a star (*) are also made of our Patent Steeled Metal, at an advance of \$1.00 each plow. Index or Swinging Beams are used on all Steeled Metal Plows, excepting the Iron Beams.

OXFORD STEEL PLOW.

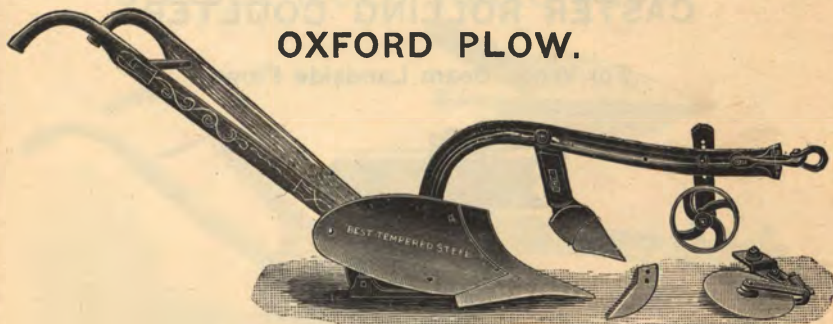


Every part of this plow has been carefully devised. The moldboard is made from extra quality tempered steel. The shin is made of steeled metal and very hard. It can be cheaply renewed and will prevent the moldboard from wearing out. Moldboards not protected with shins will soon need renewing, at a large expense, and such should be avoided by all prudent farmers. With occasionally renewing the shin, which does the cutting, we warrant these moldboards to last a lifetime. The landside is thoroughly hardened and the point is made from charcoal iron, both point and wing being chilled. The clevis is easily adjustable to any desired position. The jointer is made from the most approved pattern, and point can be renewed at small expense. The jointer can readily be brought in line with the landside, and thus insure easy draft. The wheel has a steel standard and is always adjustable to line of draft.

	Plain.	With Wheel.	With Wheel and Cutter.	With Wheel and Jointer.
No. 0,	\$6.50	\$7.50		
No. 1,	8.25	9.25		
No. 94,	11.00	12.00	\$10.75	\$14.00
No. 94½,	11.00	12.00	13.75	14.00
No. 95,	12.00	13.00	14.75	15.00
No. 95½,	12.00	13.00	14.75	15.00

As will be seen, the 94½ is the same price as 94, and the 95½ same price as 95; the difference between 94 and 94½ being that the beams to the latter are shorter and the handles stand up straighter, as shown by cut at top of this page; the same is true in regard to 95 and 95½.

OXFORD PLOW.



With steel beam, extra quality tempered steel moldboard and landside, steeled metal shin and landstrip. Malleable iron standard and braces. A light and perfect working plow, first class in every respect.

No. 96 is a medium two horse plow. No. 97 is a large two horse plow.

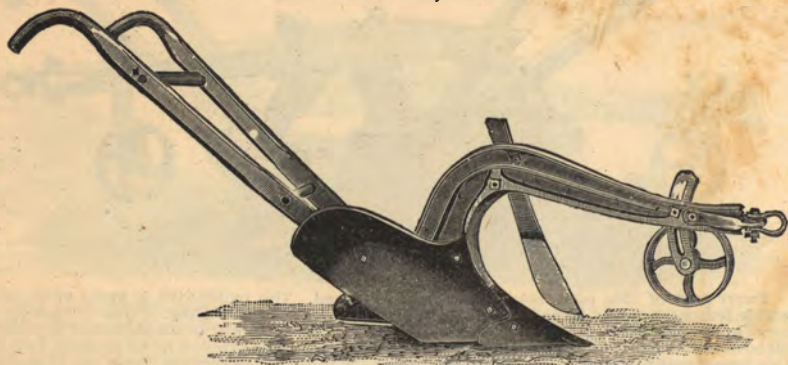
	Plain.	With Wheel.	Wheel and Cutter.	Wheel and Jointer.	Wheel and Rolling Coultter.
No. 96,	\$13.00	\$14.00	\$15.50	\$16.00	\$16.50
No. 97,	14.00	15.00	16.50	17.00	17.50

With steel beam, steeled metal moldboard and shin, point and landside chilled. In appearance same as shown above.

No. 98 is a medium two horse plow. No. 99 is a large two horse plow.

	Plain.	With Wheel.	Wheel and Cutter.	Wheel and Jointer.	Wheel and Rolling Coultter.
No. 98,	\$11.00	\$12.00	\$13.50	\$14.00	\$14.50
No. 99,	12.00	13.00	14.50	15.00	15.50

ROAD PLOW, No. 20.



We have made and sold this Plow since 1875. It was introduced into the city of Springfield about that time, by the Superintendent of Streets, and has been in constant use since. It stands the strain in plowing up the macadam of the streets better than any other plow.

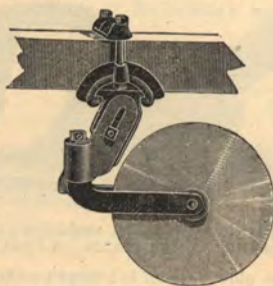
It has been introduced in several other cities, and is also largely used by contractors, and it always gives satisfaction.

	Plain.	Cutter.	Wheel and Cutter.
No. 20. Curtis's Sod, 2-Horse,	\$11 50	\$13 00	\$14 25

No. 34 Improved Iron Beam Chilled Plow, Medium 2 Horse with Wheel and Jointer, \$15.50.
Send for Circular.

CASTER ROLLING COULTER.

For Wood Beam Landside Plows.



Showing left side.

EASILY ATTACHED. LIGHT AND EFFICIENT. ATTACHMENT MADE OF
MALLEABLE IRON.

10 inch, Price, \$2 50

SUBSOIL PLOW.



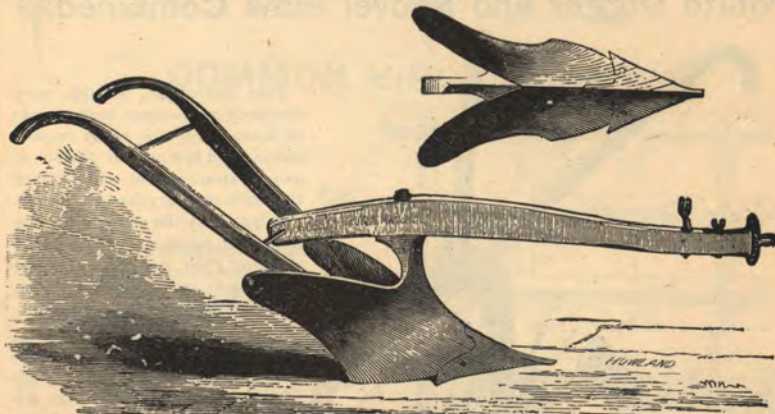
The Subsoil follows directly after and in the channel made by the Plow turning the surface soil, loosening and pulverizing the lower soil to any desirable depth, without bringing it to the surface. The Subsoil Plow is specially valuable in lands where the top soil rests upon hard-pan but a few inches below the surface, and in lands of a stiff clay or other tenacious soil.

Although at first thought it may seem a paradox, yet in the working of such lands the use of the Subsoil Plow is of great advantage, both in dry and wet seasons. If permitted to do so, plants will, in a dry season, extend their roots deeply into the earth; and by the use of the Subsoil Plow the stiff under soil or hard-pan is opened and pulverized, so as to promote the ascent of moisture from below, as well as permit the roots of vegetation to push lower down, and away from the more parching influence of the sun. Again, lands of a stiff, compact soil are, in a wet season, naturally too cold, clammy, and moist; but by being deeply loosened and opened the excess of moisture filters below; the surface soil thus relieved is made light, mellow, and warm, and the crops prosper accordingly.

Price, No. 1, Two Horse,

Draft Rod.
\$9 50Wheel and Draft Rod.
\$11 00

DOUBLE MOLD-BOARD PLOW.



Our Double Mold-Board Plow is a one-horse plow used for making drills to plant potatoes, corn, etc. It is often used for plowing between rows, and throws the earth both ways to the plant, thus doing the work of two plows; many farmers use it for digging potatoes. It is a convenient plow for many kinds of work, ditching, etc., and should be kept on all farms.

PRICE LIST.

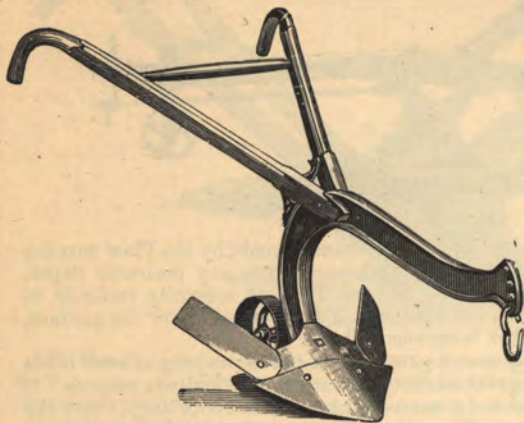
No. 1, One Horse,
No. 1½, Medium,

: : : : : : : :

\$5 50
6 50

THE HITCHCOCK IMPROVED ADJUSTABLE HANDLE SHOVEL PLOW,

With Adjustable and Reversible Side Wings.



For cultivating all kinds of crops that are planted in rows or drills, the Shovel Plow is conceded to be a very useful implement. For cultivating potatoes there is *nothing* that will equal it.

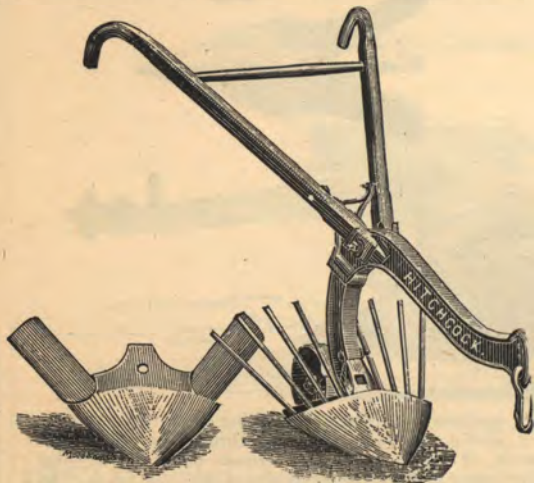
The wings and points are made of steel, polished and ground sharp. The wings are twisted in the shape of the mold board of an ordinary plow and in operation turn off the loose, mellow soil toward the plants, and against them if desired. The wings are adjustable, can be opened or closed to throw off more or less earth, as desired, and to adapt them to rows of greater or less distance apart.

For weeding, and when it is not desired to make any furrow, or throw any soil against the plants, the wings should be changed or reversed. The soil then is not thrown to the sides, but passes over the plow, and is left in a pulverized and loose state, and as the wings present a sharp, cutting edge, it thoroughly cuts up all grass and weeds. The depth of the cut is regulated by the raising or lowering of the wheel and draft hook.

The handles are adjustable to a tall or short man.

Price, \$7 00

THE HITCHCOCK Potato Digger and Shovel Plow Combined.



This implement, though very simple in appearance, is the result of much study and many experiments; and it is as near perfect as can be attained and come within the reach of every farmer. It is a Success. By the changing of one bolt it may be converted either into a Shovel Plow or a Potato Digger. The fingers are adjustable, being held in position by the plow point. Thus, in case of breakage, a new part may be inserted without the expense of whole new head. The fingers, points, and wings are made of steel, rendering it light, strong, and durable.

Patented Dec. 23, 1884.

Hitchcock Potato Digger,	:	:	\$8 00
Hitchcock Potato Digger and Shovel Plow combined,	:	:	10 50

HARROWS.

A good Harrow stands next to the plow for efficiency in preparing the soil for the reception of seeds. In some respects it is superior to the plow, as, for instance, in breaking up clods, disengaging roots, and pulverizing the earth. Great improvements have been made within a comparatively recent period in the construction of the Harrow, by which a more perfect pulverization of the ground and a great saving of time and strength are each secured; and he must have lived and observed to little purpose, who is content to use the old clumsy and coarse Harrow of former days, when those of several improved forms are so readily obtained.

We manufacture our own Harrow teeth from the best open hearth steel, and our customers will find them far superior to the common cheap steel teeth found in the market. Some of our Harrows have the teeth secured by a nut at the top, while others are driven into a mortised hole in the timber.



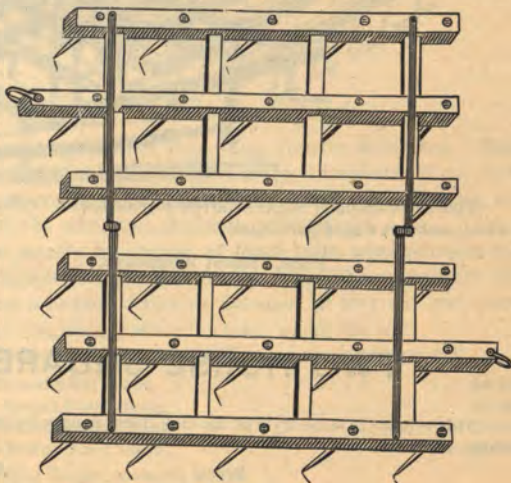
We commence our Harrow list with the A Harrow, as it is the oldest shape for Harrows. It is a plain, simple Harrow; still gives satisfaction in common soils. We make five different sizes.

	No. Teeth.	Size of Teeth.	Price.
A,	11	$\frac{3}{4}$	\$6 00
A,	13	$\frac{3}{4}$	7 00
A,	15	$\frac{3}{4}$	9 00
A, (heavy,) .	15	$1\frac{1}{4}$	14 00
A, (heavy,) .	17	1	14 00

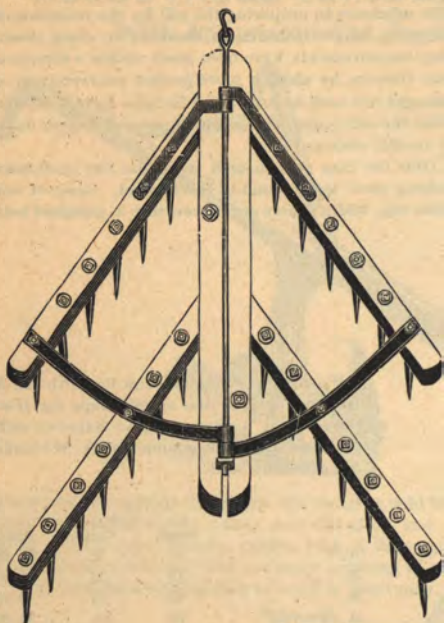
COMMON HINGE HARROW.

We present herewith a cut of the Common Hinge Harrow, with thirty teeth. This is a simple, strong made Harrow, and has many of the features of the Improved Hinged Harrow. It is cheaper in price and has a less number of teeth.

Price, . . . \$15 00



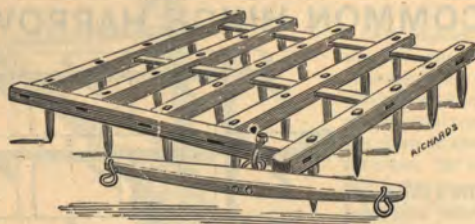
THE GEDDES HARROW.



The Geddes Harrow is made of two pieces of frame-work, joined by hinges in the center so that it adapts itself to an uneven surface, and either side may be conveniently elevated to free it from stones, sods, etc., while the Harrow is moving along, without disturbing the operation of the other half; and one part may be folded upon the other, in passing stones, between stumps, fruit trees, etc. The arrangement of the teeth in the frame-work is such, that each one operates distinctly from others, and the number of impressions made on the soil will be equal to the number of teeth, and at equal distances.

	No. Teeth.	Size of Teeth.	Price.
Geddes,	14	$\frac{1}{2}$	\$9 00
Geddes, for 2 horses,	18	$\frac{3}{4}$	10 00
Geddes,	22	$\frac{3}{4}$	11 00
Geddes,	26	$\frac{3}{4}$	16 00
Geddes,	30	$\frac{3}{4}$	18 00
Geddes,	30	1	20 00

ONE HORSE SQUARE HARROW.



This is the ordinary Square Harrow for one horse. It is made light and has twenty-five teeth, which makes it a good pulverizer.

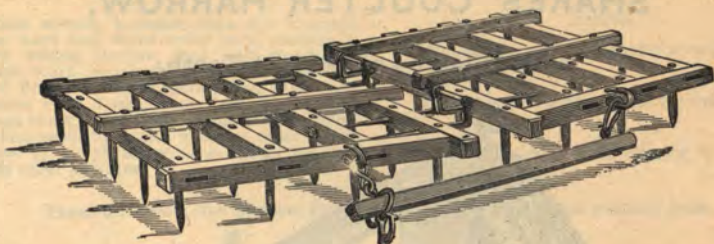
Price, without Whiffletree, \$9 00

TWO HORSE SQUARE HARROW.

This is made in same style as the One Horse Square Harrow, only larger and heavier, and has thirty-six teeth.

Price, \$11 00

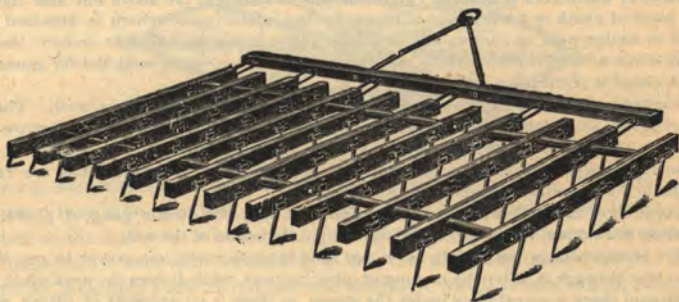
IMPROVED HINGE HARROW.



This Harrow is so constructed that one-half of it can be used for a single horse Harrow ; but it is designed for a double Harrow, and when so used it has no equal as a seeding Harrow. It takes a breadth of over six feet. The ends of the bars are secured from splitting by iron rivets. The Harrow may be folded double or taken apart for transportation. While in motion either part may be raised to clear it from weeds, stones, etc., and the independent and easy motion of the parts upon the hinges enables the implement to adapt itself to the surface of the ground, so that whether going over knolls and ridges, or through hollows, it is always at work, and every tooth is working in the soil. This Harrow has forty teeth and they are set at equal distances from each other, and the draft is such that no tooth follows in the track of another.

Price, \$18 00

CLIPPER SMOOTHING HARROW.



We regard the Clipper as the best pattern of Smoothing Harrow in market. The teeth are $\frac{1}{8}$ round, and are attached to the side of the bars by a malleable clasp, and are so arranged that by hitching to one end of the harrow the teeth pull slanting, as shown in the cut. By hitching to the other end, the teeth pull straight.

The teeth being convertible merely by change of hitch from perpendicular to slanting, it combines all the principles of two harrows in one. The superiority of having teeth in a slanting position is beyond doubt or question, as they cut and pulverize the soil thoroughly without clogging, leaving the trash under the soil.

It is also excellent for cultivating corn, potatoes, and other crops when small.

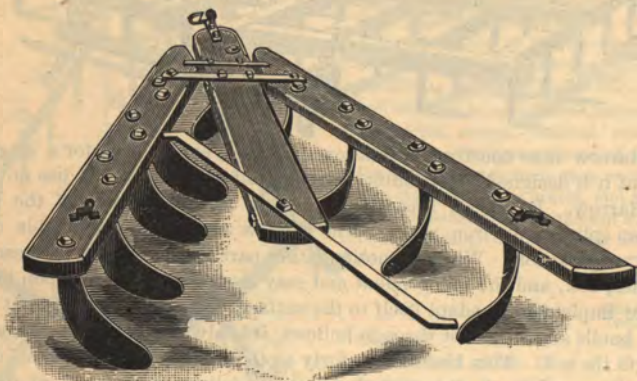
No. 1.	One Section Reversible, 24 Round Steel Teeth,	\$8 50
No. 2.	Two Sections Reversible, 48 Round Steel Teeth,	12 00
No. 3.	Three Sections Reversible, 72 Round Steel Teeth,	20 00
No. 4.	Four Sections Reversible, 96 Round Steel Teeth,	27 00

Including Evener as shown in cut.

Price of Evener: No. 1, \$1.00; No. 2, \$2.00; No. 3, \$3.00; No. 4, \$4.00.

SHARES' COULTER HARROW,

With Fillebrown's Patent Teeth.



The above cut represents a perspective view of a Coulter Harrow invented and patented by D. W. Shares, a practical farmer, more than twenty years since, and used with heavy iron or steel teeth until within the past ten years, when a flexible steel tooth was invented and introduced by L. W. Fillebrown, now of Piqua, Ohio, and for which we have the exclusive manufacture and sale in New England.

The frame or wood-work is made in two forms, one as shown in the above cut and the other a straight piece of plank or timber, and is drawn by the center piece which is attached to the gang plank or timber near its center; and as it is movable, it has the effect to control the depth of the teeth while at work. This style is usually preferred for covering seed, but for general purposes the A shape is preferred.

Its advantages over other harrows lie principally in the construction of the teeth. The teeth are made of broad, thin blades of steel, spring tempered, always sharp, forming a Harrow which is light, strong, and durable; inclining forward so as to prevent clogging with roots, stalks, stones, etc., also to cut the sods and make an easy entrance into any kind of earth. They are fastened to the frame in a substantial manner with two bolts.

The operation of the teeth when at work is similar to that of a double gang of plows. This, it will be seen, is a lifting, loosening, and thorough pulverization of the soil.

They are of exceedingly light draft, as on turf land it takes much less power to cut through sod than to tear through it, after the manner of other harrows, while it does the work much faster. On stony ground there is no catching under the stones, so there is no necessity of lifting, while it prevents all jerking upon the horses.

They are manufactured of different sizes, from the draft of one horse to four, and are adapted to all kinds of land except among small or low stumps. They are substantially built of the best materials, and so constructed that they will contract so as to be convenient for loading, storing, etc., and sending to any part of the country.

This implement, like a plow or any other tool, works much the best when kept clean and bright.

PRICE LIST.

	No. of Teeth.	Price.
Shares' Patent Straight Seeding Harrow,	8	\$10 00
Shares' Patent Straight Seeding Harrow,	10	12 00
Shares' Patent Straight Seeding Harrow,	12	14 00
Shares' Patent A Harrow,	7	8 00
Shares' Patent A Harrow,	9	10 00
Shares' Patent A Harrow,	11	12 00
Shares' Patent A Harrow,	13	14 00

Iron or Steel Teeth at same prices. Seats for Shares' Harrow, \$1.50.

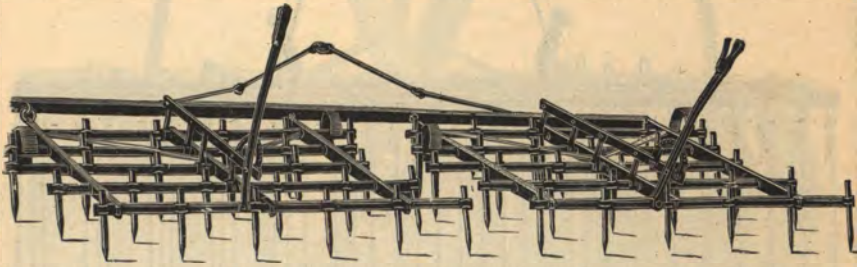
THE STEEL AGE LEVER HARROW.

Each section is made with five channel steel bars and three cross bars, making a very strong Harrow that will stand the rough work required of Harrows used in New England. Each section has 30 $\frac{3}{4}$ inch Square Steel Teeth, made from extra hard tough stock. The frame is made from high carbon steel stock, and will not twist out of shape by rough usage as is often the case with other patterns.

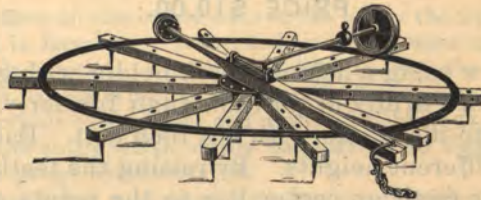
PRICES.

One section with evener for one horse,	\$9 00
Two sections with evener for two horses,	18 00
Three sections with evener for two horses,	27 00

Price of Evener: One Section, \$2.00; Two Section, \$3.00; Three Section, \$4.00.



MONROE'S IMPROVED ROTARY HARROW.



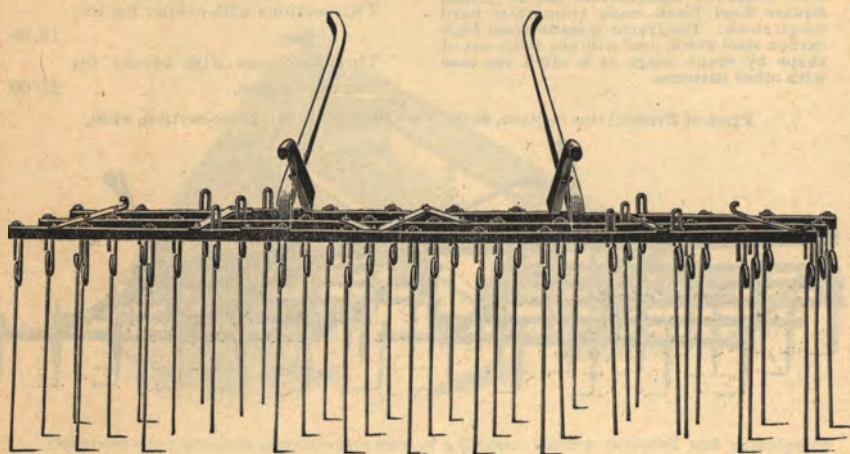
The cut herewith shown represents Monroe's Rotary Harrow, Pulverizer, and Grain Coverer. It will be seen that it is a wheel, placed horizontally, and drawn by a beam attached to the hub with a king-bolt. At right angles to the beam, and affixed thereto by a hinge, is an iron arm extending to the rim and holding in position thereon an iron roller, weighing some 21 pounds, the weight of which produces sufficient resistance to revolve the Harrow continually while being drawn forward. The small roller on the rear end of the beam serves as a rudder, keeping the Harrow immediately behind the team when working, whether on *steep side hills* or on *level ground*. On the iron arm (to which the roller is attached) is an adjustable iron ball for the purpose of adding more weight on the rim, if required when working on heavy soil.

This harrow is simple in construction, combining strength with lightness, and cannot easily get out of order. It revolves continually while in operation, and turfs, stones, corn-butts, or any other obstructions of the kind will not clog it.

PRICE LIST.

	No. of Teeth.	Size of Teeth.	Price.
No. 1, One Horse,	20	$\frac{3}{4}$ inch,	\$20 00
No. 2, Two Horse,	25	$\frac{3}{4}$ inch,	23 50
No. 3, Two Horse,	30	$\frac{3}{4}$ inch,	25 00

THE ECLIPSE WEEDER.

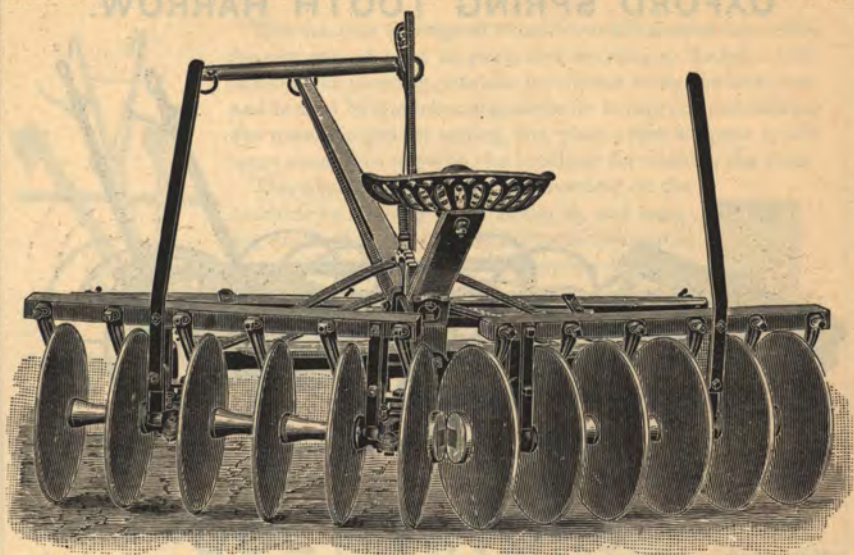


PRICE \$10.00.

We are now using a heavier tooth holder with guide on it to hold tooth more firmly in position than formerly. The teeth are attached to the frame with a $\frac{3}{8}$ inch bolt. Each tooth can be raised to different heights. By raising the teeth on rear bar and adjusting teeth on center bar so the points on the three bars will come in line, all the teeth can be made to stand upright or perpendicular for *hard scratching*. By raising teeth on front bar and also on middle bar to correspond, any desired slant of teeth can be obtained for light work. Thirty-nine 11-32 round, oil tempered spring steel teeth are used. The teeth at their upper ends are formed in loops and are held firmly to the bars by malleable holders grooved to fit the shanks and projections resting on top of bars.

The shafts are adjustable to height of horse. By keeping the horse between the rows and raising the teeth that come over the plants and adjusting the others to the profile of the ground, thorough and perfect work can always be done, and this weeder can be used after all other patterns have to be laid aside. Experience has proved that round teeth are the only reliable pattern for thorough work in all conditions of soil.

YANKEE PULVERIZER.



Combining all the late improvements in Disk Harrows.

By using buffers on the inside ends of the gangs the friction caused by the side thrust is largely overcome, reducing the wear and draft to the smallest possible amount. The draft is directly from the axle and so arranged that the harrow is perfectly balanced, all the disks cutting uniform depth with heavy or light driver and always flexible. It is the only harrow that tills the entire width of the cut leaving no ridge in the center or between the gangs not cultivated.

The gangs not being connected by a bar or otherwise, act *entirely independent*.

The angle of the gangs can be changed quickly by the hand lever whether the team is at rest or in motion.

When so ordered it has a Patent Reciprocating Scraper Attachment, the most perfect device ever used for cleaning the wheels in sticky soils. The scraper handles are within easy reach of the driver. When not in use the scrapers do not rub against the wheels and make the machine run hard.

It is easily and quickly taken apart for transportation or storage.

PRICE LIST.

No. 0.	For One Horse, 10 Steel Discs, 13 inches diameter, cuts 5 feet wide, plain,	-	-	\$20 00
No. 1.	For One Horse, 8 Steel Discs, 16 inches diameter, cuts 4 feet wide, plain,	-	-	21 50
Extra for Scraper Attachment, \$2 50.				
No. 2.	12 Steel Discs, 13 inches diameter, cuts 6 feet wide, plain,	-	-	23 00
No. 4.	12 Steel Discs, 16 inches diameter, cuts 6 feet wide, plain,	-	-	26 00
No. 5.	12 Steel Discs, 18 inches diameter, cuts 6 feet wide, plain,	-	-	30 00
No. 6.	12 Steel Discs, 20 inches diameter, cuts 6 feet wide, plain,	-	-	34 00

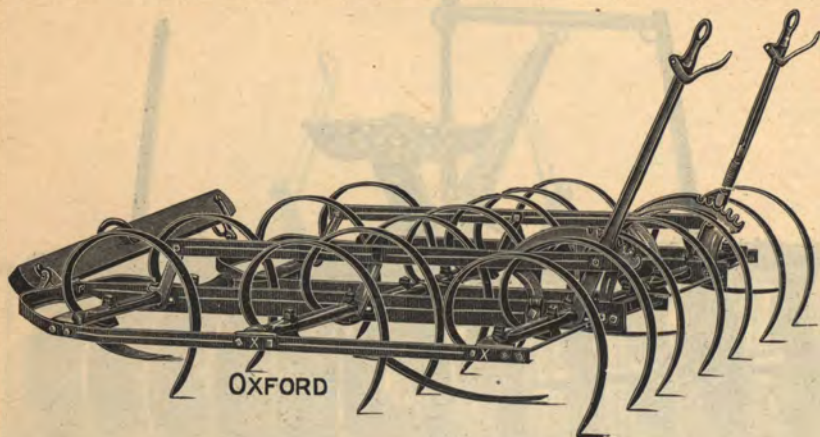
Extra for Scraper Attachment, \$3 00; Extra for Neck Yoke, Whiffletrees, and Evener, \$3 00.

We also make Harrows with more discs, for three or four horses. Weight boxes for all sizes furnished when desired.

Harrows are always shipped knocked down, and, unless otherwise ordered, without Scraper Attachment or Whiffletrees, Evener and Neck Yoke.

We also manufacture to order the La Dow Harrow and Randall Pulverizing Harrow, and furnish extras for same.

OXFORD SPRING TOOTH HARROW.



After thoroughly testing in the field at actual work, Spring Tooth Harrows constructed in different forms of frame, and attachments for gauging depth, we have adopted the pattern as shown above as the best possible to make.

The Runner Springs are attached to the front end of the High Carbon Steel Frame by swivels, so the harrow can be turned around without gouging up the surface. The runners in front and rear are a more perfect depth gauge than wheels, as they have a greater bearing surface on the ground and will not wallow in moist places. They also prevent vibration of the harrow when at work.

Either gang can be used as a one horse harrow. Three or more gangs can be connected and used by two, three, or four horses.

Teeth are arranged in the best possible position to prevent clogging, and are made from the best Spring Steel, oil tempered.

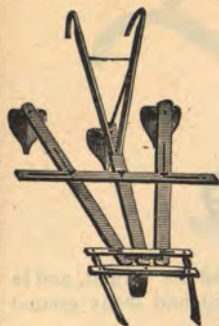
The gangs are made in one size only; the teeth in the 18 tooth harrow are a trifle nearer together than in the 16 tooth. The gangs run level, do not hump up in the center, or wings swing up, except to follow the surface of the ground, which it does perfectly, pulverizing the soil in a most thorough manner.

PRICE LIST.

Without Runner Springs, 16 tooth, . . .	\$18.00
Without Runner Springs, 18 tooth, . . .	19.00
With Runner Springs, 16 tooth, . . .	19.00
With Runner Springs, 18 tooth, . . .	20.00

NOTICE.—In the construction of this harrow, we guarantee that we infringe no patent, and any person or company claiming that it is an infringement is aiming to deceive the farmer or bulldoze the merchant.

THE GOSLEE IMPROVED FIELD MARKER.



Spread from 2 to 4 feet.

This machine is designed to mark out the rows of any width for any crop planted in rows, and in doing so makes a drill suitable for planting potatoes in without using the hand hoe, and is used by the tobacco growers for laying out and making the rows straight for setting the plant; also it opens a drill large enough to strew in the fertilizer for starting the plant.

There has been quite an improvement in the machine by the way of adjusting it, and hanging the shafts; also making the teeth adjustable to any depth and size drill. Improvements in pitch of teeth, also size.

Price,	\$7.50
Price, with Spacing Bar,	8.50

Adjustable
Tooth.

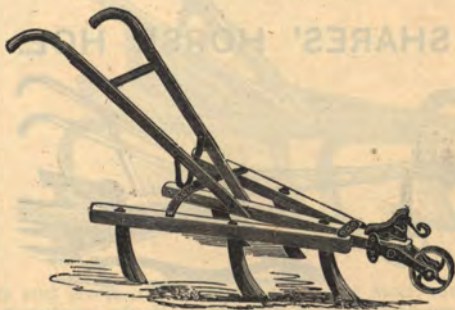
CULTIVATORS.

The Cultivator pulverizes the surface soil, leaving it light and porous, so as to admit the rain, dews, and atmospheric influences. It greatly promotes the growth of the crop, while it saves a vast amount of hand labor. No farmer of the present day would think of raising corn or root crops without a cultivator of some kind.

We commence our list with the

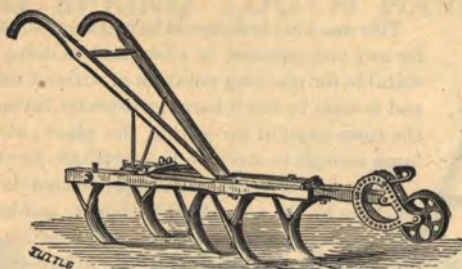
PATENT

FIVE TEETH (SOLID STEEL) CULTIVATOR.



This pattern cultivator is too well known to need any description. Price \$6.00.
The Brooks Horse Hoe will be sold at usual prices.

THE WRIGHT CULTIVATOR.



No wooden frame has a greater or more lasting popularity than the Wright, and in many sections no other will take its place. For pulverizing hard and stony ground they have no superior.

Price, with wheel, . . . \$7 00

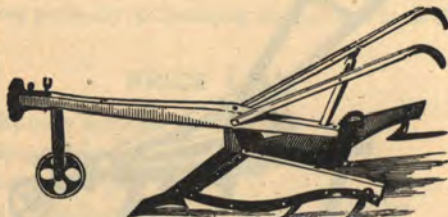


CULTIVATOR WITH HILLING WINGS.

As will be seen by this cut it may be used as a Cultivator alone, or, by exchanging three teeth for the hilling wings, it is the best arrangement for hilling yet made.

Price, with wheel, . . . \$11 00

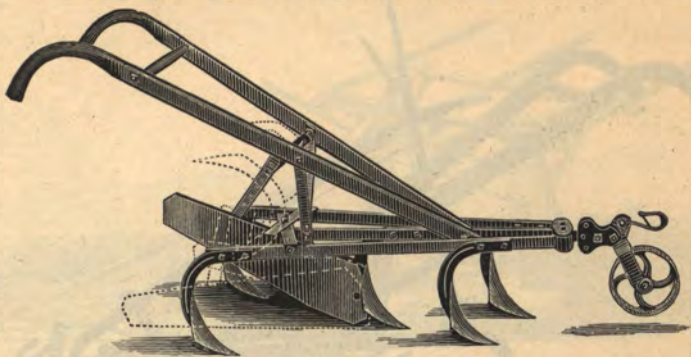
SHARES' HORSE HOE.



This is one of the most serviceable Horse Hoes in the market, having a large sale in localities where it has been introduced.

Price, with wheel, . . . \$11 00

New England Cultivator and New England Horse Hoe Combined.



We commenced the manufacture of this now well known and highly popular Cultivator and Horse Hoe several seasons since, as there was a demand for a stronger built and more serviceable iron frame than any in the market.

As shown in the above cut, it is now in shape for a Cultivator. It can be changed instantly from a Cultivator to a Horse Hoe by simply removing three thumb nuts, lowering the wings and turning the end teeth on top of the frame, as indicated by the dotted lines in the cut. By such an arrangement all risk of mislaid parts is avoided.

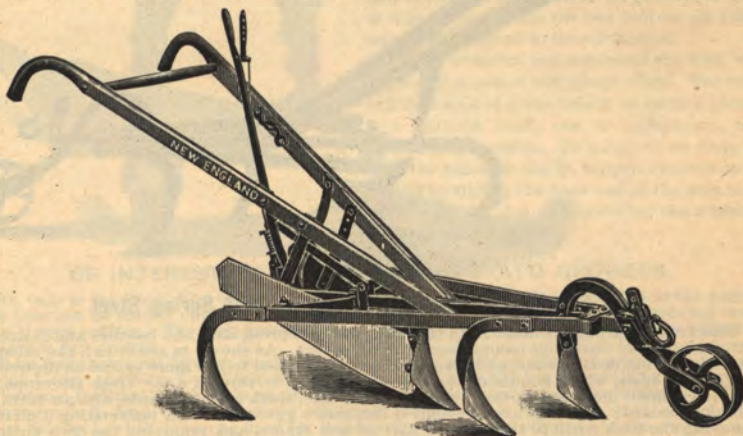
The sale of this Cultivator in the stony and rough sections of New England has exceeded any other Cultivator or Horse Hoe made, for the reason that it is the strongest built and stands the rocks and stony land better than any other, and, again, it does better work. The hilling wings can be set so as to hill as much or little as desired.

We confidently recommend this implement to all desirous of a good, strong, serviceable machine, well adapted for use in all kinds of soil.

Price,

\$10 00

NEW ENGLAND HORSE HOE AND CULTIVATOR. WITH LEVERS.



Frame, shanks and levers from best quality spring steel, reversible steel points, oil-tempered adjustable steel wings. Levers for expanding frame and gauging wheel, the most simple and effective device yet invented, offered with either one or both levers as desired.

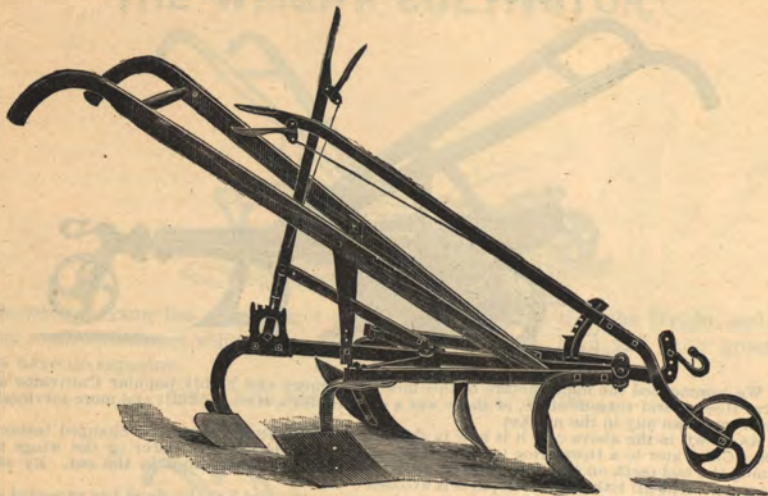
Price with one lever,

\$10.75

Price with two levers,

\$11.50

THE EXCELSIOR ALL STEEL HORSE HOE AND CULTIVATOR.



NEW MODEL.

With Adjusting Levers for Expanding Frame, and for Raising or Lowering Wheel.

EXCELSIOR HORSE HOE AND CULTIVATOR.

WITHOUT LEVERS.



Both Frame and Shanks are made of best Spring Steel.

With frame and shanks made from the best grade of spring steel and handles and framework neatly painted, we challenge comparison with all others. As shown in above cut, the hillers are reversible, giving double wear, and standard can be adjusted to hill more or less as desired. By changing the hoes, which is quickly done, the earth can be thrown away from the crops. We supply, at a small increase of price, two additional steel teeth and standards, also an extra steel for back standard; with this arrangement it becomes a good, thorough pulverizing Cultivator. By moving the back tooth to the forward part of the frame, and removing the two cultivator teeth, you have an excellent arrangement for furrowing or hilling between narrow rows.

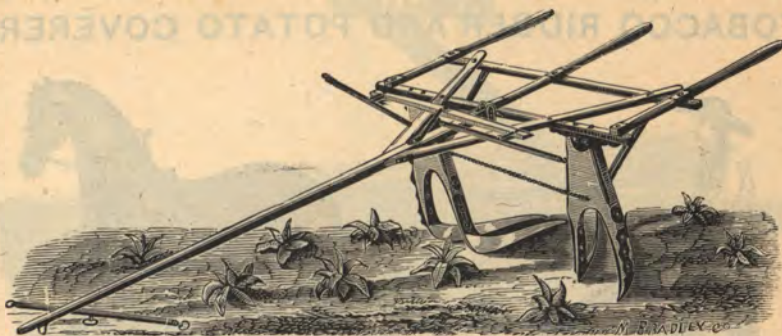
PRICE LIST.

	Draw Iron.	Draw Iron and Wheel.
Excelsior Cultivator,	\$6 00	\$7 00
Excelsior Horse Hoe, as shown in cut,	7 00	8 00
Excelsior Horse Hoe and Cultivator combined,	9 00	10 00

Extra for Lever Expander, \$1.00. Extra for Wheel Adjuster, \$1.00.

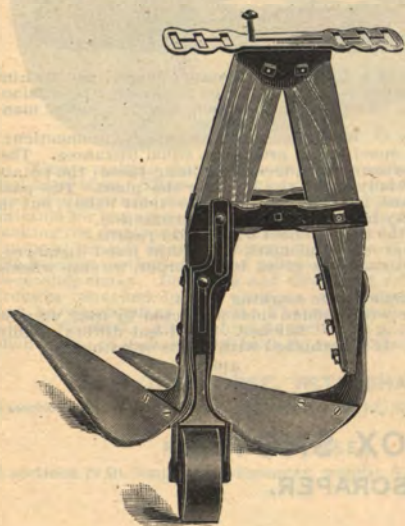
These attachments cannot be applied to old pattern Cultivators.

PROUT'S HOEING MACHINE.



DESCRIPTION.

To those unacquainted a brief description of this machine will undoubtedly prove of interest. Each Standard as shown in the cut has two Hoes attached, and in working one set of Hoes work on one side of the hill and the other set on the opposite side, hoeing a row at a time. The Hoes operate same as a Hand Hoe, moving fresh earth to the plant, and crowding the old dry earth away from the plant, the work being done much more quickly and thoroughly than when hand hoes are used.



Unlike the Cultivators and Horse Hoes now in common use, *the whole surface* for the distance of two feet, more or less, on each side of the plant is cut over, and all the weeds are removed. The Hoes being made tapering permit of cutting close up to the plant, without injury to corn roots which run close to the surface.

This feature of all others should bring this tool before the attention of all growers of corn, as it is pre-eminently the one tool of all others especially adapted to its cultivation.

This cut shows one section of the Hoe, with improved standard and gauge wheel. The wheel will be found of great benefit on mellow ground, as a uniform depth can be maintained, with much better results. In going to or from the field the machine can be thrown entirely on the wheels by sliding the back end of the pole to the bottom of the slot and lowering the wheels as much as possible.

OF INTEREST TO TOBACCO AND POTATO GROWERS.

Not only is the Prout Hoe the tool for level land and shallow cultivation, but as the position of the hoes can be readily changed it is equally adapted for ridging land, or removing weeds from a ridged surface. The long hoes also permit the working close under the leaves, even when the plant is full grown.

These features alone have so commended its use among the growers of tobacco in the Connecticut Valley and New York State that for years it has been the leading tool in those sections.

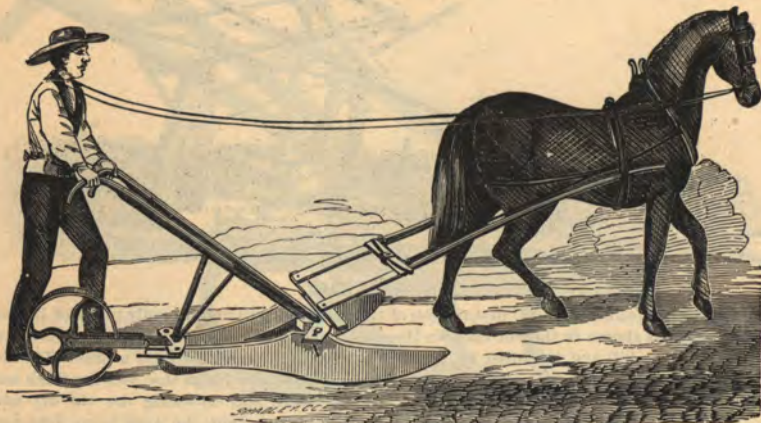
The same features which have made the Prout so pronounced a favorite with tobacco farmers, have made it equally well received wherever introduced in the cultivation of the potato crop, as this tool, while it can be used for making the hill, is very effective in the removal of all weeds, from the same, and can be worked to good advantage under vines where a common cultivator would be useless.

In fact, it may be truthfully claimed, that there is no tool now before the farmer for a like purpose that possesses so large a range of work, and that so excellently meets all the requirements for the thorough cultivation of the soil for all root crops, and for the effectual removal of that prime destroyer of the profits of the farm—the weeds.

PRICE.

Medium or Common Size,	\$25 00
Medium or Common Size, with Wheels,	27 00

GOSLEE'S AND "IDEAL" TOBACCO RIDGER AND POTATO COVERER.



This machine was invented by D. W. Shares, as a Ridger and Potato Coverer, and by him was manufactured to a limited extent; and wherever it was introduced it gave entire satisfaction as a Potato Coverer, as well as Ridger, doing the work of three men, and in a better manner.

The Ridger was improved and patented by O. W. Goslee, of Glastonbury, Connecticut, and a marking wheel was attached with points spacing the ground at equal distances. The smoothing plate that the machine rides on passes over the ridges, smoothing them; the points of the wheel not only space the ground, but partially make the hole for the plant. The past few years these Ridgers have been extensively used, not only in the Connecticut Valley, but in all the tobacco regions of our country, and in every instance have given satisfaction.

No implement has ever been introduced into the tobacco field with better results. Our marking wheels are made to space the ground and mark at certain fixed distances; that is, 16, 18, 20, 22, 24, 26, and 30 inches. If no distance is given in the order, we ship wheels to space 24 inches.

For covering potatoes it is only necessary to remove the marking wheel.

In addition to Goslee's patent, which we make with wooden sides protected by iron, we now manufacture "The Ideal," made formerly by B. & J. W. Belcher. The Ideal differs mainly from the above in having the sides made of iron. It is furnished with shafts or with pole.

Price, Plain,	\$10 00
Price, with Marker,	13 00

CAST IRON OX SHOVEL OR ROAD SCRAPER.

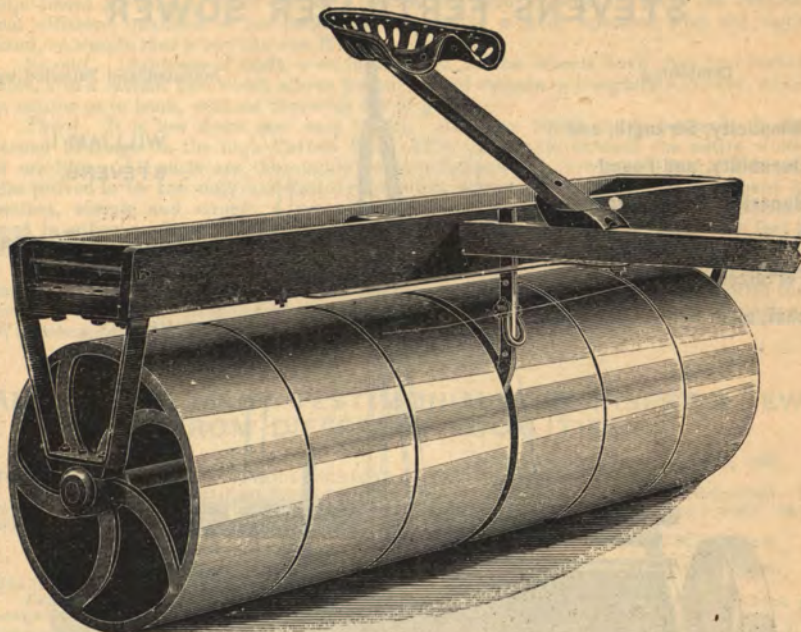


Our Scrapers are made from the best plow iron, and are very strong and durable. This kind proves to be far superior to any other for road making, filling hollows, leveling hills, digging cellars, etc., and they are found to be very convenient on every farm and plantation. We manufacture six sizes.

PRICE LIST.

Number.	Size, Width.	Price.	Number.	Size, Width.	Price.
1	27 in.	\$6 00	3	28 in.	\$10 00
2	28 "	7 50	4	31 "	12 00
2½	30 "	9 00	5	34 "	15 00

LAND ROLLERS



We are making this pattern with new and improved attachments for handling both horse and hand sizes. The sections are made of cast iron, are smooth and perfectly round. We find cast sections are preferable to steel, as thin shells of steel are easily punctured and not suitable for use among the sharp rocks so frequently encountered on New England farms. By making the sections twelve inches only in length the rollers turn easily and do not wallow the land and leave it uneven at turning points. We use high carbon bar steel axles, closely fitting the holes in sections, and find rollers so constructed run easily and will wear a lifetime without becoming shaky. Both one and two horse rollers are provided with seats. They have oak troughs attached to the sections, with steel hangers, and can be weighted as desired. The woodwork is painted and nicely finished. All sections 24 inches in diameter have $1\frac{1}{4}$ inch axles; 20 inch sections have $1\frac{1}{4}$ inch axles.

FOR ONE HORSE, WITH SHAFTS.

4 sections 12 in. long, 24 in. diameter, weight, 830 lbs., . . \$40.00

FOR TWO HORSES.

6 sections 12 in. long, 24 in. diameter, weight, 1,270 lbs., \$55.00

HAND ROLLERS.

1 section 12 in. long, 20 in. diameter, weight, 175 lbs.,	\$ 9.00
2 sections 12 in. long, 20 in. diameter, weight, 340 lbs.,	16.00
1 section 12 in. long, 24 in. diameter, weight, 215 lbs.,	12.00
2 sections 12 in. long, 24 in. diameter, weight, 435 lbs.,	20.00

Other sizes made to order. The handles are made as shown in cut, with pipe brace at bottom, which prevents the side braces from coming in contact with ends of sections.

We also make to order two sections wood stave field rollers from 24 to 32 inches in diameter.



STEVENS FERTILIZER SOWER

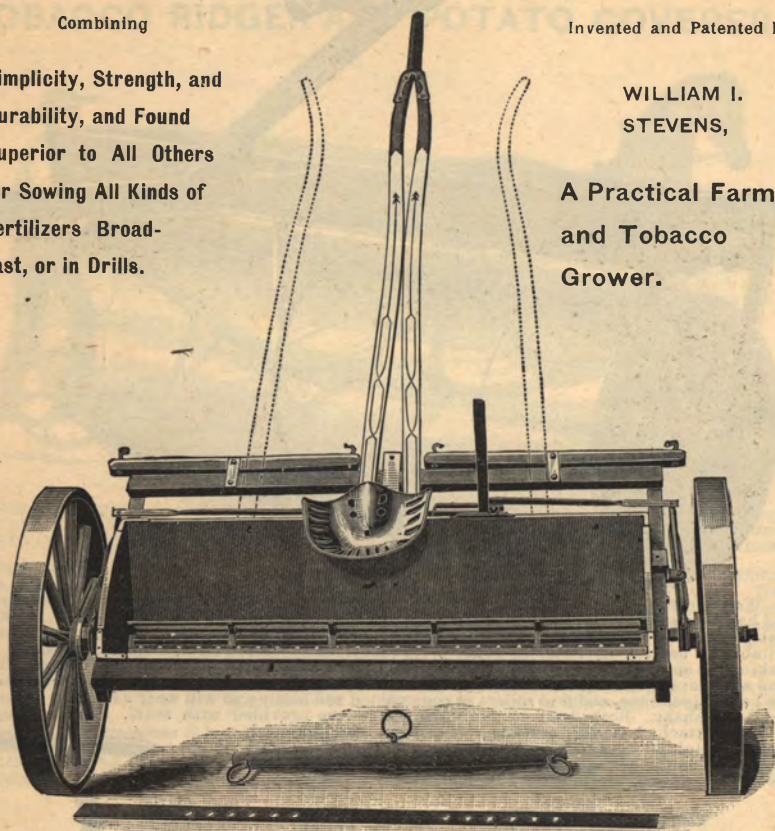
Combining

**Simplicity, Strength, and
Durability, and Found
Superior to All Others
for Sowing All Kinds of
Fertilizers Broad-
cast, or in Drills.**

Invented and Patented by

**WILLIAM I.
STEVENS,**

**A Practical Farmer
and Tobacco
Grower.**



THE IMPROVEMENTS MADE IN 1897 and 1898

Have Proved Valuable and are Described as Follows:

Combined Pole and Shafts with Neck Yoke and Whiffletrees, all complete for hitching on either two horses or one, will be sent with all machines unless ordered with shafts only. In making this combination, Bent or Crooked Shafts are used, overcoming the great objection made to Straight Shaft Combination.

Adjustable Gauge. This gauge is attached to top of box as shown in cut. When the lever rests against the left hand button the holes in bottom plates are closed. When the lever is in the right notch to sow the desired quantity to the acre, the right hand button is moved up against it and fastened with thumb nut. After the adjustment is made, the lever is simply swung from right to left button to close holes, and left to right to get correct gauge for sowing.

The Springs on the dogs in collars do not rest on revolving axle as formerly but on pins cast in collars, which prevents their wearing out.

First. This machine can be set in motion by a lever operated with the foot. The adjustment for sowing from 200 to 4,000 lbs. per acre (depending upon the dryness and different qualities of the fertilizers) is made by a lever operated with the right hand, so simple that a boy can run it.

Second. Lightness of draft, even in soft land, as the wheels have tires four inches wide, also a ratchet hub which allows the turning of corners or completely around, while in motion or to back, without throwing out of gear.

Third. It is low down and easy to fill. Hubs are bored out and closely fit the turned bearings on the high Carbon Steel Axle. The axle extends the entire width of machine. All parts are thoroughly constructed and this Sower will last a lifetime. Has proved to be the only satisfactory fertilizer sower manufactured. Adjustment is perfect, simple and strong, a great improvement over the complicated adjustment used in other sowers. It sows 5 feet 10 inches wide. Extra large size sows 8 feet 3 inches. The price is within reach of every farmer.

The success of the above Fertilizer Sower has been beyond the inventor's most sanguine hopes. It has proved *all* and even *more* than was claimed for it, and with the *new* and *valuable improvements* it is far in advance of any other sower on the market. We *guarantee perfect satisfaction* on every machine.

AMONG THE MANY TESTIMONIALS WE INSERT A FEW FROM DIFFERENT LOCALITIES.

MAGNOLIA, OHIO, Sept. 5, 1900.

THE BELCHER & TAYLOR AGRICULTURAL TOOL CO., Chicopee Falls, Mass.

Gentlemen:—The Fertilizer Sower bought of you this fall gives the best of satisfaction. I sowed lime, which is the most difficult fertilizer to sow. I can sow anything I wish. My neighbors think it takes the cake.

Yours very truly,

A. J. FINEFROCK.

FACTORYVILLE, PA., Dec. 20, 1902.

BELCHER & TAYLOR AGRICULTURAL TOOL CO., Chicopee Falls, Mass.

Dear Sirs:—In reply to yours of the 12th inst., the Stevens Fertilizer Sower which I bought of you last March beats any machine I have ever seen yet for sowing fertilizer. It sows so evenly and handles so easily that it is a pleasure to use it. I sowed fertilizer, salt, ashes, and lime, and I believe the machine has paid for itself this season.

Yours truly,

A. E. SEAMANS.

ARKPORT, N. Y., Dec. 15, 1902.

BELCHER & TAYLOR AGRICULTURAL TOOL CO., Chicopee Falls, Mass.

Gentlemen:—I have had three of your Stevens Fertilizer Sowers, and they have all given the very best of satisfaction. One of the parties told me to-day that if he could not get another one like it, he would not take one hundred dollars for his machine.

Yours truly,

HIRAM ELLIS.

ROCKLAND, ONT., Oct. 21, 1899.

BELCHER & TAYLOR CO.

Dear Sirs:—Enclosed we beg to hand you N. Y. draft to cover invoice for Fertilizer Sower, and in addition we wish to return our thanks for sending us so useful and satisfactory a machine. It does the work admirably and far exceeds our expectation.

Yours,

W. C. EDWARDS & CO.

ZELIENOPLE, PA., Dec. 12, 1902.

BELCHER & TAYLOR AGRICULTURAL TOOL CO., Chicopee Falls, Mass.

Gentlemen:—The Stevens Fertilizer Sower I bought of you last March has given good satisfaction for a lime distributor.

Yours truly,

FRED ZEHNER.

GRAND RAPIDS, MICH., Jan. 23, 1903.

Gentlemen:—The Stevens Fertilizer Sower you sent me in April last has given excellent satisfaction.

Yours truly,

B. W. PUTNAM.

BELCHER & TAYLOR AGRICULTURAL TOOL CO.

PORTLAND, ME., Nov. 8, 1900.

Gentlemen:—I have sown with my Stevens machine this fall nearly 50 tons of fertilizer, and I assure you it is a perfect machine.

Yours truly,

A. WHITNEY OF KENDALL & WHITNEY.

YPSILANTI, MICH., Dec. 18, 1902.

BELCHER & TAYLOR AGRICULTURAL TOOL CO., Chicopee Falls, Mass.

Gentlemen:—Mr. Emerick, to whom we sold a Stevens Fertilizer Sower, says that the machine was entirely satisfactory in every respect. He used it to sow over one hundred acres, and says it is impossible to find any fault with it. Mr. Emerick is as practical a farmer as we have in this community, and his judgment is considered good on any class of farm machinery.

Yours very truly,

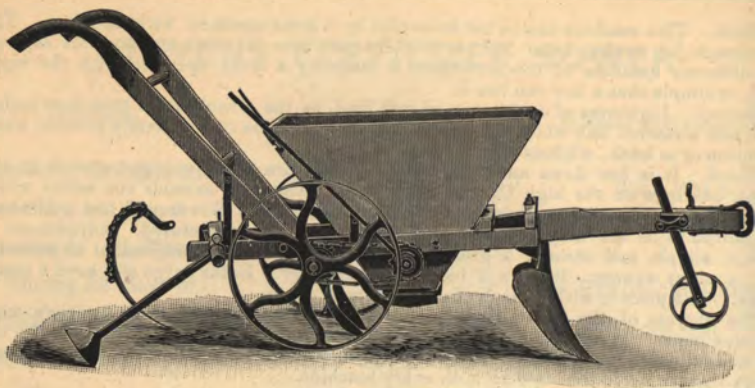
O. E. THOMPSON & SONS.

HAMPTON NORMAL AND AGRICULTURAL INSTITUTE, HAMPTON, VA., June 26, 1899.

MR. G. S. TAYLOR, Chicopee Falls, Mass.

Dear Sir:—We are much pleased with the Stevens Fertilizer Sower which you shipped us in March last. It has done excellent work in every trial, except when the fertilizer was wet, which, of course, is no fault of the machine. We use special home mixtures, which this spring were made up from kainite, sulphate of potash, muriate of potash, nitrate of soda, bone meal, and fish scrap; the last two mentioned were coarse materials, and gave the machine a good test.

Very truly, W. S. SWEETER.



PERFECTION DRILL AND FERTILIZER SOWER.

The Fertilizer Agitating Cylinder in the hopper is driven by both wheels. The gears are protected from dirt with a shield around them on the under side. This machine will form a drill from 3 to 10 inches deep, and will drop into the drill commercial fertilizers at the rate of 100 to 3,000 pounds per acre, as desired. The scrapers shown between the wheels are adjustably attached to the axle and can be placed where necessary to cover the fertilizer with dirt as desired. If preferred to mix soil with fertilizer the tooth shown in rear of machine can be used.

The fertilizer sowing device is the same that we use on the Stevens Broadcast Fertilizer Sower and has proved superior to every other for perfect work in the distribution of fertilizers and is now in extensive use in many states.

Price,

\$18.00

We also make a machine especially for sowing fertilizers between the rows of growing crops. It is in demand by tobacco growers.

Beautiful Lawns can only be Obtained by an Even Distribution of Fertilizers.



THE STEVENS HAND FERTILIZER SOWER

Does the work perfectly, sowing all kinds of lawn dressing and other commercial fertilizers, wood ashes, lime, etc., in large or very small quantities. It can also be successfully used for fertilizing strawberry beds, and other garden and field work; is excellent for sifting wood or coal ashes, sawdust or dry sand on icy walks; will also sow damp sand by removing two blades.

The hopper is 34 inches long and holds one and one-half bushels. Weight of machine, 83 pounds. It is well made and nicely painted.

Price,

\$12.00

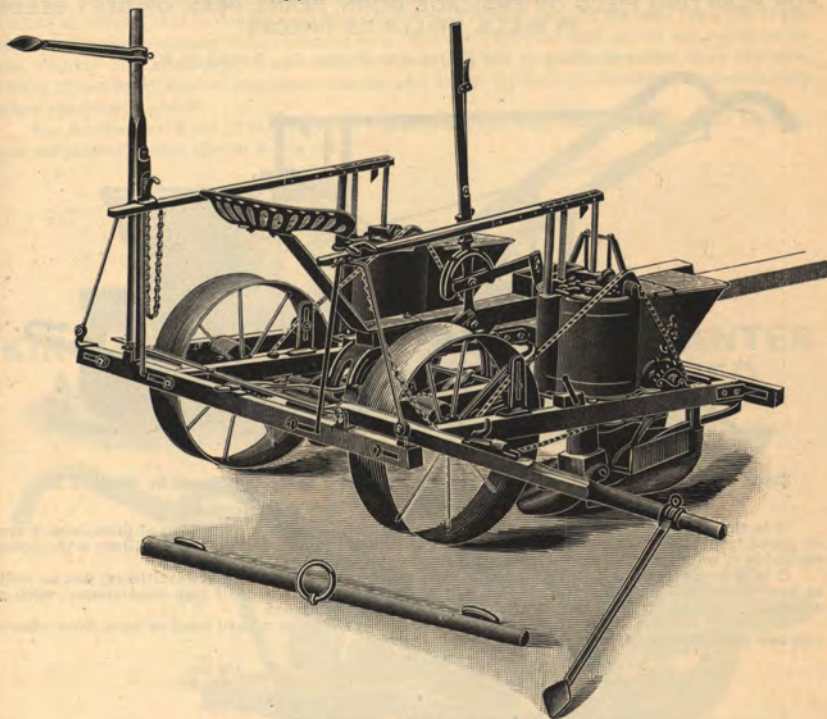
DIRECTIONS FOR USING.

When loaded, pull the machine and it will remain out of gear, push it and it will be in gear and ready for work. Open holes in bottom plates to sow the desired quantity by swinging the lever to the left as you stand in front facing the machine.

If it is preferred to push the machine when loaded and pull it when at work change the wheels and ratchets from end to end.

ECLIPSE DOUBLE ROW CORN PLANTER.

The Most Complete, Accurate, Durable, and Easily Handled Double Row Corn Planter in the Market.



During the season of 1903 this machine was thoroughly tested, and proved highly satisfactory in every respect. A large number will be made for the season of 1904.

TESTIMONIALS.

BELCHER & TAYLOR Co.

CHATEAUGAY, N. Y., August 10, 1903.

Gents:—I have sold three of your double row Eclipse Planters this year, which have given perfect satisfaction. I have also sold as high as twelve of your single row Planters in one season: this speaks pretty well for the Eclipse. The name ECLIPSE does the work.

Respectfully yours, D. E. ADAMS.

THE BELCHER & TAYLOR AGRICULTURAL TOOL CO.

NO. ANSON, ME., August 15, 1903.

Gentlemen:—Replying to yours of the 6th will say that the two row Eclipse Corn Planter purchased of you has proven entirely satisfactory. We planted 30 acres of corn this season without a skip and dropped 200 lbs. of fertilizer per acre with a variation of only one bag for the entire field. This I consider extremely accurate, particularly when we consider that the corn was dropped in various ways: 4 acres in hills 12 in. apart, 18 acres in hills 24 in. apart, 8 acres in hills 36 in. apart. 200 lbs fertilizer was drilled to the acre in every case.

Yours, etc., D. W. CASWELL.

OAKDALE FARM—SLOCUMS, R. I., August 21, 1903.

BELCHER & TAYLOR AGRICULTURAL TOOL CO.

Dear Sirs:—The two row Eclipse Corn Planter you shipped me the past spring proved to be as near perfect as can be wished. We have given it a severe test, planting over 100 acres with it, on all kinds of land and even running in the rain. The positive drop of fertilizer and even depth of drop of seed is very valuable and the ease of handling and spacing straight rows is a luxury at planting time not to be had by any other planter I know of.

Very truly yours, ALLEN N. HOXSIE.

THE BELCHER & TAYLOR AGRICULTURAL TOOL CO.

HAGUE, VA., August 11, 1903.

Gentlemen:—Yours of 8th inst. at hand and noted. In reply will say I received the double Planter all in good order and find it in every respect fully up to the high standard of the single Eclipse Planter; in some respects it is better. I planted 20 acres to corn on wheat stubble and have at this writing best prospect for corn I ever had or saw; also planted 12 acres to peas and find the machine accurate in every way.

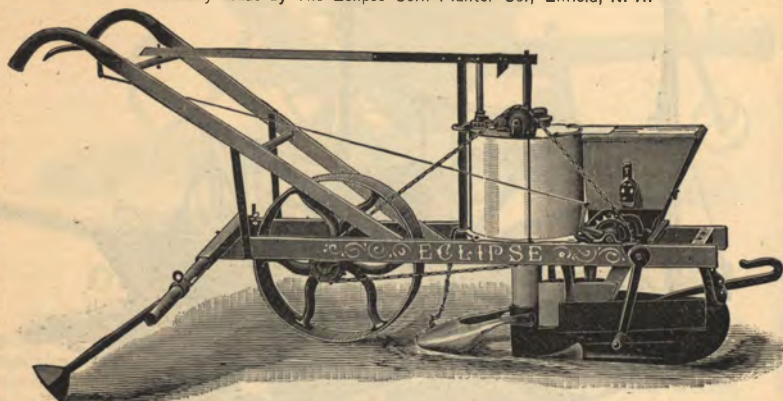
Yours truly, T. M. ARNEST.

ECLIPSE CORN PLANTER

And Fertilizer Distributer Combined,

FOR PLANTING FIELD OR ENSILAGE CORN, BEANS, PEAS, OR BEET SEEDS
IN HILLS, DRILLS OR CHECKS.

Formerly Made by The Eclipse Corn Planter Co., Enfield, N. H.



Check Attachment as Seen on Planter Handle and Frame in the Cut Should be Attached Only
When Planting in Checks.

It is the only planter on the market which has concave places each side of plow, which are of great importance in placing moist earth on the seed, just before the fertilizer is dropped each side of seed—a great advantage on a very dry ground or in a dry season.

It is the only planter that will accurately distribute all commercial fertilizers, wet as well as dry, pulverized hen manure, plaster, ashes, and other fertilizers of like consistency, with a certainty. It is a superior planter in matter of doing good work.

A good way to show the working of any planter is to try on a hard road or barn floor where you can see dropping of seed and fertilizers wet or dry.

Weight,	150 lbs.
Price,	\$25.00

READ THE FOLLOWING FACTS.

It is the only planter that will accurately distribute all commercial fertilizers, wet as well as dry, pulverized hen manure, plaster, ashes, etc., in given amounts per acre, in hill, drill, or check. The parts being positive and automatic in their working, there is no guesswork as to its accuracy. It is the only planter with a simple and practical marker attachment.

The seed is deposited in the center of furrow made by the plow, which is constructed with concave places on each side in front of seed gate; these form beads of moist earth, which are cut off by knife edge, just back of seed gate and fall on the seed. The fertilizer is taken from top of hopper by a revolving scraper, is drawn to the center and falls through the tube on to the valve, which opens and lets the fertilizer drop on each side of seed. All is then covered at a uniform depth and rolled, which gives a quick growth and even stand. All the above operations are performed by passing over the row once.

Our planter is easily adjusted to drop seed and fertilizers in hills, drills, or checks as follows: It will drop 6, 12, 24, or 36 inches by using sprocket wheel No. 15 on seed roll shaft, or will drop 7, 15, 30, or 45 inches by using sprocket wheel No. 16. Sprocket wheel No. 16 can be applied to any Eclipse planter now in use.

When the planter is set to drop in hills, no kernels can be scattered between the hills.

Six changes can be made for the amount of fertilizer used, varying from 50 to 450 lbs. per acre, by simply inserting pins or turning a thumb nut on the cover without removing the contents of hopper.

As small amounts as 50 lbs. per acre can be dropped, wet or dry, with just the same degree of certainty as 200, 300, or 450 lbs. per acre. We make to order a special gear for dropping 600 lbs. per acre.

Scattering pumpkin or squash seeds in with fertilizers when filling hopper will place seeds in hills when planting corn.

A bell is attached inside the seed hopper, which rings when the seed is nearly out.

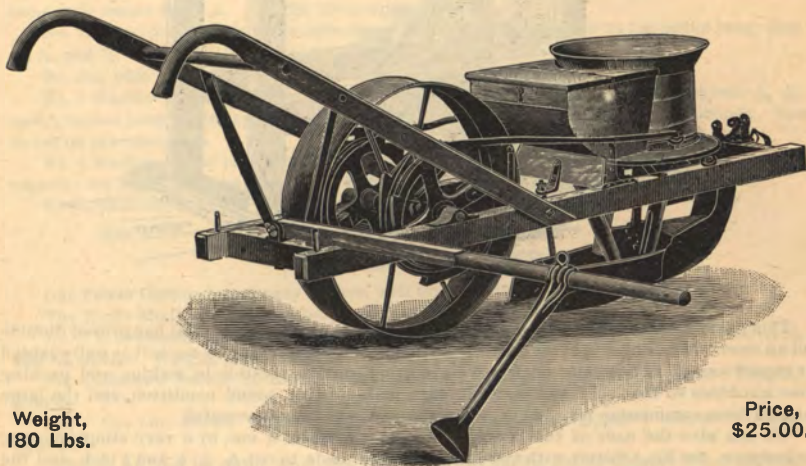
It is adapted for use on rough and stony ground, also for furrowing out and dropping fertilizers for potatoes.

Full directions with each planter will enable anyone to operate it satisfactorily.

Our positive check row attachment will check in the seed and fertilizer any desired distance regardless of any irregularity in marking of rows, or unevenness of the ground. Unlike all others, it is so constructed that the dropper cannot deposit the seed for a hill in the tube until the one already in has been let out. The seed dropper and valves are operated by the Planter and are simply controlled by a touch of the finger as it passes over the row. Check attachment, as seen on planter handle and frame in the cut, should be attached *only when planting in checks*.

The Eclipse and King of the Cornfield Planters are the only ones that have the right to use the patent marker shown in the cuts.

KING OF THE CORNFIELD CORN PLANTER AND FERTILIZER SOWER COMBINED.



Weight,
180 Lbs.

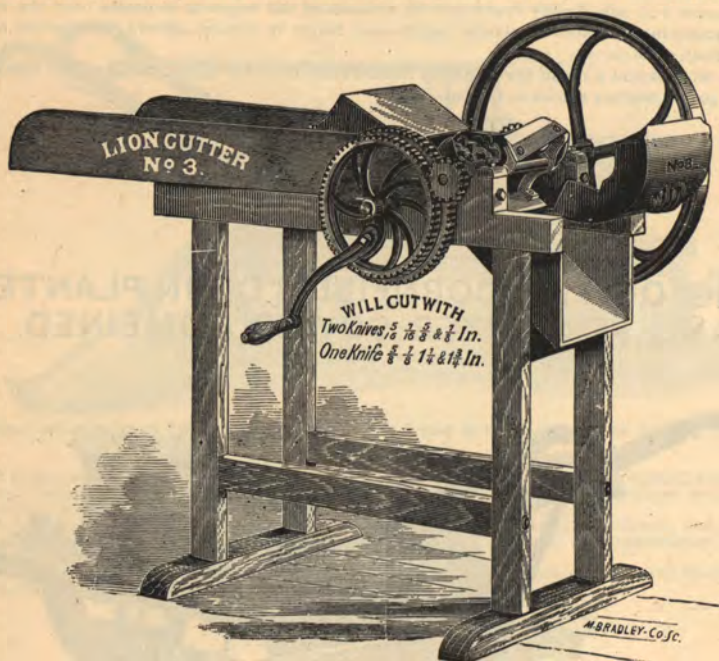
Price,
\$25.00.

Patented June 18, 1889, April 11, 1893, and April 29, 1902.

Plants Corn, Beans, Peas, Beet and Other Seed of Like Size.

Special award of the Maine State Agricultural Society of Grand Silver and Gold medals in 1892, '93, '94, and '95. This is the only machine made that can plant two kinds of seed in alternate hills. The concave wheel covers the corn nicely. This planter has been greatly improved by us, and has a large and increasing sale. It is handled by the largest jobbers of agricultural machinery in this country. We have thousands of testimonials of their superior merits from dealers and users. Send for circular.

THE LION FEED CUTTER.



This pattern of Feed Cutter has been in the market several years, and has proved durable and an excellent machine in every respect. Being strong and compactly made it is well adapted for export as well as domestic trade. We use every caution possible in making and packing these machines so that they will reach foreign markets in a sound condition, and the large demand from commission merchants proves that we have been successful.

We can give the user of this machine different lengths of cut, by a very simple device; for instance, the No. 3 Cutter with two knives can be made to cut $\frac{5}{8}$, $\frac{7}{8}$, $\frac{3}{4}$, and $\frac{1}{2}$ inch, and the same size machine with one knife will cut $\frac{5}{8}$, $\frac{3}{4}$, $1\frac{1}{4}$, and $1\frac{3}{4}$ inches. The change from one length to another can be made in less than one minute.

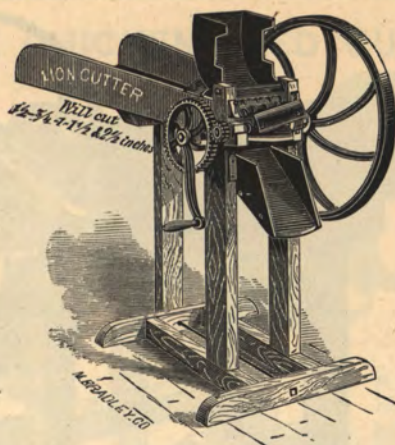
The working parts of the Lion Cutter, which comprise the Feed Rolls, Knife, and Bed Piece, or Stationary Knife, are confined in Iron Sides, and strongly secured to the frame in such a manner as to give it strength and durability in the most convenient and compact manner. After experimenting for some time we have adopted a style of knife best adapted to give ease in cutting and strength to the knife.

The Metal Bed Piece or Stationary Knife is so thoroughly hardened that it cannot be drilled or filed, and at the same time is strong, not liable to break or wear. Its relative position to the revolving knives is such as to give the Cutter an easy shearing cut, and by a new and simple device is moved to and from the revolving knives as necessary to make a clean cut.

The Knives and Rollers are securely covered, guarding against danger from the working parts of the machine. All sizes of these machines will cut the various kinds of fodder, even the smallest sizes cutting corn stalks easily.

Our aim to give the best possible machine for the money has been successful.

The Frames are made of the best material, neatly and strongly put together with joint bolts, making it a desirable Cutter for packing, either for domestic or foreign trade.



DESCRIPTION OF SIZES.

No. 1 Machine, as shown in the above cut, has two knives $6\frac{1}{4}$ inches long; cuts $\frac{1}{8}$, $\frac{3}{8}$, and $1\frac{1}{8}$ inches long. Weight, 110 pounds.

No. 2 Machine has two knives $7\frac{1}{4}$ inches long, good capacity; cuts $\frac{1}{8}$, $\frac{3}{8}$, and $1\frac{1}{8}$ inches long same style frame as No. 1. Weight, 128 pounds.

No. $2\frac{1}{2}$ Machine is made same style frame as No. 3, with two knives $7\frac{1}{4}$ inches long; cuts $\frac{1}{8}$, $\frac{3}{8}$, and $\frac{5}{8}$. Weight, 144 pounds.

No. $2\frac{1}{2}$, with one knife, cuts $\frac{1}{8}$, $\frac{3}{8}$, $1\frac{1}{4}$, and $1\frac{1}{2}$ inches.

No. 3 Machine, with two knives $8\frac{1}{2}$ inches long, is the favorite Hand Machine; cuts $\frac{1}{8}$, $\frac{3}{8}$, $\frac{5}{8}$, and $\frac{7}{8}$ inches long. With one knife, cuts $\frac{1}{8}$, $\frac{3}{8}$, $1\frac{1}{4}$, and $1\frac{1}{2}$ inches. Weight, 155 pounds. Shown in cut on previous page.

No. 4 Machine is our largest size Hand Machine; has two knives 10 inches long, with great capacity for Hand Machine; length of cut, $\frac{1}{8}$, $\frac{3}{8}$, $\frac{5}{8}$, and $\frac{7}{8}$ inches. Weight, 179 pounds.

No. 4 Machine, with one knife, cuts $\frac{1}{8}$, $\frac{3}{8}$, $1\frac{1}{4}$, and $1\frac{1}{2}$ inches.

Power Cutters.

Our Power Cutters have heavy frames, well braced, like cut on following page.

The Knife Shafts are made of best machinery steel.

No. 5 is our smallest Power Machine; has two knives 10 inches long; length of cut, $\frac{1}{8}$, $\frac{3}{8}$, $\frac{5}{8}$, and $1\frac{1}{4}$ inches. Weight, 210 pounds.

No. 6 has two knives 11 inches long; length of cut, $\frac{1}{8}$, $\frac{3}{8}$, $1\frac{1}{4}$, and 2 inches. Weight, 320 pounds.

No. 7 has two knives 13 inches long; length of cut, $\frac{1}{8}$, $\frac{3}{8}$, $1\frac{1}{4}$, and 2 inches. Weight, 340 pounds.

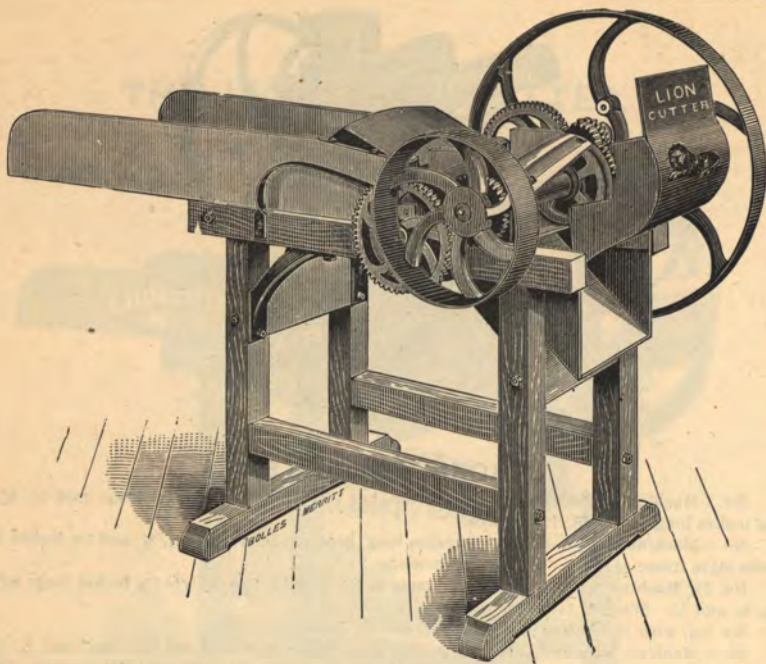
Our Nos. $6\frac{1}{2}$ and $7\frac{1}{2}$ differ from Nos. 6 and 7 only by having Safety Balance Wheels, which are so attached to the knife shaft that if by accident a piece of iron or other solid substance should get into the machine, the pulley and balance wheel will detach themselves from the cutting portion of the machine and revolve loosely on the shaft, leaving the knives stationary, thus securing safety to both the operator and the machine.

As usually sent out, the pulley on above power machines is attached to the end of the knife shaft on the right hand side, but when so ordered will be attached to the balance wheel on the left hand side of machine. An oil cup covered is placed over each bearing, keeping out all dust and preventing waste of oil.

No. 10 is a very large, strong, and powerful machine, with 16-inch knives; weighs 500 pounds, and has the Safety Balance Wheel, which is on the right hand side of the machine. Cuts same length as Nos. 6 and 7.

No. 12 is still larger and stronger, and has a 20-inch knife, with the Balance Wheel and Driving Pulley same as No. 10, and cuts same length.

The Lion Power Cutters are strong and compactly made, and are giving excellent satisfaction. The feeding apparatus is so constructed and arranged that the feed rollers will expand so as to take in a very large body of feed, and for the length of knives are the most rapid Cutters made. The springs for the feed rolls are the best spring steel, and will neither break nor fail.



Nos. 5, 6, and 7.

Cutting Ensilage.

Cutting Green Vegetable Matter is much more difficult than cutting dry feed, and many Cylinder Cutters which will cut dry feed satisfactorily will fail entirely on green fodder.

With this in view we have gone over the patterns of our No. 6 Lion and the larger sizes, and improved them as follows, viz. : Gearing both Feeding Cylinders so that they will run with same speed at point of contact, whether cutting long, medium, or short lengths, raising the Feed Rolls, so that the friction of the Feed is removed from the bottom of the Cutter.

The Balance Wheel of the new sizes will always be on the right hand side of the machine, leaving the left hand side, where the feeder stands, with nothing in the way. The Boxes in which the Knife Arbor revolves are made wider and are less liable to wear. We use a new Bonnet over these Knives, giving more room for the cut feed to escape. Our improvements are applied to

No. 11, which is same in size and price as Nos. 6 and 6½.
 " 13, " " " " " " " " " " " 7 " 7½.
 " 16, " " " " " " " " " " " 10.
 " 20, " " " " " " " " " " " 12.

With these improvements we have the most perfect Cutter in the market for either dry or green feed.

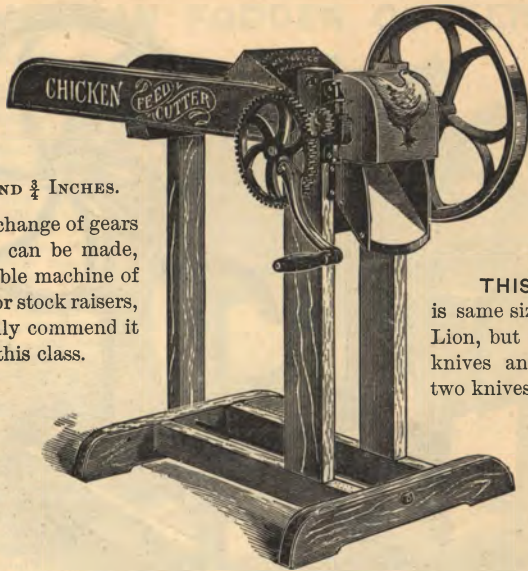
PRICE LIST.

No. of Cutter.	No. of Knives.	Length of Knives.	Length in inches of Feed Cut.	PRICE.
1	2	6½ in.	1½, ¾, and 1½	\$18 00
2	2	7½	1½, ¾, and 1½	21 00
2½	1	7½	¾, ¾, 1½, and 1½	21 00
2½	2	7½	¾, ¾, 1½, and 1½	23 00
3	1	8½	¾, ¾, 1½, and 1½	25 00
3	2	8½	¾, ¾, 1½, and 1½	27 00
4	1	10	¾, ¾, 1½, and 1½	30 00
4	2	10	¾, ¾, 1½, and 1½	33 00
5	2	10	¾, ¾, 1½, and 1½	35 00
6	2	11	¾, ¾, 1½, and 1½	45 00
6½	2	11	¾, ¾, 1½, and 1½	45 00
7	2	13	¾, ¾, 1½, and 1½	60 00
7½	2	13	¾, ¾, 1½, and 1½	60 00
10	2	16	¾, ¾, 1½, and 1½	80 00
12	2	20	¾, ¾, 1½, and 1½	100 00
11	2	11	¾, ¾, 1½, and 1½	45 00
13	2	13	¾, ¾, 1½, and 1½	60 00
16	2	16	¾, ¾, 1½, and 1½	80 00
20	2	20	¾, ¾, 1½, and 1½	100 00

THE CHICKEN FEED CUTTER.

CUTS $\frac{1}{4}$, $\frac{7}{16}$, AND $\frac{3}{4}$ INCHES.

By a simple change of gears the longer cut can be made, giving a desirable machine of fair capacity for stock raisers, and we specially commend it to all users of this class.



THIS CUTTER is same size as the No. 1 Lion, but this has three knives and the Lion has two knives.

INVALUABLE TO POULTRY RAISERS.

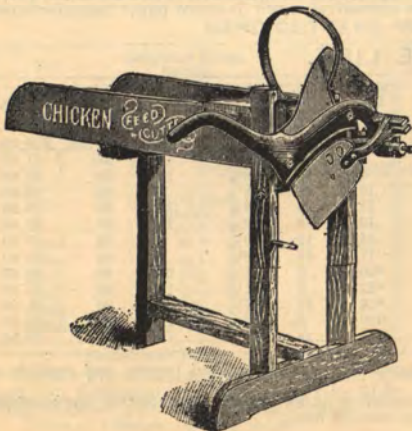
This is a highly efficient machine for cutting clover hay or other feed into extremely short lengths. It is made with three knives $6\frac{1}{4}$ inches long, and a Self-Feeding Comb Roller which straightens the feed as it is presented to the knives, making a more uniform length of cut. It cuts very rapidly, being one of the fastest machines of its size now upon the market.

Besides being of use to poultrymen, it will be found well adapted to egg packers' purposes, manufacturers of horse collars, etc., and all places where short lengths are wanted.

The Cutters are strongly made and nicely finished, making a highly ornamental machine, and will prove a good addition to all selling Feed Cutting Machines.

Price, No. 1, . . . \$18 00

THE CHICKEN LEVER FEED CUTTER.

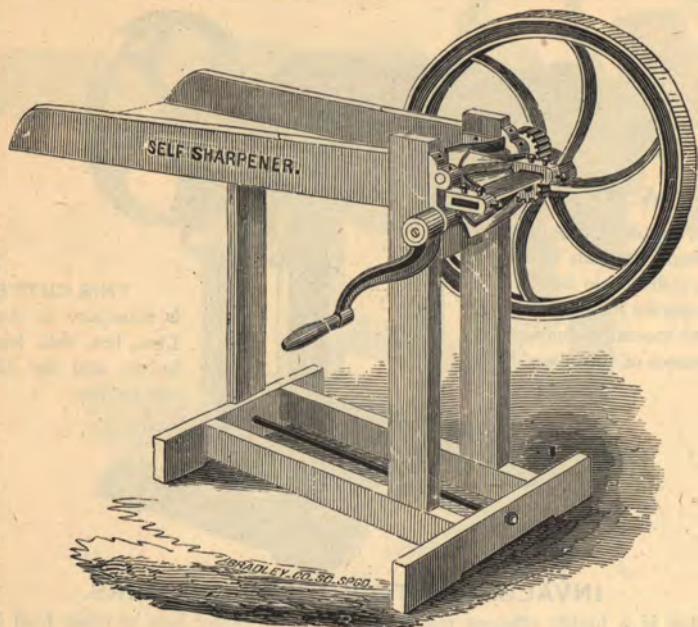


This is a Hand-Feeding Machine adapted to the same purposes as the one spoken of above, but less rapid in its operation, and offered at a less price.

The raising of the lever opens the gate and allows the feed to be pushed forward, while the down pressure holds the feed securely under the knives without slipping, and either a long or short cut can be made. It will be found of great convenience by all users.

Price, No. 0, . . . \$5 50

SELF-SHARPENING FEED CUTTER.



This Cutter was the first agricultural implement made by Mr. Belcher, and its introduction brought him into notice; it took the First Premium of the New England Agricultural Society, at their first exhibition in Springfield in 1864, at Concord in 1865, and at all its subsequent exhibitions when exhibited, and hundreds of premiums at State and County Fairs, both as a Hay and Straw Cutter, and also as a Corn-stalk Cutter, competing with many of the most approved Feed Cutters now on the market.

Its great popularity, with increased facilities since acquired, have enabled Mr. Belcher and his successors to place this Cutter upon the market in great numbers. We have made and sold over 43,000 of these machines, many of them having been sent out of the country.

One man with this machine can cut as fast and easy as two men with other kinds, cutting the same length; it makes a clean, smooth cut, and is more durable and easier operated and sharpened than any other Feed Cutter in the market.

We do not recommend the sizes smaller than No. 3 for cutting corn stalks, although many farmers cut stalks with a No. 0 Cutter.

The cutters can be readily "knocked down" for boxing, as they are put together entirely with screws and bolts. A dozen Cutters boxed, occupy but little space and are looked upon by shippers as desirable freight. We manufacture twenty-six different sizes of this machine; prices from ten to eighty dollars. Our large sizes are extensively used by straw paper manufacturers for cutting straw and other paper stock.

PRICE LIST.

No. of Cutter.	No. of Flanges.	Length of Flanges.	Length of Cut.	W't of Balance Wheels.	Price.	No. of Cutter.	No. of Flanges.	Length of Flanges.	Length of Cut.	W't of Balance Wheels.	Price.
0	6	6½ in.	1¾	15 lbs.	\$10 00	7	6	8½ in.	1¾	50 lbs.	\$20 00
010	10	6½	1	20	11 00	8	8	8½	1½	50	21 00
1	6	7	1½	20	12 00	9	10	8½	1	50	22 00
2	8	7	1¾	20	13 00	10	12	8½	¾	50	23 00
210	10	7	1	30	14 00	11	6	9½	1¾	50	25 00
21½	14	7	¾	40	15 00	12	8	9½	1½	50	26 00
3	6	7½	1¾	40	15 00	14	12	9½	¾	50	27 00
4	8	7½	1¾	40	16 00	17	18	9½	¾	65	30 00
5	10	7½	1	50	17 00	*20	6	11½	2	90	39 00
6	12	7½	¾	50	18 00	*22	8	11½	1½	90	40 00
614	14	7½	¾	50	19 00	*26	12	11½	1	90	41 00
616	16	7½	¾	50	20 00	100	8	13	2	100	76 00
618	18	7½	¾	50	21 00	110	14	13	1	100	78 00

* These are large, heavy Machines, and adapted for horse or hand power, and capable of cutting one ton of hay or straw per hour.

The Nos. 100 or 110 are designed for water, steam, or horse power, calculated for large stables, paper mills, etc., and are capable of cutting two tons an hour.

THE BALDWIN IMPROVED AMERICAN FODDER CUTTERS.

Special Catalogue sent on request.

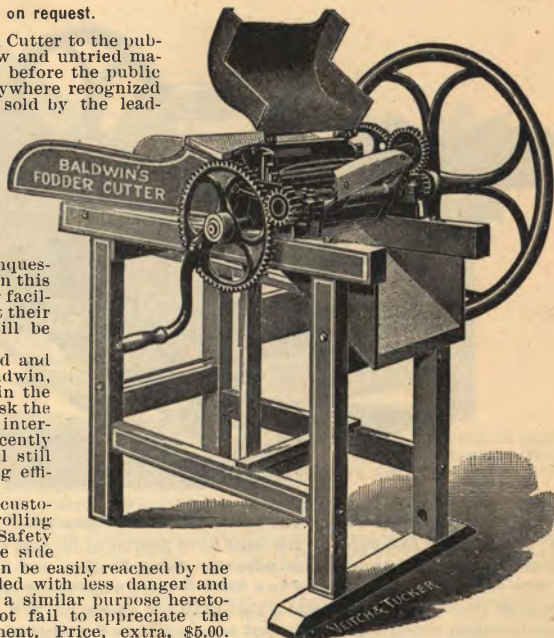
In presenting the Baldwin Cutter to the public, we are not offering a new and untried machine, but one that has been before the public for many years, and is everywhere recognized as a standard machine and sold by the leading trade throughout the country.

Having recently purchased the sole right to the manufacture and sale of these popular goods, we shall continue their manufacture at our works, and our large experience as Cutter builders,—being unquestionably the oldest company in this line in the country,—and our facilities, should convince all that their present good reputation will be well sustained.

While we retain all the old and desirable features of the Baldwin, which are fully described in the pages of this catalogue, we ask the careful attention of those interested to some late changes recently perfected by us, which will still further increase the working efficiency of these cutters.

We ask the attention of customers to our method of controlling the feed by the use of a Safety Treadle Lever placed at the side of the machine so that it can be easily reached by the foot, the same being attended with less danger and quicker than any device for a similar purpose heretofore made. All users cannot fail to appreciate the usefulness of this attachment. Price, extra, \$5.00.

We have brought out a new Masticator for pulverizing dry corn stalks and other coarse fodder, which is fully shown and explained in our new Gale-Baldwin Catalogue.



PRICE LIST OF HAND CUTTERS—WITH ONE KNIFE.

No.	Length of Knife. Inches.	Lengths of Cut. Inches.	Price.
1	6	$\frac{1}{2}$, 1, $1\frac{1}{2}$, 2	\$18.00
9	$8\frac{1}{2}$	$\frac{1}{2}$, 1, $1\frac{1}{2}$, 2	22.00
10	$9\frac{1}{2}$	$\frac{1}{2}$, 1, $1\frac{1}{2}$, 2	26.00
11	11	$\frac{1}{2}$, 1, $1\frac{1}{2}$, 2	30.00
12	13	$\frac{1}{2}$, 1, $1\frac{1}{2}$, 2	38.00

HAND CUTTERS—WITH TWO KNIVES.

No.	Length of Knife. Inches.	Lengths of Cut. Inches.	Price.
9	$8\frac{1}{2}$	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	\$25.00
10	$9\frac{1}{2}$	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	28.50
11	11	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	32.00

POWER CUTTERS—WITH TWO KNIVES.

No.	Length of Knife. Inches.	Lengths of Cut. Inches.	Price.
*5a	10	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	\$42.00
*13a	13	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	45.00
†13½	13½	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	50.00
†14a	15	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	55.00
†14½	15½	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	60.00
†15a	18	$\frac{1}{2}$, $\frac{3}{4}$, $\frac{3}{4}$, 1	100.00

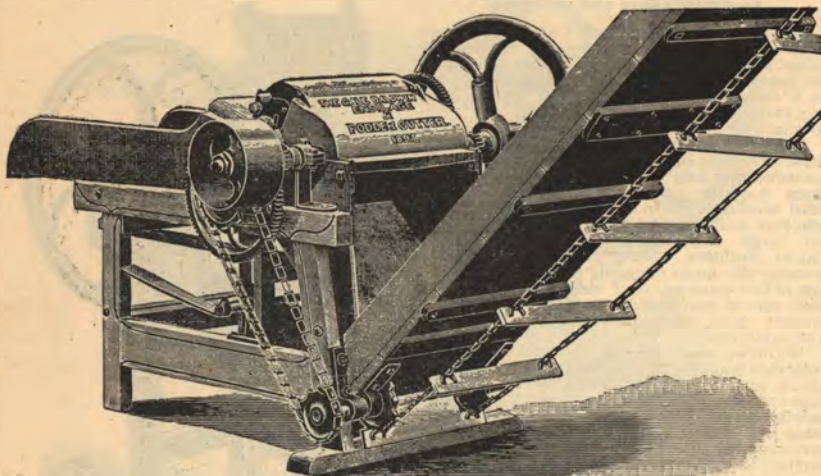
* Hand and Power.

† Power only.

Safety Fly Wheel on power cutters only. Crank and Extension for hand use on Nos. 13½, 14a, and 14½, furnished when desired. Price, \$1.50. All Power Cutters equipped with new Safety Treadle Lever Attachment for \$5.00 extra.

Price of Carriers on next page.

THE GALE-BALDWIN ENSILAGE AND FODDER CUTTER



Put on the market last season has given excellent satisfaction. The improvements made in that pattern over the Baldwin machine have proved to be exactly what was needed to make this machine the most perfect and easiest working Ensilage and Fodder Cutter yet invented.

One of our customers located in a dairy county, where there are a large number of one and two horse tread powers used, states that until last season but few Ensilage Cutters were used in this section, owing to the fact that none could be found that would do satisfactory work with these powers. Last season he introduced the Gale-Baldwin Cutters and Improved Carriers and that solved the problem, for it would do rapid work even when run with one horse and using the machine with Angle Carrier. While it is the only really successful machine made for light power, it is equally satisfactory for steam or electric power, for a large portion of the fuel can be saved as well as wear and repairs. The great improvements made in this machine make it easy to feed, easy to keep in order, and durable.

PRICE LIST OF GALE-BALDWIN—WITH TWO KNIVES.

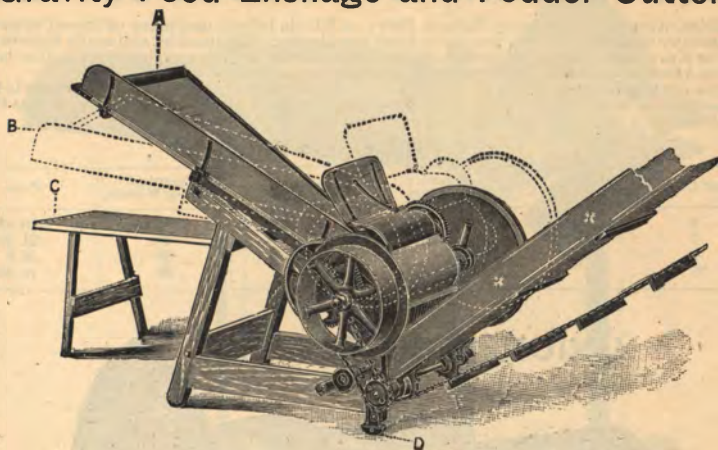
No.	Length of Knife, Inches.	Lengths of Cut, Inches.	Price.
16	16	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, & 1	\$60 00
17	17	$\frac{1}{8}$, $\frac{3}{8}$, $\frac{1}{2}$, & 1	80 00
18	18	$\frac{1}{8}$, $\frac{3}{8}$, $\frac{1}{2}$, & 1	100 00
22	22	$\frac{1}{8}$, $\frac{3}{8}$, $\frac{1}{2}$, & 1	150 00

Safety Treadle Lever as shown on above cut, \$5.00 extra.

PRICE LIST OF CARRIERS.

For No. 5a Cutter, Straight Delivery, 12 feet long or under,	\$22 00
Angle Delivery, 12 feet long or under, with new Spout Carrier,	30 00
Over 12 feet, extra per foot,	1 50
For No. 13a and No. 13½ Cutters, Straight Delivery, 12 feet long or under,	23 00
Angle Delivery, 12 feet long or under, with new Spout Carrier,	31 00
Over 12 feet long, extra per foot,	1 50
For No. 14a, No. 14½, No. 14b, No. 15a, No. 15b, No. 16, and No. 18 Cutters, Straight Delivery, 12 feet long or under,	24 00
Angle Delivery, 12 feet long or under, with new Spout Carrier,	32 00
Over 12 feet, extra per foot,	1 50
For No. 22 Cutter, Straight Delivery, 12 feet long or under,	30 00
Over 12 feet, extra per foot,	2 00

KINNEY'S Gravity Feed Ensilage and Fodder Cutter.



No. 18.

A perfect self-feeding machine requiring no extra power to operate it, and but a little extra money to own it. Also can be adjusted in one moment for a level feed machine for barn floor work. By a slight adjustment of a lever it is raised slightly, resting on two castor rolls, which assist greatly in moving the machine.

Letter A shows friction roll, which prevents the corn from catching over the end of feed trough. The dotted lines at B show position that the machine will take when tilted for level work. C shows bench which operator stands on while throwing the corn into the hopper. Two common sawhorses with two planks being about the height required (24 inches) brings the operator to the very best advantage in throwing the corn into the feeding trough. This machine is calculated to stand on the ground, and there is no need of making it fast to anything, as the castings for the support of the elevator rest on frame of machine. D shows at which point the castor wheel is thrown into position when wishing to move the machine about. Also at this point is pivoted extension leg that holds the machine up as a level feed machine. This machine has been thoroughly tested in last season's work, and proved itself to be the most perfect self-feeding machine on the market. We will guarantee this machine to do the same work with one third less power than is required of any other self-feeding machine that is manufactured to-day.

Balance wheel weighs 130 pounds, and is supplied with our patent friction clutch, which is cast in a solid web form, doing away with all danger of accidents by being caught in the spokes. The machine is furnished with belt pulley 18 inches diameter, 5 inches face, with flange to prevent the belt from blowing off into gears of machine, doing great damage to belt and machine. It is always there when needed.

The knives are of Eastern make, extra heavy, 18 $\frac{1}{4}$ inches long, and length of cut is either $\frac{3}{8}$, $\frac{3}{4}$, or 1 inch. The frame is made of the best Eastern timber, well seasoned and strongly bolted together. The feeding trough is made of galvanized iron, and can be fed from either side, right or left, as each side is removable.

Cut below shows the feeding roll in this machine, which is calculated to be the best feeding roll known to the trade to-day, for corn ensilage.



CARRIERS.

The inventor of this machine, being a practical farmer, with years of experience in the use of ensilage machinery, and being a man who has sold and placed over 100 steam engines, and has met all kinds of conditions of location of silos, and has belted on to many different kinds of ensilage outfits, both with angle and straightaway carriers, has never met a condition where a straightaway carrier could not be used.

The iron work of this machine is the same as No. 18 Gale-Baldwin Cutter, with same Patent Adjustable Head as shown and described on pages 8 and 9 of Gale-Baldwin Catalogue. For more complete description with cuts of silos and method of filling, send for special circular.

Price of Cutter,	\$110 00
Price of Carrier, 12 feet,	24 00
All over 12 feet, per foot,	1 50

PERRY'S PATENT CYLINDER SHEAR AND LOCK CUTTER.

This Cutter was patented by John G. Perry, of Rhode Island, and many of these Cutters have been sold in that State, where they have great popularity. It is durable, and easily kept in order.

The Knives are readily adjusted. It cuts corn-stalks and straw equally as well as hay. It cuts all kinds of feed and fodder very rapidly, and with little power.

The Lock as applied to a Feed Cutter, is a novel and useful feature. The object is to prevent accidents to children, when the machine is not in use. We make four sizes of this Cutter, one of which is for horse and other power.

PRICE LIST.

No. of Cutter.	No. of Knives.	Length of Knives.	Length of Cut.	Weight of Balance Wheels.	Price.
6	2	7½ in.	1¾ in.	40 lbs.	\$19 00
7	3	7½	1	40	21 00
8	4	7½	¾	50	24 0
20	3	13	1½	90	73 00

UNION FEED CUTTER.



No. 2 Union Hawk's Bill Knife.

Our Union or Lever Cutters are the most simple Cutters made. They were invented by Warren Gale.

Many inferior Cutters are made, imitating this Cutter in appearance, but cheaply made, and quickly worn out.

This is a strong framed machine, not liable to get out of order, and easily ground and adjusted. We make with and without the gauge plate; with the gauge plate the user is able to cut short feed more rapidly than without it. These machines are very popular in New England because of their simplicity, cheapness, and from the fact that any length can be cut without any change. Some of our feeders who believe in short cut feed, use the Cylinder Cutter for their feed, and the Union Cutter to cut straw and waste stalks for their bedding. By cutting their straw, etc., for bedding, the manure is more easily handled.

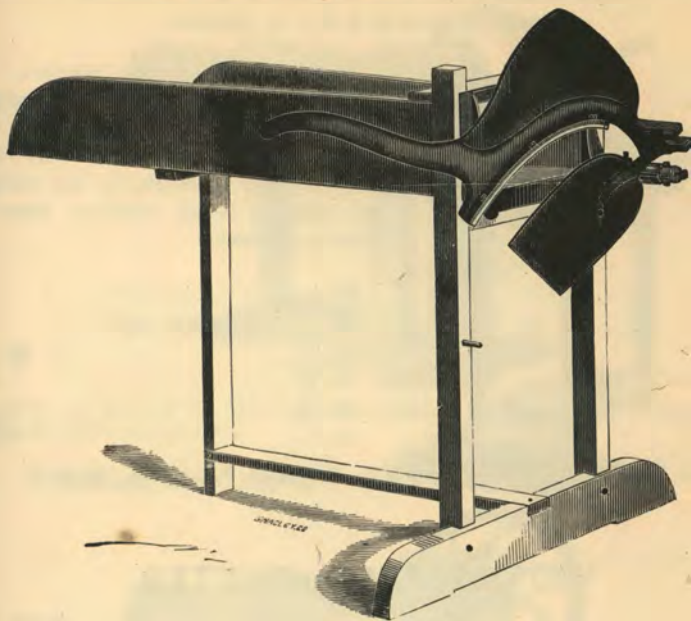
These Cutters are made with Straight, or Hawk's Bill Knives. We have sold thousands of these Cutters, and we never have heard of the first machine that did not give entire satisfaction.

PRICE LIST.

No. 1—13¼-inch Straight Knife.	\$8 00	No. 2—16-inch Straight Knife.	\$10 00
No. 1—13½-inch Circling Knife.	9 00	No. 2—16½-inch Hawk's Bill Knife.	11 00

With Gauge Plate, \$1.00 extra.

THE NEW YORK FEED CUTTER.

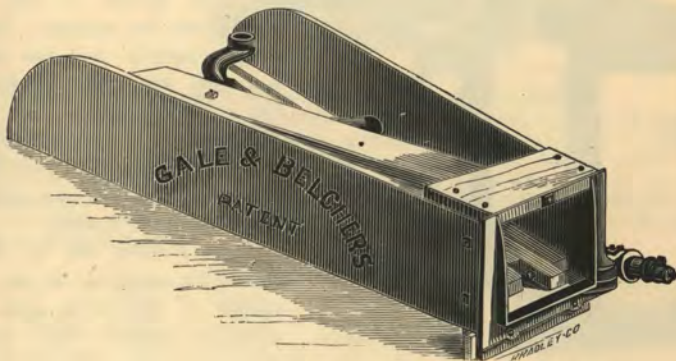


Nos. 0, 4, 4 1-2, and 5, with Gauge Plate.

The Cutters above illustrated are made with the same general features as the Union, only lighter and cheaper.

Of the New York Cutters, Nos. 0, 3, 4, 4½, and 5 are made with flat iron covers, and frames bolted together to be readily taken down and packed.

The Nos. 1 and 2 have curved iron covers, and are always shipped set up.



Nos. 0, 3, 4, 4 1-2, and 5 Packed for Shipping. These will always be shipped set up unless ordered Packed. When Packed they take lower freight rates.

PRICE LIST.

No. 0	—10½-inch Circling Knife,	.	.	.	.	.	.	\$6 00
No. 1	—13½-inch Straight Knife,	.	.	.	.	.	.	6 00
No. 2	—12-inch Hawk's Bill Knife,	.	.	.	.	.	.	7 00
No. 3	—13½-inch Straight Knife,	.	.	.	.	.	.	6 00
No. 4	—13½-inch Circling Knife,	.	.	.	.	.	.	7 00
No. 4½	—15-inch Circling Knife,	.	.	.	.	.	.	8 50
No. 5	—17-inch Circling Knife,	.	.	.	.	.	.	11 00

With Gauge Plate, 50c. extra.

NONESUCH FEED CUTTER.

Formerly made by B. & J. W. Belcher.



Is a simple and durable machine. The device for adjusting the lever, being removed from the pivot, enables us to have a stationary pivot firmly attached to the machine, and consequently not liable to get loose, as in all machines where the pivot is adjustable.

PRICE LIST.

No. 1,	.	.	.	.	.	\$5 00
No. 2,	.	.	.	.	.	5 50
No. 2½,	.	.	.	.	.	7 00
No. 3,	.	.	.	.	.	9 00

Gauge Plate extra, 50 cents.

VICTOR FEED CUTTER.



This is a strong, simple, and excellent working Lever Feed Cutter. It was made for a number of years by the late Mr. John R. Whittemore of this city, and is favorably known to the trade throughout the country. It is of *Large Capacity*, and has a nice and rigid adjustment for keeping the knife up to the bed plate. The arbor is of wrought iron, and will not break. The iron is fastened to the wood by a patented design and well bolted.

These Cutters can be packed closely for shipping at an extra charge of five cents each, and when so packed they will be shipped at lower freight rates.

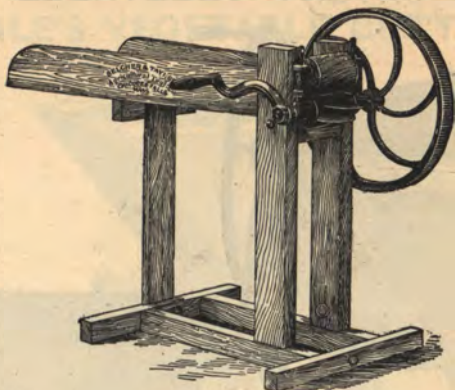
PRICE LIST.

No. 1,	Straight Knife,	.	.	.	.	\$5 00
No. 2,	Hawk-bill Knife,	.	.	.	.	5 50
No. 2½,	Hawk-bill Knife,	.	.	.	.	7 00
No. 3,	Hawk-bill Knife,	.	.	.	.	9 00

With Gauge Plate, 50 cents extra.

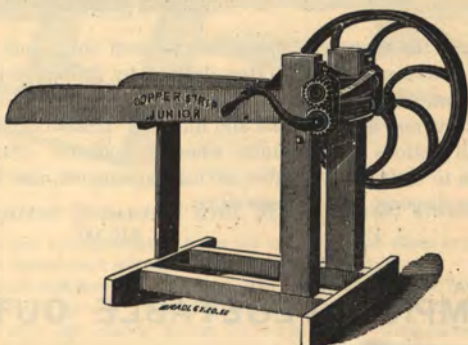
Repairs are also furnished by us for the Whittemore Root Cutters.

HIDE ROLL FEED CUTTERS.



We show here a cut of the Hide Roll Feed Cutter. On page 71 we have prices of the different styles and patterns.

GALE'S JUNIOR FEED CUTTER.



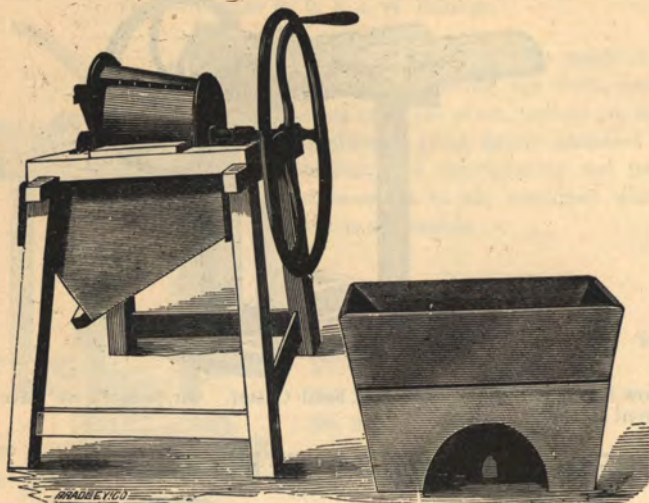
This is Gale's latest improvement on the Copper Strip Feed Cutter.

The above cut shows the hand machines; our Nos. 10 and 11 are more especially designed for power. They are made with malleable iron shafts; have a stout iron mouthpiece; the shafts are $1\frac{1}{2}$ inches diameter, and run in Babbitt metal boxes. They have two handles, to be worked by two persons, if desired. The fly-wheels can be worked on either side, to suit the power. When run by power the belt is usually put on the fly-wheel, but a 14 inch pulley will be forwarded, when so ordered, at a cost of three dollars.

PRICE LIST.

No. of Cutter.	No. of Knives.	Length of Knives, inches.	Length of Cut Feed, inches.	Weight of Balance Wheels, pounds.	Weight of Machine complete, pounds.	Will cut bushels per hour, 5 pounds per bushel.	Price without Cap and Spout.
1	2	6	$\frac{3}{8}$ & $1\frac{1}{4}$	28	70	30	\$11 50
1 $\frac{1}{2}$	3	6	$\frac{3}{8}$ & $1\frac{1}{4}$	28	75	35	13 00
2	2	6	$\frac{3}{8}$ & $2\frac{1}{4}$	34	90	35	12 50
2 $\frac{1}{2}$	3	6	$\frac{3}{8}$ & $1\frac{1}{4}$	34	90	40	14 00
3	3	6	$\frac{3}{8}$ & $1\frac{1}{4}$	34	85	40	14 00
3 $\frac{1}{2}$	1	10	$1\frac{1}{8}$ & 2	52	128	60	18 00
4	3	6	$1\frac{1}{8}$ & $1\frac{1}{4}$	52	114	45	17 00
5	3	6	$1\frac{1}{8}$ & $1\frac{1}{4}$	52	125	55	18 00
6	3	7	$1\frac{1}{8}$ & $1\frac{1}{4}$	52	140	60	20 00
7	3	7	$1\frac{1}{8}$ & $1\frac{1}{4}$	52	130	55	20 00
8	2	10	$1\frac{1}{8}$ & 2	52	160	70	23 00
9	3	8	$1\frac{1}{8}$ & $1\frac{1}{4}$	62	160	70	25 00
10	3	10	$1\frac{1}{8}$ & $1\frac{1}{4}$	88	250	100	44 00
11	3	12	$1\frac{1}{8}$ & $1\frac{1}{4}$	88	275	120	46 00

FARMER'S PATENT VEGETABLE CUTTER.



This machine cuts the roots into pieces half an inch thick and one and a quarter inch wide, which is a form of slice often desired by feeders for neat stock. The pieces, after being cut, pass inside the cylinder, and out at the end into a box or basket. It cuts easily, rapidly, and is substantial and durable. It has been in use many years, and sells well in all sections of the country where introduced. Farmers will find this a valuable addition to their stock of labor-saving implements, and having once used it will never willingly dispense with its assistance.

Price, \$15 00

CHAMPION VEGETABLE CUTTER.

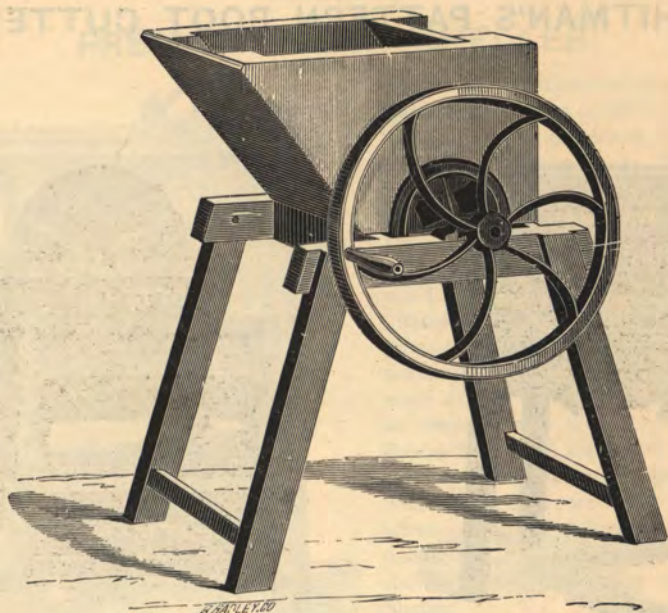


This is one of the *best* machines in the market for cutting all kinds of vegetables. It is made with a wrought shaft with sections of knives fastened to it, and arranged so that a rotation of knives are continually passing a bed knife with cross knives passing between the section of knives; cutting always near the center shaft, making it cut easy and fine enough for cattle or sheep; also making a very regular cut. This machine will cut *sixty bushels an hour*.

PRICE LIST.

No. 1,	\$ 9 00
No. 1½, Power,	12 00
No. 2, Power,	18 00

GALE'S VEGETABLE CUTTER.

*The Lightest Running and Most Rapid Cutter Made.*

The construction and arrangement of parts are such that the slices or pieces, either large or small, are very much broken and softened in the process of cutting.

No. 1½ is made with eighteen curved knives, like ¾, but has lighter frame and wheel; works very easy, and will readily cut one bushel per minute, if you choose to do it.

No. 2½ is made with two slicing knives 12 inches long, cutting slices one-half inch thick; hopper holds one bushel. This size is No. 2 improved.

No. 3½ is made with eighteen curved knives, cutting off narrow gouge shaped strips, a kind of slice very much approved of by some feeders for calves or sheep, and is especially desirable when the cut roots are to be mixed with cut hay, straw, or stalks. Most farmers prefer cutting slices this size for cattle.

No. 4 is made with twenty-seven curved knives, cutting the same size and form of slice as No. 3½. This size was made at the suggestion of Joseph Harris, of "Moreton Farm," who thought he would like something to cut for sheep that would cut finer than No. 2 that he is using, and likes so well for cows and pigs. The hopper holds one bushel.

No. 5 is a new size, having thirty-three curved knives, and is made for either hand or power.

No. 10 is made with fifty-six curved knives, and is made for power but can be used by hand, if desired. We have cut a bushel of turnips on this size in five seconds.

The Knives on all sizes, either curved or straight, are so beveled and arranged on the cylinder that they are never injured by coming in contact with small stones, etc. The small curved knives are cast into the sections, and are held much firmer than when fastened by screws or keys.

PRICE LIST.

No. of Cutter.	Weight of Bal. Wheel. Pounds.	Will cut per hour. Pounds.	Price.	Size.	Weight of Bal. Wheel. Pounds.	Will cut per hour. Pounds.	Price.
No. 1½	20	1,500	\$10 00	No. 4	42	2,000	\$18 00
No. 2½	32	1,700	13 00	No. 5	50	3,000	25 00
No. 3½	32	1,700	13 00	No. 10	65	8,000	35 00

WHITMAN'S PATTERN ROOT CUTTER.



WITH HOPPER OFF.

The Whitman Root Cutter is also known in some sections as the Willis and Boston Root Cutters. It was formerly made by the Whitman Agricultural Works from patterns now owned by us. This is an excellent machine for all kinds of root and vegetable cutting, especially well adapted for cutting fine for feeding sheep. Knives are adjustable for coarse or fine work, and cut past an adjustable ledger plate. It is used for cutting apples for drying. The cross knives can be removed when slicing only is desired. There is an extra inside hopper for use when cutting small turnips, potatoes, and apples.

It is a perfect feeder. It turns easily and will cut one bushel or more per minute.

Price, \$14.50

CORN SHELLERS.

PREMIUM CORN SHELLER.



It needs no argument to convince farmers of the great utility of the Corn Sheller, for its usefulness has been conceded for many years. The only question with the farmer is which is the best Corn Sheller in the market. The old Clinton Sheller stood at the head for a number of years, until superseded by what we call our Improved Clinton Sheller, a cut of which we present on this page. With this machine a farmer can shell his corn more rapidly and with cleanliness, as compared with the old practice of driving horses and colts upon a bed of corn and "stamping off the corn." Some years since, we made quite an advance in the right direction by introducing the Right Hand principle to the Improved Clinton or Premium Sheller.

We manufacture several sizes of the Premium Sheller, some with Cast Iron Hoppers.

PRICE LIST.

No. of Sheller.	Kind of Corn Adapted to Shell.	Number of Balance Wheel.	Plain.	With Separator.
1	Northern,	1	\$8 00	\$9 50
1	Northern,	2	9 00	10 50
2	Northern,	1	9 00	11 00
3	Northern,	2	10 50	12 50
4	Southern and Western,	1	14 00	16 00
5	Southern and Western,	2	16 00	18 00



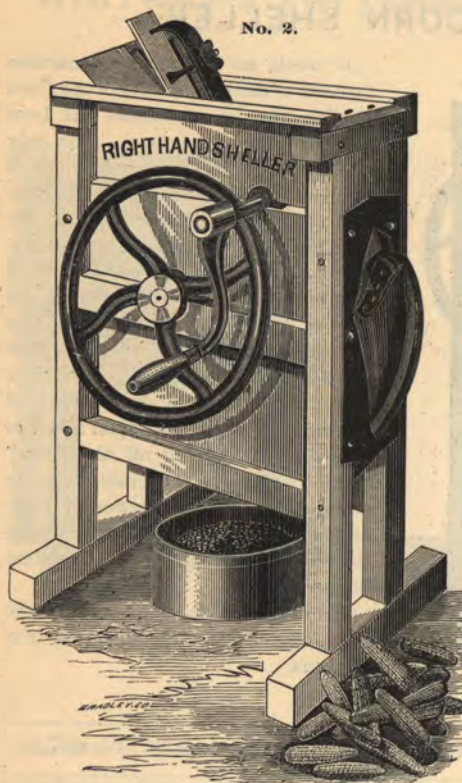
The A Corn Sheller.

The A Corn Sheller is a Right Hand Sheller with Separator, and formerly manufactured by B. & J. W. Belcher. It is made with Wrought Iron Shafts, and is a strong durable Sheller that works well.

Price, \$8 75

This cut gives a wrong impression of the size of the Sheller, which is same size as No. 1 Premium.

Great Improvements in Separators for Corn Shellers.



We ask the attention of the farmers and dealers to our improved Separator, and would say that the Corn Shellers as now made by us will shell the largest or smallest ears of corn, separate the cob from the corn, and cannot be clogged, and the Separator is so securely fastened that it will not get out of place. We have, also, greatly improved the other parts, and now have the only Shellers that are made with wrought iron shafts, nicely fitted, that will separate cob from corn as rapidly and easily as plain Shellers.

We place on the list our Right Hand Sheller, with the New Separator, as seen in the cut. With this Sheller one man or boy can, alone, easily shell one bushel of ears in from two and a half to three minutes. It is so arranged that the operator can turn with the right hand and feed with the left, and this feature alone is a great improvement over the common or left-hand Sheller.

The No. 3 Right Hand Sheller is same as No. 2, except it has much heavier Balance Wheels. Both have gears inside.

PRICE LIST.

	Plain.	With Separator.
No. 2, Two Balance Wheels,	\$14 00	\$16 00
No. 3, Two Balance Wheels, Extra Heavy,	15 50	17 50

LION RIGHT HAND CORN SHELLER.



This is one of the most simple and popular Shellers we make. We make only one size, and that with a Separator, and it is a *Right Hand Sheller*; has a large, heavy Balance Wheel. The working parts are held firmly or rigidly together by solid shaft boxes or bearings. The Shafts are Steel; the Hoppers are Iron, with Steel Spring.

The list price is only Twelve Dollars.

EAGLE CORN SHELLER.

This is a large and superior Sheller, with outside gearing, wooden Hopper, and very heavy Balance Wheel; it is adapted for shelling all kinds of corn.

We also make the Eagle, and other large Shellers, both single and double, arranged for power, when so ordered.

PRICE LIST.

	Plain.	With Separator.
No. 1, Single,	\$18 00	\$21 00
No. 2, Double, Heavy Balance Wheel,	22 00	27 00
No. 3, Double, Fitted for Power,	23 00	28 00

WHEEL JACKS.

SMALL'S PATTERN.



Small's Pattern with Iron Notches is a strong Jack, well finished, and a good seller.

No. 1,	.	.	.	.	.	.	\$2 00
No. 2,	.	.	.	.	.	.	2 50

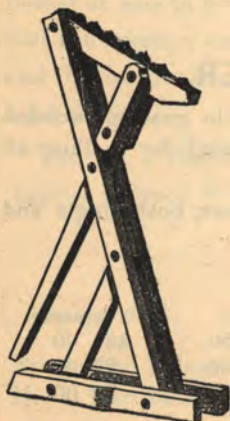
GIANT PATTERN.

This Jack is a favorite with some dealers. It is made from second growth stock, and nicely finished.

No. 0, Plain,	.	.	.	.	.	\$2 00
No. 1, Plain,	.	.	.	.	.	2 25
No. 2, Plain,	.	.	.	.	.	2 75
No. 3, Plain,	.	.	.	.	.	3 25
No. 1, With Ironclad Notches,	.	.	.	.	.	2 75
No. 2, With Ironclad Notches,	.	.	.	.	.	3 25
No. 3, With Ironclad Notches,	.	.	.	.	.	3 75
No. 4, With Ironclad Notches,	.	.	.	.	.	4 50



THE WOOD WAGON JACK.

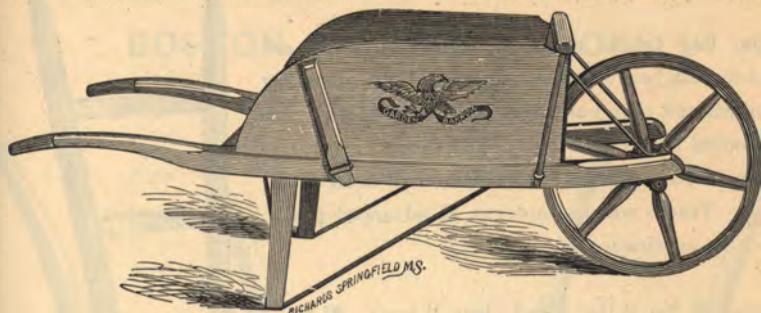


A double motion is obtained in working the lever, which gives it great power.

It weighs only eight pounds, and no trouble to use it. Carriages and wagons are easily raised and oiled. The bearing on the bottom is long and is firmly in its place when in use.

Price, 65 cents each.

EAGLE GARDEN BARROW.

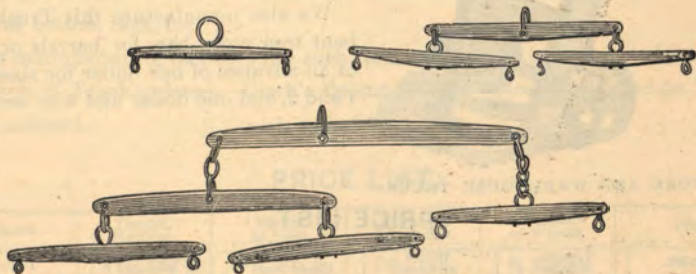


This is a strong made Barrow, or what is called by some manufacturers a "custom made Barrow." The demand for a good Garden Barrow induced us to commence the manufacture of this popular style. The wheel has a cast iron hub, with white oak or ash spokes and rims; the axle is wrought iron, with turned arbors. The frame is made from the best seasoned timber, the end of the bottom resting on, or rather cut into, the back sill, thus preventing the splitting and breaking of the end of the bottom boards. The Barrow is light, strong, and nicely made, and our aim to give the trade a first-class Garden Barrow is appreciated by the trade where they have been introduced; they are nicely painted and varnished.

PRICE LIST.

No. 1, Eagle, Extra Finish,	:	:	\$4 50	No. 3, Eagle, Extra Finish,	:	:	\$7 00
No. 2, Eagle, Extra Finish,	:	:	5 50	No. 4, Eagle, Extra Finish,	:	:	8 50

Whiffletrees, Eveners, Triple-trees AND Neck Yokes, OF ALL KINDS AND LENGTHS.



Our Whiffletrees are manufactured either with hook or rings, as ordered. We also manufacture for the California and some other markets an extra heavy Whiffletree, Double-tree, and Triple-tree.

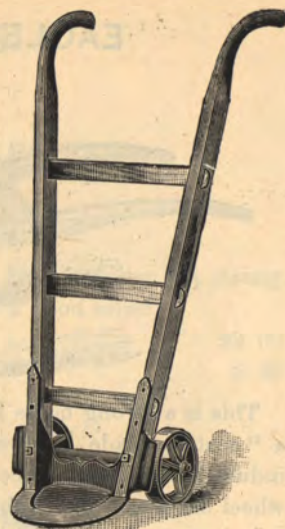
BAG TRUCKS.

Our Bag Trucks are made from best oak or ash timber, with bent handles—are made light, are easily handled, and take but little room, so that they are in general use in retail stores and shops.

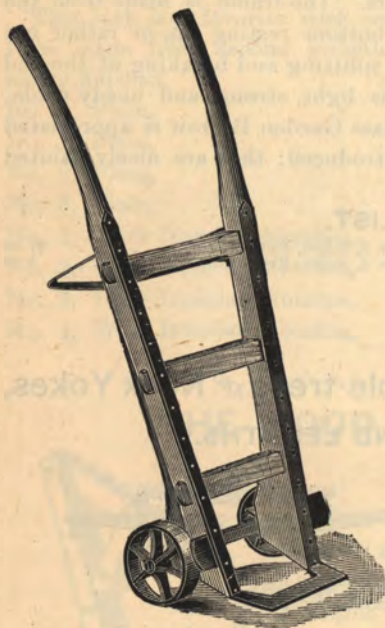
We furnish Clark's Patent Rubber Wheels on all of our Trucks when so ordered, at advanced prices, given on application.

Price of No. 2 Bag Truck, Iron Wheels, \$4.50.

Price of Block Truck, \$3.00.



BAG TRUCK.



STORE AND WAREHOUSE TRUCK.

BELCHER & TAYLOR'S PATTERN Store and Warehouse Trucks.

These Trucks are made from styles furnished us by an experienced warehouseman, and we believe give general satisfaction. Although this style of Trucks is not as large as many other styles, yet they are wider; the axles are made from larger iron and nicely turned and fitted to the wheels.

We also manufacture this Truck with bent iron cross bars for barrels or bags, at an advance of one dollar for sizes Nos. 1 and 2, and one dollar and fifty cents for larger sizes.

PRICE LIST.

Number.	Length, Handles.	Width at Nose.	Width at Upper Bar.	Diameter of Wheels.	Price.
1	4 ft., 0 in.	0 ft., 11 in.	1 ft., 5½ in.	6½ inches.	\$5 00
2	4 " 4 "	1 " 1½ "	1 " 8 "	7 "	6 50
3	4 " 6 "	1 " 2½ "	1 " 8½ "	8 "	8 50
4	4 " 10 "	1 " 4½ "	1 " 9½ "	8½ "	11 50

Railroad Truck,

\$12 00

BOSTON PATTERN TRUCKS.



The wood work of this pattern Truck is larger and much heavier than the B. & T. pattern of the same numbers, and is greatly superior to most of the Trucks found in the market.

We also manufacture a long heavy Truck especially designed for handling bales of cotton, rags, etc.

Our manufacturing facilities are such that we are able to make at short notice any style of Truck ordered. Clark's Patent Rubber Wheels furnished on Trucks when ordered.

PRICE LIST.

Number.	Length, Handles.	Width at Nose.	Width at Upper Bar.	Diameter of Wheels.	Price.
1	4 ft., 1 in.	0 ft., 11½ in.	1 ft., 6 in.	6½ inches.	\$5 00
2	4 " 7 "	1 " 2½ "	1 " 9 "	7½ "	6 50
3	4 " 9 "	1 " 2½ "	1 " 9½ "	9½ "	9 50
4	5 " 5½ "	1 " 3 "	1 " 9½ "	11 " "	13 00

Hotel and Dry Goods Trucks, also all styles of Platform Trucks made to order.

BULLARD'S IMPROVED HAY TEDDER,

With Many Late Improvements.

Intermediate and crank gears are covered with shields not shown in cut below.



There has been no implement offered to the farmer, since the introduction of mowing machines, more necessary than a good *Hay Tedder*; some even place it before the mower in point of value.

The mowing machine leaves the grass evenly distributed over the surface of the ground, a non-conducting layer exposed to the scorching rays of the sun on the upper side, and if left undisturbed will remain wet underneath till evening.

The Tedder tosses up the grass lightly, leaving its fibers crossed in every direction, and in the best condition to be evenly and quickly dried by the circulation of air; and the curing can by this means be so hastened during any good hay day, as to allow the hay to be taken into the barn in the best condition the same day that it is cut.

The importance of *cutting grass early, while in the flower*, and before it loses its nutritious ingredients, is now admitted by scientific agriculturists, as well as by practical farmers throughout the country; if, then, hay is to be secured while in the flower, the work of cutting and curing must be quickly done, and to do it quickly the grass must be constantly stirred after it is cut, in order that it may be dried in as short a time and with as little exposure to the sun as possible.

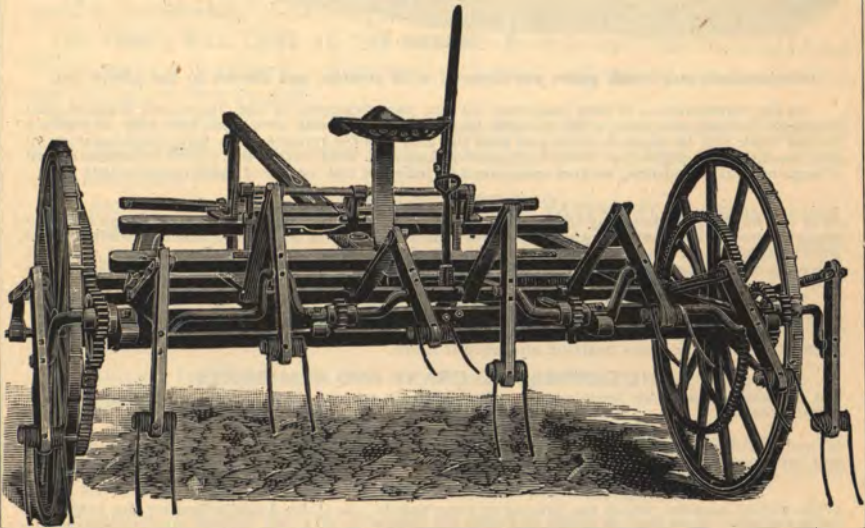
The Hay Tedder not only saves much labor and time in spreading, but its use enables the farmer to cut and take care of nearly double the quantity of hay he otherwise could, for when stirred by the Tedder it dries much sooner than when left in swath. But if the saving of labor be left out of consideration entirely, there is another point of even greater importance to be kept in view, viz.: the use of the Tedder improves the value of the hay secured from one to three dollars per ton.

Having spent several years in perfecting these machines, and having submitted them to the severest tests of field work, we confidently offer them to the farmer as the *Best Hay Spreader and Turner* yet found possible to make.

In fact, the private and public trials have clearly demonstrated the fact that Bullard's Patent Hay Tedder is the only one yet offered to the public that will thoroughly spread long, heavy grass, taking it up from the bottom, tossing it gently into the air, and leaving it upon the ground in a light, fleecy condition.

The shipper arms are now made adjustable, so the drive gears can always be kept in position to take a firm hold on the lugs on the wheel hubs. We furnish this Tedder, when so ordered, with the flat spring and fork used on the New Model Mudgett, also the volute spring and fork and new fork arm connection used on the Belcher & Taylor Combination Tedder shown on the following page. Prices on application.

THE TWO HORSE EIGHT FORK BULLARD TEDDER.

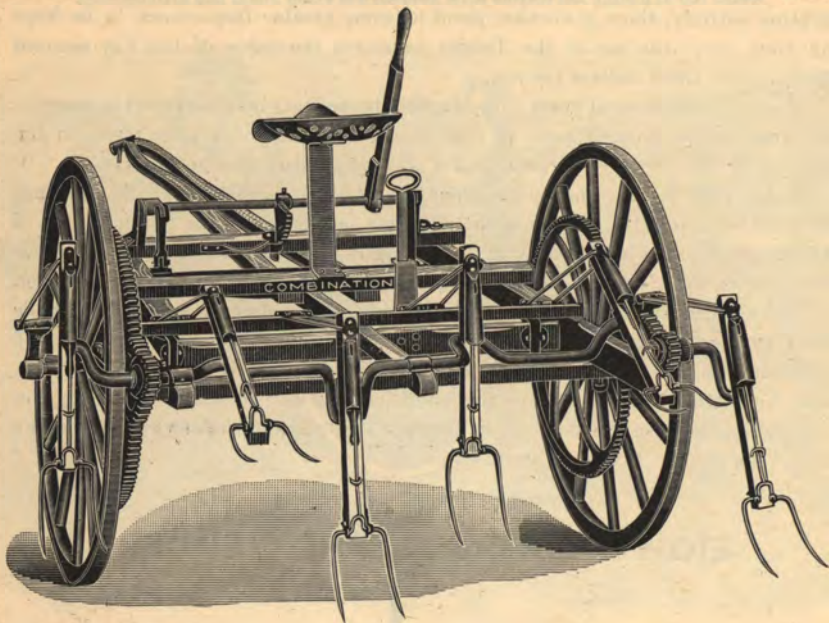


THE ONLY THOROUGHLY SUCCESSFUL AND RELIABLE TEDDER MADE THAT WILL TURN TWO SWATHS OF THE WIDE-CUT MOWERS NOW SO EXTENSIVELY USED.

In no Tedder is the Bullard principle of the narrow track machine with forks outside shown to better advantage than in the Eight Fork for two horses. This is a large, powerful, and durable machine for spreading two swaths of the wide-cut mowers now so frequently used, and has become a strong favorite.

THE BELCHER & TAYLOR CO. COMBINATION HAY TEDDER.

With 6 and 8 Forks.



Intermediate and crank gears are covered with shields, not shown in the above cut.

In the construction of this machine, all the best features of the Improved Bullard and Mudgett Tedders are used, with valuable improvements of our own, and our aim to make a tedder that will be more durable and cost the user less for repairs than any machine now on the market we believe has been fully accomplished. With thirty-five years' experience, and a large output of tedders, we feel competent to judge of the merits of machinery in this line.

ONE RADICAL CHANGE

is in our method of throwing the machine into gear, and keeping it firmly in gear, so that the projections on the drive gears will be thrown into the lugs on the hub of the drive wheel, and held so strongly by spring pressure that the wheel and gear cannot work apart and wear off the ends of the lugs, and soon ruin both wheel and gear, as has been the case with some of the well known Bullard Tedders.

To throw the machine out of gear, the shipper lever is pulled up and the spring is compressed until the notch in the lever catches on to the shipper standard.

To throw into gear, the notch lever is slipped off from the standard, and the spring will throw the drive gear into position and keep it there.

THE CRANKS AND CRANK AND ARM BOXES

are the same that have been used on the Bullard pattern, and have proved durable and satisfactory.

THE FORK ARM

is made solid, and connected with the socket on the frame of the tedder with a double steel rod, with a wearing socket where the arms join together.

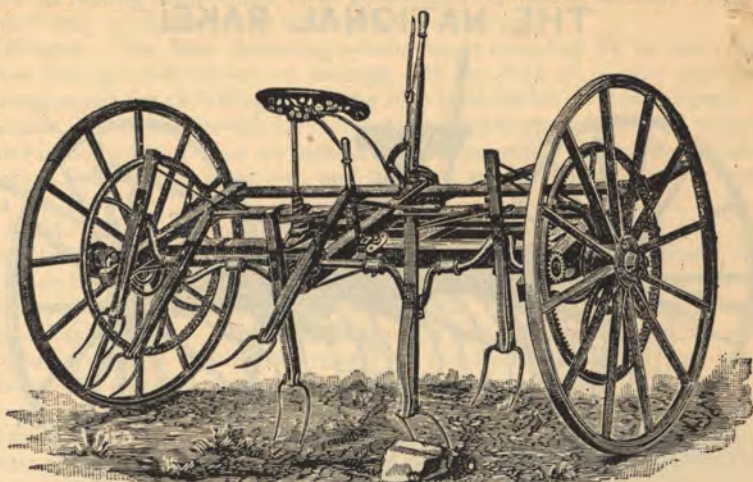
THE SPRING

is the volute pattern, which has proved by long use on the John Dodd's Tedder the best that can be made. The spring is connected with the steel fork by a rod, and by disconnecting the fork from this rod, and turning the rod either to right or left, the tension of the spring can be increased or diminished as desired. Each spring is covered by a malleable iron shield.

THE WHEELS

are made strong and from the best stock, and are heavily tired. The heavy steel axle connects both wheels and gives substantiality to the whole machine. The wood work is from best seasoned oak, and well painted.

We make this pattern with shafts only, or with combined pole and shafts as shown in the cut, and we believe this combination is the only one made where crooked shafts are used. This overcomes the objection to the straight shaft combination when used with one horse.



Patented December 18, 1877, and March 27, 1883.

THE NEW MODEL MUDGETT TEDDER

Is a great improvement over the old style that has proved so serviceable to the farming community. It is **THOROUGHLY MADE AND ADJUSTED** in all its parts and **HANDSOMELY PAINTED**.

Each right and left crank is now made solid, no couplings used.

The draft is light, owing to high wheels and direct application of power to the work, no intermediate gears being used.

THE FORKS WILL COME TO THE GROUND nearly in line with the tread of the wheels, making it well adapted to running through hollows and over knolls without cutting into the ground.

By the adjustable lever at the driver's side, the forks can be raised or lowered more than on any other machine made, making it better adapted for either large or small horses.

We are the exclusive owners of **THE MUDGETT PATENT FLAT SPRING FORK**, and consider it much better than the volute spring, as it is stronger and less liable to break, and has been proved excellent by long use. We can also furnish Tedders with the volute spring, if desired.

We use the volute spring under the seat, making it a very easy and safe seat for the driver.

The shifter for throwing in and out of gear, with handle easily reached from the driver's seat, is the simplest and most efficient in use.

The shafts are bent at the ends, so they will not chafe the horse's side. We can furnish combined shafts and pole, but do not recommend them as, when so used, the shafts are straight at the ends, which is objectionable.

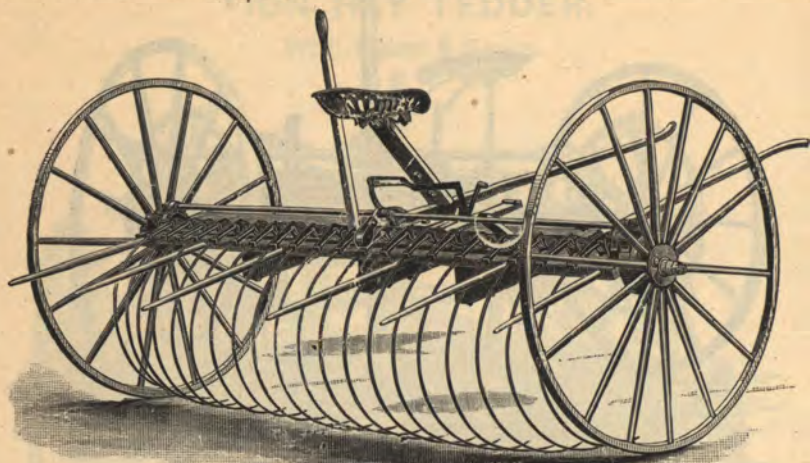
We furnish Tedders with either solid or divided cranks, but shall always send the divided crank unless otherwise ordered.

The forks remaining stationary when the Tedder is moved backward, the horse can be backed with perfect safety, without throwing the machine out of gear.

We have purchased all the patterns of the John Dodd's pattern of Mudgett Hay Tedder, and can furnish machines and repairs for the same.

Price, Six Fork Tedder,	\$35 00
Price, Six Fork Tedder, Combined Pole,	36 00

THE NATIONAL RAKE.



In no tool of our large line is the distinctive character of our work more clearly shown, as building those articles only that stand first in merit, than in the National Rake.

First brought out by its inventor, S. R. Nye, in 1864, under the name of the Bay State, and still retaining all the leading features of the original, the recent improvements have been so marked, that a few years since we changed the name to the National, as being adapted to the needs of all sections; we believe that, as its many excellencies become more fully known, it is destined to become the National Rake of our country.

We ask careful attention to the following distinctive features used only in these Rakes, and without which we claim that no rakes can be made that will prove a success.

First. Each tooth has a perfectly independent action at all times, allowing it to conform to any inequalities of the surface to be raked, no matter how rough or uneven. This is not possible in Rakes where the teeth are held down to their work by passing through a slotted bar, as any one tooth being raised to pass an obstruction of any height, the others are also taken from the ground, and clean raking is not possible. In the National the teeth will pass any obstruction under twenty inches in height. This feature alone is of great value, and the breakage of teeth is much lessened.

Second. Each tooth being held down by the yielding pressure of a spring, better work can be done in light raking than is possible in Rakes not so constructed. Also the spring being separate from the tooth, the tooth cannot be forced upon the point, and dig into the surface after the manner of spring tooth harrows. In no point is the superiority of the National Rakes more clearly shown, as is conceded by all users.

Third. The four teeth at each end being forward of those in the center, form a bow-shaped head, and all roping or scattering of hay at the ends with this construction is impossible. This is an invaluable fea-

ture in raking scatterings or in gleaning, or in raking on hilly land, and found only in Rakes made under the Nye patents.

Fourth. The new dumping arrangement adopted by us some years since has proved an entire success. It consists of a new and novel arrangement for throwing the Rake into gear which is both simple and durable, also a new device for locking the head to the wheels of a weighted pawl in connection with an eccentric or cam, which does away with all springs, which soon wear out, and makes a positive motion which cannot get out of order.

Fifth. The automatic and quick adjustable action of the Rake head is a feature that should not be overlooked in the National Rake, as after the discharge of the load the return of the head at just the right moment prevents the teeth from catching in the windrow, or leaving unraked hay beyond. It is accomplished by hanging the Rake head so that the full weight is behind the center of the iron axle arms, and on the bow of the teeth at their points. The hand lever also striking upon a spring on the cross bar, assists materially, particularly when passing down a descent. This hanging of the head, together with the attachment of the teeth two inches above the axle, and so making a low down draft center, causes the teeth to hug the ground naturally, and without any pressure from the foot lever, which is used only in heavy raking, and lightens greatly the work of the user. These desirable features are not secured in Rakes having "Counterbalanced Heads," or where the *Driver's weight* is used to assist in dumping.

Sixth. The central adjustable trip in the National, which we accomplish by raising or lowering the bolt on the short shaft in the center, enables us to adjust the discharge of the National to fast or slow horses, or large or small windrows.

Construction and Finish.

None but the best of materials are used in the construction of these Rakes, the shafts, cross bar, etc., being made from the best quality of white ash, while the wheels are made with $1\frac{1}{4}$ inch tires, iron hubs, and fourteen spokes to each.

The seats are placed upon a steel spring, and are adjustable, giving great comfort to the user.

The wheels are neatly painted, and the balance of the woodwork striped and varnished, making one of the handsomest appearing Rakes ever placed upon the market.

We make them in four sizes, but can furnish *Wide Rakes* with steel truss rods to prevent sagging, when desired.



The BAY STATE RAKE received at the Centennial Exposition and Field Trial, not only "The Highest Honor, the First Medal," but was the only Rake that received honorable mention in the official catalogue.

At the Universal Exposition in Paris, 1878, the BAY STATE RAKE received the Large Silver Medal and Diploma.

This Rake has taken more First Premiums than any other Rake made.

PRICE LIST.

S. R. Nye's Improved Bay State Horse Rake.

22 Teeth,	\$28 00	26 Teeth,	\$30 00
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S. R. Nye's National Horse Rake.

20 Teeth,	\$27 00	24 Teeth,	\$29 00
22 Teeth,	28 00	26 Teeth,	30 00

Prices on wider Rakes on application.

Revised Price List of Repairs for the KING OF THE CORNFIELD CORN PLANTER AND FERTILIZER DISTRIBUTER.

PATTERNS 1901 AND LATER.

D3½	Seed Hopper Plate.....	\$0.50
D6	Seed Hopper Ear, right hand.....	.25
D7	Seed Hopper Ear, left hand.....	.25
D8	Clevis.....	.75
	Wrench.....	.20
D16	Cam, right hand, outside.....	.50
D17	Cam, right hand, second.....	2.00
D18	Cam, right hand, third.....	.50
D19	Cam, left hand, outside.....	.50
D20	Cam, left hand, second.....	2.00
D21	Cam, left hand, third.....	.50
D21½	Cam, left hand, inside.....	.50
D22	Drive Wheel, 24 inches diameter, concave steel.....	3.00
D23	Drive Wheel, 20 inches diameter, concave steel.....	3.00
D24	Boxes, each.....	.50
D25	Scraper.....	.20
D26	Drive Rod, right hand, for 24 inch wheel.....	2.00
D26½	Drive Rod, right hand, for 20 inch wheel.....	2.00
D27	Drive Rod, left hand, for 24 inch wheel.....	2.00
D27½	Drive Rod, left hand, for 20 inch wheel.....	2.00
D31	Spring Spool.....	.15
D32	Handle Brace.....	.60
D33	Spreaders for Coverers, each.....	.15
D35	Pin for Seed Ring.....	.15
D37	Drive Rod Rest.....	.10
D43	Galvanized Iron for Hopper.....	1.25
D44	Galvanized Iron Seed Conductor.....	.25
D45	Galvanized Iron Fertilizer Conductors, each.....	.25
D46	Spring for Seed Ring Pin.....	.15
D50	Handles complete, per set.....	1.25
D51	Seed Hopper complete, wood.....	4.00
D52	Seed Brush.....	.30
D53	Seed Gauges, each.....	.25
D54	Steel Rollers in Drive Rods, each.....	.10
D54½	Steel Rollers and Studs, per set.....	.35
D58	Studs for Rollers in Drive Rods, each.....	.10
D60	Set Screws for Cams, each.....	.05
D61	Set Screws for Agitator, each.....	.05
D62	Set Screws for Plow, each.....	.10
D63	Cam Bolts, each.....	.05
D64	Bolts for Wings, each.....	.75
D67	Axle.....	.10
D67½	Wire Connection for Drive Rod.....	.15
D68	Wire Springs for Drive Rod, each.....	2.00
D69	Bottom Plate.....	3.25
D69½	Bottom Plate, complete, consisting of 69 to 75.....	.20
D70	Port in Plate, right hand.....	.20
D71	Port in Plate, left hand.....	.20
D72	Front Plate.....	.20
D73	Cut-off Plate, or Slide, right hand.....	.20
D74	Cut-off Plate, or Slide, left hand.....	.20
D75	Cut-off Lever.....	.20
D76	Register Bar with Figures.....	.20
D77	Fertilizer Bottom or Plate for Hopper.....	3.00
D78	Seed Ring.....	.85
D80	Agitator.....	.60
D81	Fertilizer Stop-off for Beans.....	.15
D82	Spool to raise or lower Plow.....	.15
D83	Angle Iron to guide Standard and Spring for Coverers.....	.15
D85	Collar for Standard for Coverers.....	.15
D85½	Standard for Coverers.....	.15
D86	Spiral Spring for Coverers.....	.40
D87	Steel Coverer, right hand.....	.40
D88	Steel Coverer, left hand.....	.40
D89	Malleable Draw Hook.....	.25
D91	Plates for Drive Rods, per pair.....	.70
D92	Plates for Drive Rods with Steel Rollers and Studs, each.....	.10
D93	Steel Taper Pins for Cams.....	.75
D95	Clearer Wing, right hand.....	.75
D96	Clearer Wing, left hand.....	.80
D97	Clearer Top Plate.....	1.75
D98	Steel Runner.....	5.25
D98½	Steel Runner, complete.....	.50
D99	Standard complete for Steel Runner ¾ inches.....	.45
D100	Clip for Standard for Steel Runner.....	.15
D101	Angle Irons for Steel Runners, each.....	.10
D102	Links for Cut-off Lever, each.....	

D104	Iron Seed Gauges, 1, 2, 3, 4, 5 and 13, each,.....	\$0.20
D105	Full Set of Seed Gauges,.....	2.50
D108	Swivel Iron for New Marker,.....	.30
D109	Marker Iron,.....	.30
D110	Wood Marker Arms,.....	.30
D115	Fertilizer Tube Board,.....	.15

ORIGINAL PATTERNS 1891 TO 1901.

D1	Hopper Plate or Fertilizer Bottom,.....	\$3.50
D2	Hopper Plate Lower Bed,.....	1.75
D3	Seed Hopper Plate,.....	.50
D4	Fertilizer Agitator,.....	.50
D5	Seed Ring,.....	.80
D6	Hopper Ear, right hand,.....	.35
D7	Hopper Ear, left hand,.....	.35
D8	Draw Iron or Clevis,.....	.75
D9	Marker Iron,.....	.50
D11	Plow,.....	2.25
D12	Clearer Top Plate, with Top,.....	.75
D13	Clearer Wing, right hand,.....	.80
D13½	Clearer Wing, left hand,.....	.80
D14	Coverer Wing, right hand, cast iron,.....	.40
D15	Coverer Wing, left hand, cast iron,.....	.40
D16	Cam, right hand, outside,.....	.50
D16½	Cam, right hand, outside,.....	.50
D17	Cam, right hand, middle,.....	2.00
D18	Cam, right hand, inside,.....	.50
D19	Cam, left hand, outside,.....	.50
D19½	Cam, left hand, outside,.....	.50
D20	Cam, left hand, middle,.....	2.00
D21	Cam, left hand, inside,.....	.50
D22	Drive Wheel, 24 inches diameter, concave steel,.....	3.00
D23	Drive Wheel, 20 inches diameter, concave steel,.....	3.00
D24	Boxes, each,.....	.50
D25	Scraper,.....	.20
D26	Drive Rod, right hand, for 24 inch wheel,.....	2.00
D26½	Drive Rod, right hand, for 20 inch wheel,.....	2.00
D27	Drive Rod, left hand, for 24 inch wheel,.....	2.00
D27½	Drive Rod, left hand, for 20 inch wheel,.....	2.00
D29	Sheet Iron Hopper for Fertilizer,.....	1.20
D30	Wrought Iron Draw Hook,.....	.25
D31	Spring Spool,.....	.15
D32	Handle Brace,.....	.60
D33	Spreader for Covers, each,.....	.15
D34	Screws in Drive Rod to regulate Fertilizer, each,.....	.20
D35	Pin for Seed Ring,.....	.15
D36	Bed Plate for Wheel Boxes, each,.....	.35
D37	Drive Rod Rest,.....	.10
D38	Marker Clamp with Thumb Screw,.....	.50
D39	Marker Weight or Ball on end of Rod,.....	.35
D40	Marker Gib in Socket,.....	.10
D41	Wrench for Planter,.....	.20
D42	Fork on top of Plow,.....	.25
D43	Galvanized Iron Hopper,.....	1.25
D44	Galvanized Iron Seed Conductor,.....	.25
D45	Galvanized Iron Fertilizer Conductors, each,.....	.25
D46	Spring for Seed Ring Pin,.....	.20
D47	Wood Marker Bar,.....	.30
D48	Marker Iron complete with D38 and 39,.....	.85
D49	Marker Iron complete with D38, 39 and 9,.....	1.25
D50	Handles complete, per set,.....	1.25
D51	Seed Hopper complete,.....	4.00
D52	Seed Brush,.....	.30
D53	Seed Gauges, each,.....	.25
D54	Steel Rollers in Drive Rods, each,.....	.10
D55	Spring for Drive Rods, each,.....	.25
D56	Plates on Drive Rods, per pair,.....	.40
D57	Plates on Drive Rods with Steel Roll and Stud,.....	.80
D58	Stud for Roll in Drive Rods, each,.....	.10
D59	Steel Taper Pins for Cams, each,.....	.10
D60	Set Screws for Cams, each,.....	.10
D61	Set Screws for Agitator, each,.....	.05
D62	Set Screws for Plow, each,.....	.05
D63	Cam Bolts, each,.....	.10
D64	Bolts for Wings, each,.....	.05
D65	Fertilizer Heads,.....	.05
D66	Pin and Cotter for D9,.....	.10
D67	Axle,.....	.75
D68	Spring to hold down Drive Rod,.....	.25
D68½	Angle Iron Guide for Coverer Standard,.....	.15
D100	Clip for Standard for Steel Runner,.....	.45
D103	Chain Marker complete,.....	1.00
	New Marker for Old Pattern Planter complete,.....	1.25
D110	Marker Arm, wood,.....	.30
D111	Bracket,.....	.35
D112	Marker Rests, each,.....	.20

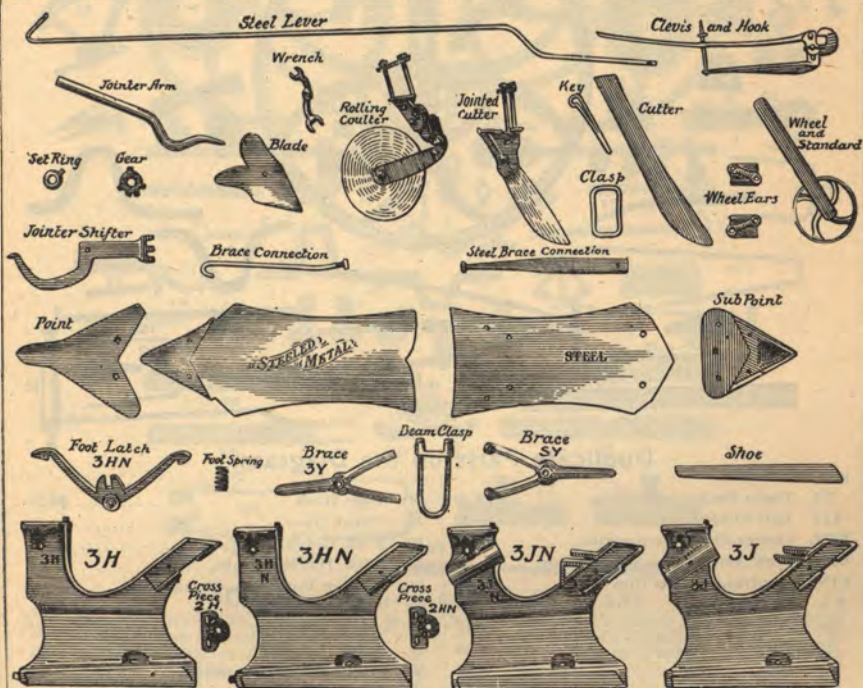
ECLIPSE CORN PLANTER.

Price List of Parts.

Be sure to state the Number or Letter on Castings, or full Name on List,
when ordering Parts.

No. on Casting.	Description of Parts.	Price.	Parts Not Marked.	Price.
1	Pawl on No. 3,.....	\$0.15	Small Bevel Gear,.....	\$0.40
2	Gauge Slide,.....	.15	Upper Bearing on Square Shaft,.....	.10
3	Oscillating Arm, complete,.....	.65	Drive Wheel,.....	2.50
4	Box,.....	.25	Draught Rod,.....	.50
5	Ratchet Wheel on Feed Screw,.....	.35	Staple for holding Draught Rod,.....	.10
6	Box for Drive Wheel Shaft,.....	.20	Left hand Thread Pins, each,.....	.10
7	Carrier on Drive Wheel Shaft, complete	.60	Square Shaft,.....	.50
9	Plow Brace,.....	.40	Drive Wheel Shaft,.....	.50
10	Curved Scraper,.....	.35	Small Gear Shaft,.....	.30
11	Sprocket Wheel,.....	.35	Dropper Shaft,.....	.35
13	Sprocket Wheel,.....	.35	Guide Pipe,.....	.35
15	Sprocket Wheel,.....	.35	Feed Screw,.....	.80
16	Sprocket Wheel,.....	.50	Hopper Rods, each,.....	.15
18	Right hand side of Seed Box,.....	.35	U strap to hold long Screw and Pipe,....	.40
19	Left hand side of Seed Box,.....	.25	Wood Seed Hopper,.....	.75
E24	Fertilizer Hopper Cover,.....	1.25	Galvanized Iron Fertilizer Hopper,.....	1.00
29	Central Gear,.....	.60	Galvanized Iron Tubes, each,.....	.30
30	Gear Cover,.....	.30	Galvanized Iron Side Wings, each,.....	.15
35	Wheel Scraper,.....	.15	Galvanized Iron Top Piece,.....	.15
36	Pin Holder,.....	.50	Zinc Seed Spout,.....	.20
38	Iron Dropping Wheel,.....	.75	Seed Gate,.....	.25
40	Plow,.....	2.50	Fertilizer Valve Arm,.....	.25
	Plow with pair Wings and Brace,.....	3.70	Steel Wings for Plow, each,.....	.40
41	Left hand Coverer,.....	.50	Plow Handles, per pair,.....	1.40
42	Right hand Coverer,.....	.50	Planter Frame,.....	1.25
43	Fertilizer Divider,.....	.15	Set Screws, 5-16 inch diam.,.....	.05
44	Valve Arm,.....	.40	Set Screws, 3-8 inch drive wheel only,....	.05
45	Fertilizer Valve,.....	.15	Carriage and Stove Bolts, both each,....	.05
46	Fertilizer Valve Lever,.....	.25	Malleable Iron Thumb Screws,.....	.05
E47	Fertilizer Hopper Base,.....	.75	Malleable Iron Thumb Nut,.....	.05
Parts for Check Attachments.			Malleable Iron Thumb Wrench,.....	.20
48	To hold red Check Marker,.....	.15	Spiral Spring, steel, on Lever D,.....	.06
S	Check Hook,.....	.50	Steel Coil Spring on Carrier No. 7, and Pawl N,.....	.05
X	Lever on Planter Handle,.....	.15	Seed Brush,.....	.30
	Red Check Marker,.....	.20	Link Belt, per foot,.....	.15
	Friction Block for Seed Shaft,.....	.25	Seed Screw, large size,.....	.05
Letters on Castings.			Seed Screw, small size,.....	.05
A & B	(Brass) Split Nuts, pair,.....	.50	Wood Seed Dropper, stamped 38 and 0, ..	.65
A	Pawl on Drive Wheel Axle,.....	.15	Wood Seed Dropper, with screws,.....	1.15
D	Lever for Spring on No. 3,.....	.15	Marker, wood arm,.....	.30
E	Latch on No. 5 (under side of fertilizer cover).....	.15	Marker, swivel iron,.....	.30
H	Button to hold No. 46, each,.....	.10	Marker Iron,.....	.30
T	Lower bearing on Square Shaft,.....	.15	Marker, complete,.....	.75
N	Pawl to hold No. 5 Ratchet,.....	.10		

Diagram of Parts for No. 3H Yankee Plow, those of No. 2H being similar.

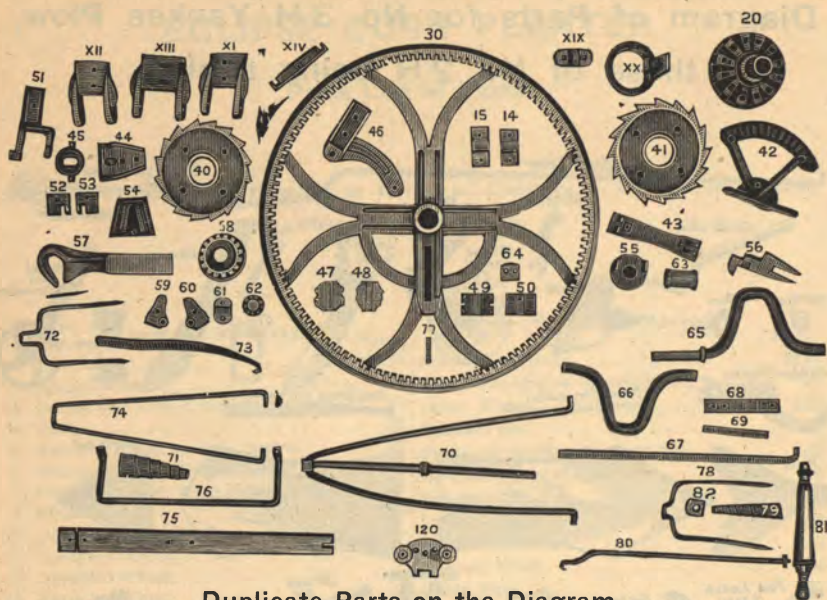


Above we show a diagram of some parts of our Yankee Swivel Plows, which may enable our customers to get a better understanding of names of parts of Swivel Plows. We have catalogues giving prices of all parts of these Plows, which will be sent free to all who order them.

MARSH OR MEADOW SHARES.

We make Shares or Points with Steel Wings for the National Sulky, the Yankee, and Arlington Reversible Plows, also for No. 10 and No. 60 Lion and the National Steel Metal Plows.

NEW MODEL MUDGETT TEDDER.



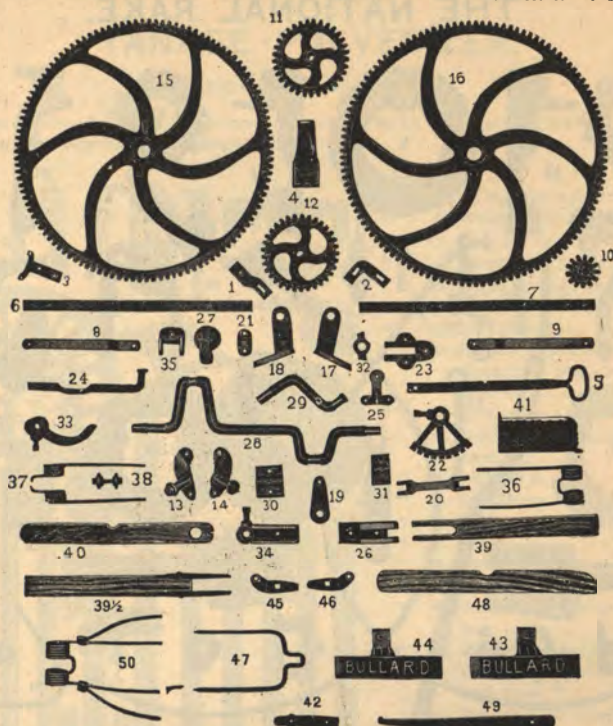
Duplicate Parts on the Diagram.

No.		No.		
XI.	Right Shaft Connection,.....	\$0.40	57. Pole Hook,.....	\$0.50
XII.	Left Shaft Connection,.....	40	58. Crank Gear,.....	65
XIII.	Center Shaft Connection,.....	50	59. Fork Holder, Left,.....	08
XIV.	Fork Arm Connection Holder,....	15	60. Fork Holder, Right,.....	08
XIX.	Quadrant Connection Step,.....	15	61. Cap for Fork Arm Connection,....	05
XX.	Shipper Ring,.....	30	62. Axle Washer,.....	05
14.	Fork Box Cap,.....	10	63. Crank Coupling,.....	25
15.	Fork Box,.....	20	64. Crank Box Stop,.....	05
20.	Hub,.....	1.50	65. Crank Section, Outside,.....	85
30.	Large Gear,.....	5.00	66. Crank Section, Inside,.....	65
40.	Left Ratchet,.....	80	67. Steel Quadrant Lever,.....	30
41.	Right Ratchet,.....	80	68. Quadrant Connection,.....	10
42.	Quadrant,.....	60	69. Spring for Steel Quadrant Lever,...	10
43.	Quadrant Lever Holder,.....	25	70. Seat Frame Complete,.....	65
44.	Seat Spring Holder,.....	20	71. Volute Spring for Seat,.....	35
45.	Seat Spring Rocker,.....	15	72. Fork for Flat Spring,.....	30
46.	Quadrant Socket and Arm,.....	30	73. Flat Fork Spring,.....	30
47.	Center Crank Box,.....	25	74. Fork Arm Connection,.....	20
48.	Center Crank Box Cap,.....	20	75. Fork Arm,.....	35
49.	End Crank Box,.....	20	76. Foot Rest,.....	25
50.	End Crank Box Cap,.....	15	77. Spiral Gear Spring,.....	10
51.	Shipper Lever Iron,.....	20	78. Fork for Volute Spring,.....	30
52.	Left Seat Frame Holder,.....	10	79. Volute Fork Spring,.....	25
53.	Right Seat Frame Holder,.....	10	80. Volute Fork Connecting Rod,.....	15
54.	Seat Plate,.....	20	81. Volute Fork Spring Cap,.....	20
55.	Axle Cup,.....	25	82. Volute Fork Spring Stop,.....	05
56.	Pawl,.....	15	120. Shipper Iron on Wood Axle,.....	25

Duplicate Parts not on Diagram.

Seat,.....	\$1.25	Shipper Stick, Left,.....	\$0.20
Iron Axle,.....	3.00	Shafts each, Right and Left,.....	1.25
Linchpins,.....	05	Wheel,.....	4.00
Shipper Lever,.....	20	Clevis for Combined Shafts and Pole,...	25
Tilting Lever,.....	25	Solid Crank, complete,.....	6.85
Shipper Stick, Right,.....	20	Divided Cranks, each section,.....	3.30

Diagram and Price List of Parts for Bullard Tedder.



Duplicate Parts on the Diagram.

No. 1. Shipper Arm Guide, inside,.....	\$0.15	No. 28. Crank Shaft, Inside Section,.....	\$2.00
" 2. Shipper Arm Guide, outside,.....	15	" 29. Crank Shaft, Outside Section,.....	60
" 3. Clutch for Shipper Arm,.....	25	" 30. Center Box to Crank Shaft,.....	30
" 4. Shipper Lever Standard,.....	50	" 31. End Box to Crank Shaft,.....	25
" 5. Shipper Lever,.....	50	" 32. Fork Arm Box to Crank Shaft,.....	15
" 6. Shipper Arm, left (steel),.....	50	" 33. Outside Arm Socket Support,.....	50
" 7. Shipper Arm, right (steel),.....	50	" 34. Elevator Lever Socket and Screw,.....	40
" 8. Shipper Arm Connection, left,.....	25	" 35. Socket to Fork Arm,.....	15
" 9. Shipper Arm Connection, right,.....	25	" 36. Forks—each, common,.....	25
" 10. Spur Pinion Gear, each,.....	75	" 37. Forks, Kennedy, pair,.....	25
" 11. Right Hand Intermediate Gear,.....	1.00	" 38. Buttons and Bolt for Kennedy Forks,.....	15
" 12. Left Hand Intermediate Gear,.....	1.00	" 39. Upper Fork Arm (wood),.....	25
" 13. Stud for Intermediate Gear, left,.....	50	" 39½. New Pattern Upper Fork Arm,.....	
" 14. Stud for Intermediate Gear, right,.....	50	with No. 42 Arm Connection,.....	35
" 15. Large Wheel Gear, left,.....	3 00	" 40. Lower Fork Arm (wood),.....	25
" 16. Large Wheel Gear, right,.....	3 00	" 41. Tool Box,.....	30
" 17. Right Hand Support to Elevator Shaft,.....	40	" 42. Arm Connection, per pair,.....	20
" 18. Left Hand Support to Elevator Shaft,.....	40	" 43. Gear Shield, left,.....	30
" 19. Elevator Arms, each,.....	25	" 44. Gear Shield, right,.....	30
" 20. Elevator Arms Connection, each,.....	25	" 45. Mudgett Fork Holder for Bullard.....	
" 21. Bed Piece for Elevator Connection,.....	20	Tedder, right,.....	08
" 22. Ratchet and Screw,.....	50	" 46. Mudgett Fork Holder for Bullard.....	
" 23. Ratchet Guide,.....	25	Tedder, left,.....	08
" 24. Ratchet or Foot Spring,.....	40	" 47. Mudgett Fork,.....	30
" 25. Whiffletree Support,.....	20	" 48. Mudgett Fork Arm,.....	25
" 26. Hinge on Thills,.....	25	" 49. Mudgett Fork Spring,.....	30
" 27. Draw Iron on Axle,.....	25	" 50. Gale Patent Four Tined Fork,.....	50

Duplicate Parts not on Diagram.

Drive Wheels, each,.....	\$5.00	Pole for 2 Horse Tedder,.....	\$2.00
Seat,.....	1.00	Hounds, each, 2 Horse Tedder,.....	50
Seat Spring,.....	1.25	Clevis for Hounds, each,.....	25
Elevator Lever (wood),.....	25	Main Axle,.....	2.25
Elevator Shaft,.....	1.00	Linchpins and Washers, each,.....	05
Whiffletree for 1 Horse Tedder,.....	75	Crank for 6 Fork Tedder complete, each side,.....	3.35
Whiffletree for 2 Horse Tedder, each,.....	75	Crank for 8 Fork Tedder complete, each side,.....	4.70
Thills, right and left, each,.....	1.50		

THE NATIONAL RAKE.

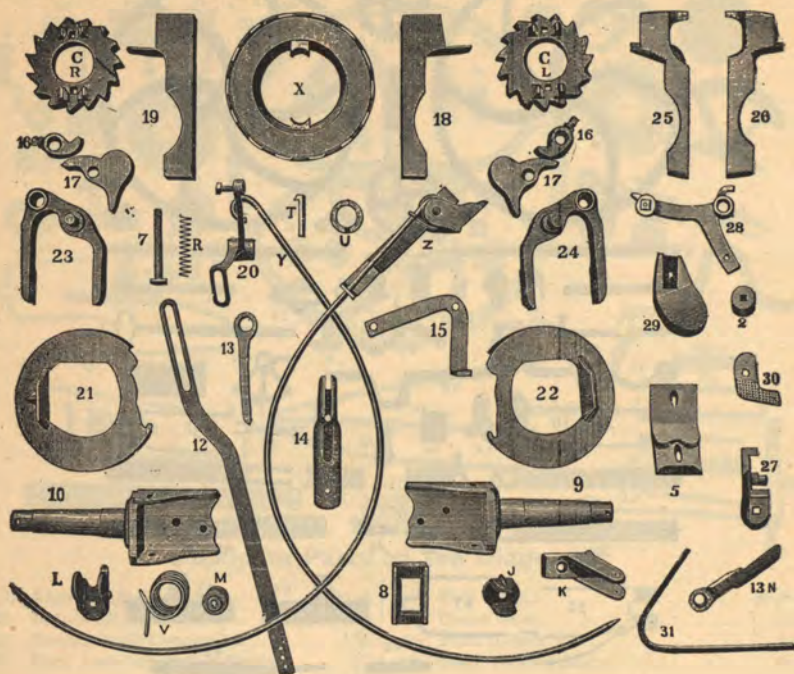


Diagram and Price List of Parts.

No. 7.	Bolt for Spring,	\$0.10	T. Linchpin,	\$0.05
" 8.	Hand Lever Casting,	.08	U. Wheel Washer,	.05
" 9.	Right Hand Axle,	1.00	V. Tooth Spring,	.15
" 10.	Left Hand Axle,	1.00	X. Flange for Wheels,	.35
" 11.	Treadle Connection,	.50	Y. Tooth, plain,	.50
" 12.	Middle Eye for Gas Pipe,	.30	Z. Tooth, hung complete,	.80
" 13.	Treadle Socket,	.40	No. 5. Cast Sear Connection,	.20
" 14.	Treadle,	.30	* 31. Steel Sear Spring,	.75
" 15.	Right and Left Eccentric for Ends of Gas Pipe,	.25	* Seat,	1.25
" 16.	Right and Left Dogs,	.20	* Tooth Guide,	.25
" 17.	Castings on end and top of Thills,	.30	* Top Coupling,	.20
" 18.	Castings on end and top of Short Shaft,	.30	* Draw Iron in Whiffletree,	.10
" 19.	Throw-out Iron on Gas Pipe,	.40		
" 20.	Left Hand Hood,	.40		
" 21.	Right Hand Hood,	.40		
" 22.	Left Hand Dog and Eccentric Support,	.50		
" 23.	Right " " "	.50		
C R.	Right Hand Gear,	.40		
C L.	Left Hand Gear,	.40		
J.	Small Hold-down under Cross Bar,	.12		
K.	Large Hold-down on front side of Axle,	.30		
L.	Tooth Holder,	.15		
M.	Spring Drum in Tooth Holder,	.05		
R.	Spring under Throw-out,	.06		

NEW PATTERNS.

No. 2. Spring Drum for new pattern Tooth Holder,..... \$0.05

" 27. New pattern Tooth Holder,..... .15

" 25. Casting on top of Thills when new
Tooth Holder is used,..... .30

" 26. Casting on top of Short Shaft
when new Tooth Holder is used,..... .30

" 28. Throw-out Iron,..... .30

" 29. Weight for Throw-out Iron,..... .30

" 13N. Middle Eye for Gas Pipe,..... .30

" 30 Foot Rest on Wood Hold-down,..... .10

NEW PATTERNS.

No. 2. Spring Drum for new pattern Tooth Holder,	\$0.05
" 27. New pattern Tooth Holder,	15
" 25. Casting on top of Thills when new Tooth Holder is used,	30
" 26. Casting on top of Short Shaft when new Tooth Holder is used,	30
" 28. Throw-out Iron,	30
" 29. Weight for Throw-out Iron,	30
" 13N. Middle Eye for Gas Pipe,	30
" 30 Foot Rest on Wood Hold-down,	10

 The terms RIGHT and LEFT HAND are used as if you were sitting upon the Rake. * Not on Diagram.

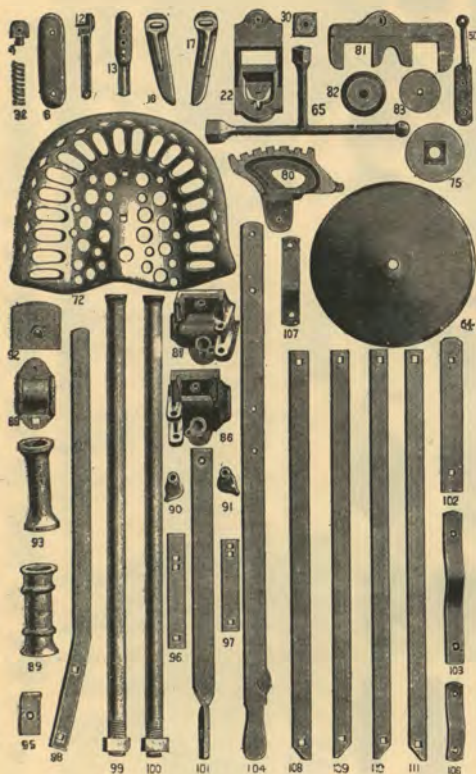
Duplicate Parts not on Diagram.

Wheels, each,.....	\$3.00	Cleaner Sticks, each,.....	\$ 0.10
Wood Axle,.....	1.50	Hold-down Woods, each,.....	20
Cross Bar,.....	1.00	Short Shaft,.....	25
Shafts, each,.....	1.00	Whiffletree,.....	1.00
Back Head,.....	60	Seat S'andard,.....	25
" Handle,.....	25	Gas Pipe,.....	1.00

YANKEE PULVERIZER.

Price List of Parts.

Numbers prefixed by a star (*) are same as used on the La Dow Harrow, patterns and patents of which are owned by us for New England.



*No. 4. Eye Bolt for Lever No. 104,	\$0.12
* 6. Wearing Iron for Pole,	20
* 12. Slide for Lever No. 104,	25
* 13. Handle for Lever No. 104,	25
* 16. Right Scraper Casting,	15
* 17. Left Scraper Casting,	15
* 22. Seat Socket,	50
* 30. Nut for end of Axles Nos. 99 and 100. State whether R or L,	20
* 32. Spring for Lever No. 104,	25
* 50. Hold Back or under Pole Iron,	20
* 64. Disk, 13 in. Steel,	1.20
* 64. Disk, 16 in. Steel,	1.50
* 65. T Wrench,	50
* 72. Seat,	1.50
* 75. Buffer,	30
* 80. Ratchet,	50
* 81. Guide Iron under Cross-bar,	60
* 82. Washer for end of Axle,	10
* 83. Washer between Evener and Pole,	10
* 86. Top part of Draft Box, Right,	1.00
* 87. Top part of Draft Box, Left,	1.00
* 88. Bottom part of Draft Box for either R or L,	30
* 89. Bearing Spool,	40
* 90. Oil Cup Cover, Right,	10
* 91. Oil Cup Cover, Left,	10
* 92. Wearing Iron for End Cross-bar,	25
* 93. Plain Spool,	30

No. 95. Block on Top of Draft Box,	\$0.15	No. 103. Bent Draft Bar,	\$0.30
* 96. Rear Strap on Scraper Wood,	15	* 104. Lever,	75
* 97. Front Strap on Scraper Wood,	15	* 106. Brace Iron under Center of Cross-bar,	15
* 98. Scraper Handle,	30	* 107. Evener Strap,	20
* 99. Axle, Right,	1.50	* 108. Long Brace Iron on Top, Right,	40
* 100. Axle, Left,	1.50	* 109. Long Brace Iron on Top, Left,	40
* 101. Center Draft Bar,	75	* 110. Long Brace Iron on Bottom, Left,	40
* 102. End Draft Bar,	50	* 111. Long Brace Iron on Bottom, Right,	40
* 64. Disk, 18 in.,	2.00	* 64. Disk, 20 in.,	2.50

Parts not Illustrated.

Pole,	\$2.00	Whiffletree Straps, each,	\$0.10
Cross-bar,	1.25	Scraper Woods, each,	40
Seat Stick,	30	Steel Seat Spring,	40
Neck Yoke,	1.00	No. 112 Slide Dog,	30
Evener, Wood,	75	No. 113 Clamp for No. 112,	10
Whiffletrees, each,	50	No. 114 Spring Stop,	10
Whiffletree Hooks, each,	10		

LA DOW'S JOINTED DISK HARROW.

Illustrated Price List of Extra Parts.

Always order by the Number on this List, and never by any marks on the castings.



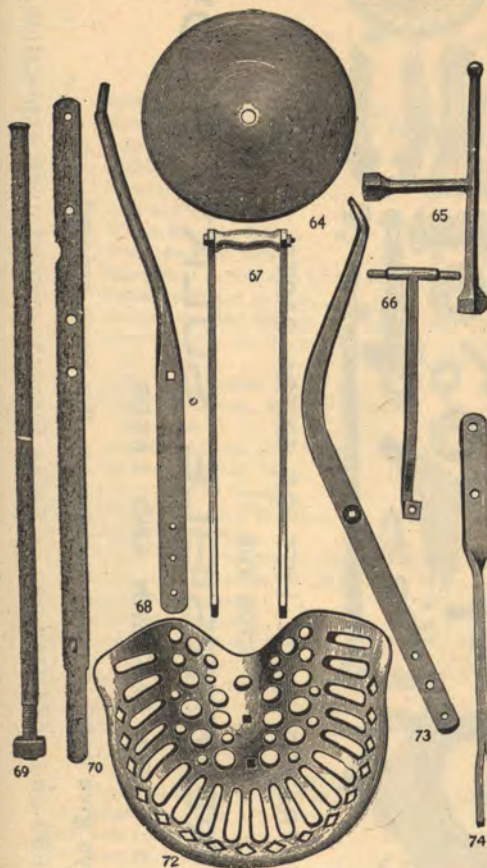
- | | |
|---|--------|
| No. 1. Center Tooth (state what size Disks on Harrow), Iron,..... | \$0.20 |
| Center Tooth (state what size Disks on Harrow), Steel,..... | 35 |
| " 2. Oil Cup Casting, 1878 to 1880 Harrow,..... | 25 |
| " 3. Right under Scraper Iron,..... | 20 |
| " 4. Eye Bolt for Lever No. 70,..... | 12 |
| " 5. Left under Scraper Iron,..... | 20 |
| " 6. Wearing Iron for Pole,..... | 20 |
| " 7. Oil Cup Casting,..... | 25 |
| " 8. Center Oil Cup Casting, 1884,..... | 30 |
| " 9. Washer for end of Axle, No. 69,..... | 10 |
| " 10. Oil Cup Casting, 1878,..... | 25 |
| " 11. Ratchet Casting, 1878 to 1880,..... | 20 |
| " 12. Slide to Lever No. 70,..... | 25 |
| " 13. Handle to Lever No. 70,..... | 25 |
| " 14. Plate to Stiffner Hook, No. 21,..... | 10 |
| " 15. Cover to Center Oil Cup, No. 8,..... | 10 |
| " 16. Right Scraper Casting,..... | 15 |
| " 17. Left Scraper Casting,..... | 15 |
| " 18. Thumb Nut for Cross-bar Bolt,..... | 10 |
| " 19. Thumb Nut Oil Cup Covers,..... | 10 |
| " 20. Cover to No. 7 Oil Cup Casting,..... | 10 |
| " 21. Stiffner Hook,..... | 50 |
| " 22. Seat Socket,..... | 50 |
| " 23. Button,..... | 20 |
| " 24. Cover to Oil Cup Casting, No. 10,..... | 10 |
| " 25. Cover to Scraper Box, No. 39,..... | 10 |
| " 26. Cover to Oil Cup Casting, No. 2,..... | 10 |
| " 27. Cover to Center Box Casting, No. 41,..... | 10 |
| " 28. Cover to Center Box Casting, No. 49,..... | 10 |
| " 29. Thimble to No. 34 Shell, 1879 pattern. See Note 1,..... | 20 |
| " 30. Nut for end of Axle, No. 69,..... | 20 |
| " 31. Cross-bar and Side Brace Bolt,..... | 15 |
| " 32. Spring for Lever, No. 70,..... | 25 |

- | | |
|--|--------|
| No. 33. Pin for Ratchet Casting, No. 11,..... | \$0.15 |
| " 34. Shell for Thimble, No. 29. See Note 1,..... | |
| " 35. Solid Ball for Center Box, for all patterns,..... | 20 |
| " 36. Ratchet,..... | 50 |
| " 37. Top Half Side Box, 1878 to 1880,..... | 35 |
| " 38. Lower Half Side Box with Dowel. See Note 2,..... | 35 |
| " 39. Top Half Scraper Box,..... | 35 |
| " 40. Wrought Scrap for Pole and Cross-bar,..... | 15 |
| " 41. Top Half Center Box, 1878 to 1880,..... | 60 |
| " 42. Lower Half Scraper Box,..... | 35 |
| " 43. Everen Scrap,..... | 20 |
| " 44. Top Half Center Box, 1884,..... | 60 |
| " 45. Double Spool (outside casting), with Dowel. See Note 2,..... | 40 |
| " 46. Lower Half Center Box, 1884,..... | 40 |
| " 47. Double Spool (one casting). See Note 3,..... | |
| " 48. Lower Half Center Box, with Dowel-holes. See Note 2,..... | 40 |

- | | |
|---|--------|
| No. 49. Top Half Center Box, 1878 to 1880,..... | \$0.60 |
| " 50. Hold Back or under Pole Iron,..... | 20 |
| " 51. Plain Spool,..... | 30 |
| " 52. Top Clamp to Brace Spool,..... | 35 |
| " 53. Ribbed Spool to Brace Spool. See Note 4,..... | 40 |
| " 54. Lower Clamp to Brace Spool,..... | 35 |
| " 55. Lower Half Side Box, with Dowel-hole. See Note 2,..... | 35 |
| " 56. Top Half Side Box,..... | 35 |
| " 57. Block for Center Box, No. 46,..... | 20 |
| " 58. Lower Half Center Box,..... | 40 |
| " 59. Top Half Center Box,..... | 60 |
| " 60. Plain Spool, 1878 to 1880,..... | 25 |
| " 61. Double Spool (outside casting), with Dowel-hole. See Note 2,..... | 40 |
| " 62. Ribbed Spool, has two small ribs,..... | 30 |
| " 63. Inside Casting to Double Spool, Nos. 61 and 45,..... | 20 |

LA DOW'S JOINTED DISK HARROW.

Illustrated Price List of Extra Parts.



No. 64.	Disk, 13 inches diameter of Iron,.....	\$1.00
"	Disk, 13 inches diameter of Steel,.....	1.20
"	Disk, 16 inches diameter of Steel,.....	1.50
" 65.	T Wrench,.....	.50
" 66.	Gooseneck, 1878 to 1880,...	1.00
" 67.	Lever Complete, 1878 to 1880,.....	1.00
" 68.	Side Brace, 1878 to 1880,...	1.00
" 69.	Axle (state length wanted from end to end), Right or Left Thread,...	1.50
"	Lever (Iron only),.....	.75
" 70.	Lever Complete,.....	2.00
" 72.	Seat,.....	1.50
" 73.	Side Brace,.....	1.25
" 74.	Lead Bar. State one or two Horse Harrow,...	1.00

Parts not Illustrated.

TWO HORSE HARROW.

Pole,.....	2.00
Cross-bar,.....	.50
Seat Stick,.....	.30

BOLTS.

Side Box Bolts, 7-16 x 4½,.....	10
Forward Ratchet Bolts, ½ x 4½,...	10
Seat Socket Bolts, ½ x 5½,.....	10
Center Box Bolts, ½ x 4½,.....	10
Evener Strap Bolts, ½ x 3½,.....	8
Brace and Pole Bolts, ½ x 5,.....	10
Cross-bar Bolts, 7-16 x 4 double nut, 10	
Pole and Evener Strap Bolt, ¾ x 5½, 15	
Seat Stick Bolt, ¾ x 2½,.....	8

ONE HORSE HARROW.

Shafts per pair, complete with Cross-bar,.....	3.50
Shafts, Right or Left,.....	1.25
Cross-bar (wood),.....	.75
Double Brace, wrought Iron,...	2.00
Stub Casting,.....	1.00
Wood Stub,.....	.30
Whiffletree Complete,.....	.80
Draw Iron,.....	15

SCRAPER PARTS.

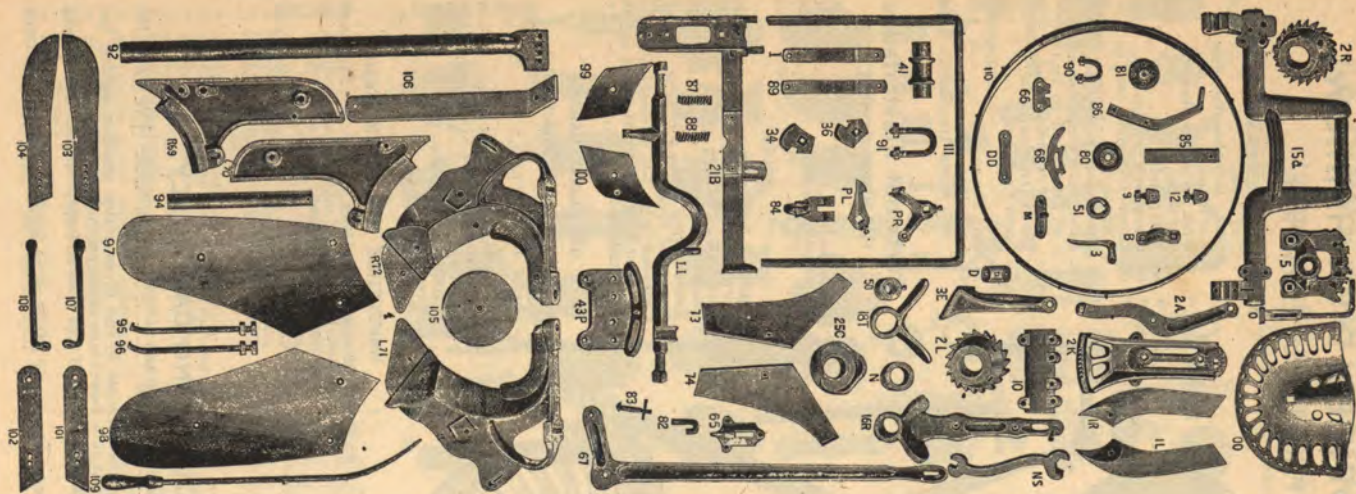
Scraper Wood, Right or Left,.....	\$0.50
Long Shifter Handle,.....	.30
Side Scraps, wrought Iron,.....	15
Cross-bar Strap (state how Scraper is operated),.....	25
Foot Casting (malleable),.....	25
Scraper Casting Bolts, ¾ x 3 or ¾ x 2½,....	10

WHIFFLETREE AND EVENER REPAIRS.

Whiffletree with Hooks,.....	\$0.50
Evener, Wood only,.....	.75
Whiffletree Hooks, each,.....	10
Whiffletree Straps,.....	10
Neck Yoke,.....	1.00

READ THE FOLLOWING CAREFULLY.

- Note 1.** No. 35 Solid Ball is used in place of Nos. 29 and 34 and is much better. Fits are all the same.
- Note 2.** Be very particular in ordering Nos. 38, 45, 48, 55 and 61 to notice whether casting has a Dowel as shown in Cut 45, or a Dowel-hole as shown in Cut 55.
- Note 3.** Double Spool, Cut 45, is furnished in place of Cut 47 as an improvement. Fits are the same.
- Note 4.** Ribbed Spool, Cut No. 53, used with clamps 52 and 54, is same as used with Scraper boxes 39 and 42.



ILLUSTRATED PRICE LIST OF EXTRA PARTS
FOR THE
NATIONAL REVERSIBLE SULKY PLOW,
1887 PATTERN AND LATER.

 Always give name of, and number on, the piece ordered.

Price List of Parts for 1885 and 1886 Patterns of Sulky Plows furnished upon application.

THE NATIONAL REVERSIBLE SULKY PLOW.

Price List of Parts Illustrated.

No.		No.	
00.	Seat,.....	83.	Pin with Key for Draw Hook,.....
0.	Hand Dog for Reverse Lever, No. 16 R, 15	84.	Draw Hook and Bolt on Beam,.....
1 R.	Jointer Arm, Right,.....	85.	Trip on Cross-bar, No. 21 B,.....
1 L.	Jointer Arm, Left,.....	86.	Steel Foot Lever,.....
2 A.	Treadle to Drop Plows,.....	87.	Spring on No. 0 Hand Dog,.....
2 K.	Pole and Seat Socket,.....	88.	Spring in No. 65 Slide Dog,.....
2 R.	Wheel Ratchet, Right,.....	89.	Steel Foot Lever Connection,.....
2 L.	Wheel Ratchet, Left,.....	90.	Axle Clip,.....
3.	Hand Piece on Elevator Lever, No. 67, 20	91.	Beam Clip,.....
3 E.	Standard Bolted to 15 A,.....	92.	Beam (Steel),.....
5.	Ratchet on Steel Frame,.....	94.	Axle Arm,.....
9.	Lower Guide on Reverse Lever, No. 16 R,.....	95.	Spoke, outside,.....
10.	Top Box on Saddle, No. 43 P,.....	96.	Spoke, inside,.....
12.	Upper Guide on Reverse Lever, No. 16 R,.....	97.	Steel Moldboards, Right,.....
15 A.	Main Frame and Axle Stock,.....	98.	Steel Moldboards, Left,.....
16 R.	Reverse Lever on Beam,.....	99.	Jointer Steel, Left,.....
18 T.	Swivel on End Beam,.....	100.	Jointer Steel, Right,.....
21 B.	Cross-bar in Steel Frame,.....	101.	Standard for Rolling Coulter, Left,.....
25 C.	Outside Hub End,.....	102.	Standard for Rolling Coulter, Right,.....
34.	Right Stop on Saddle, No. 43 P,.....	103.	Steel Coulter, Left,.....
36.	Left Stop on Saddle, No. 43 P,.....	104.	Steel Coulter, Right,.....
41.	Axle Box or Spool,.....	105.	Rolling Coulter with Washers and Arbor,.....
43 P.	Saddle on Beam,.....	106.	Steel Seat Spring,.....
50.	Sand Box with Set Screw on Axle Arm,.....	107.	Brace on Moldboard, Right,.....
51.	Wheel Washer, outside,.....	108.	Brace on Moldboard, Left,.....
65.	Slide Dog on Elevator Lever, No. 67, 25	109.	Handle to throw in Gear, when walking,.....
66.	Cap for Slide Dog on Elevator Lever, No. 67,.....	110.	Wheel Rim,.....
67.	Elevator Lever,.....	111.	Steel Frame,.....
68.	Adjustable Stop on No. 5 Ratchet, 1.25	B.	Wrench Socket on Seat Spring,.....
69 R.	Right Landside,.....	D.	Cap on 15 A,.....
70 L.	Left Landside,.....	DD.	2 A Cast Lever Connection,.....
71 L.	Left Plow Standard,.....	I.	Elevator Lever Connection,.....
72 R.	Right Plow Standard,.....	LI.	Rocking or Dog Shaft,.....
73.	Left Plow Point,.....	M.	Ratchet under Side Seat Spring,.....
74.	Right Plow Point,.....	N.	Collar on Beam back of 16 R,.....
80.	Washer on Seat Spring,.....	NS.	Wrench,.....
81.	Washer on Rolling Coulter,.....	PR.	Dog, Right, on L I Shaft,.....
82.	Hook Bolt to fasten Pole Socket to Steel Frame,.....	PL.	Dog, Left, on L i Shaft,.....
			Rolling Coulters, complete, Right and Left, each,.....
			Jointers, complete, Right and Left, each,.....

73 and 74 Plow Shares, Steel Wings, each, \$1.50.

We have just made new and heavier shares for this plow.

Parts Not Illustrated.

Trip Spring,.....	\$0.15	Evener, Wood, with Staple,.....	\$1.00
Plow Standard Bolts, Front,.....	25	Whiffletree, Wood, each,.....	50
Plow Standard Bolts, Rear,.....	10	Whiffletree, complete,.....	1.00
Three-horse Whiffletree Chains,.....	25	Neck Yoke, Wood,.....	80
Three-horse Whiffletree Rollers,.....	10	Neck Yoke, complete,.....	1.20
Whiffletree Hooks, outside,.....	10	Evener and Whiffletree, complete for Three Horses,.....	4.00
Whiffletree Hooks, inside, with Strap,.....	25	Wheel,.....	4.25
Pole,.....	2.50		

ARLINGTON PLOWS.

Repair Price List of Extra Parts.

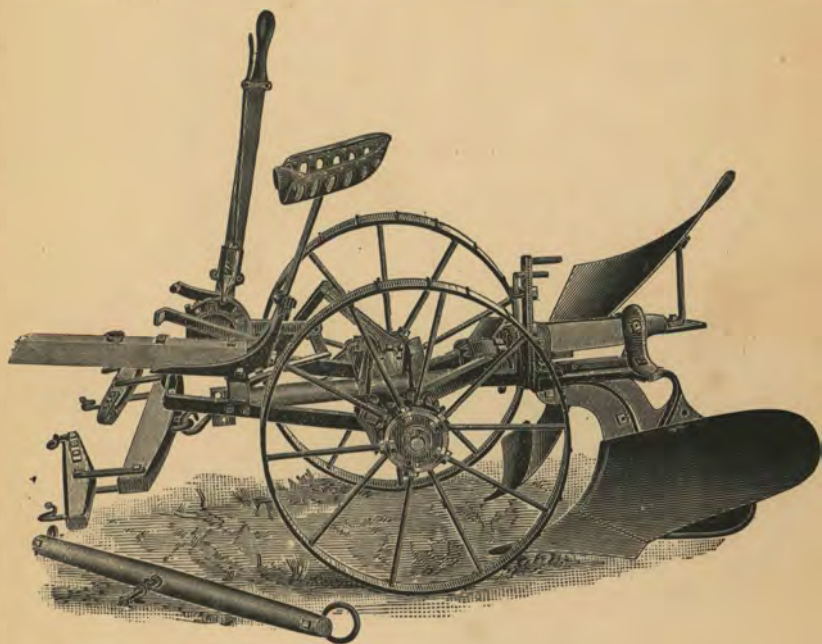
Always give name of and number on the piece ordered.

Points for No. 30 Plow.....	\$0.70
Points for No. 29 Plow.....	.60
Points for No. 27 Plow.....	.40
Points for No. 26 Plow.....	.30
Molds for No. 30 Plow.....	3.00
Molds for No. 29 Plow.....	2.60
Molds for No. 27 Plow.....	1.50
Molds for No. 26 Plow.....	1.50
Standards for No. 30 Plow.....	2.25
Standards for No. 29 Plow.....	2.00
Standards for No. 27 Plow.....	1.25
Standards for No. 26 Plow.....	1.25
Standards with Shoes for No. 30 Plow.....	2.75
Standards with Shoes for No. 29 Plow.....	2.50
Standards with Shoes for No. 27 Plow.....	1.60
Standards with Shoes for No. 26 Plow.....	1.50
Shoes for No. 30 Plow.....	.50
Shoes for No. 29 Plow.....	.50
Shoes for No. 27 Plow.....	.35
Shoes for No. 26 Plow.....	.25
Y Braces for No. 30 Plow.....	.35
Y Braces for No. 29 Plow.....	.35
Y Braces for No. 27 Plow.....	.30
Y Braces for No. 26 Plow.....	.25
Steel Moldboard for No. 29 Plow.....	4.00
Steel Moldboard for No. 26 Plow.....	1.50
Saddle for Steel Moldboard, No. 29.....	.75
Saddle for Steel Moldboard, No. 26.....	.40
Saddle and Y Brace Connection, Steel.....	.40
Y Brace for Steel Moldboard, No. 29.....	.35
Rolling Coulter, Steel, with Arbors and Washers.....	1.50
Upper or Beam Shank, No. Y 21.....	.20
Swivel Socket, No. Y 22.....	.25
Swivel Arm, No. Y 18.....	.60
Beam Clasp, complete.....	.30
Jointed Coulter (Steel Blade only).....	1.00
Jointed Coulter Socket, with Beam Clasp.....	.50
Steel Coulter for No. 26 and No. 27.....	.75
Steel Coulter for No. 29 or No. 30.....	1.10
Key and Clasp for Coulter.....	.40
Malleable Clevis, plain, for all sizes.....	.80
Malleable Clevis and Hook for all sizes.....	1.00
Malleable Clevis and Shifting Lever.....	1.50
Wheel for all sizes.....	.40
Wheel Ears, per pair.....	.20
Wheel Standards, per pair.....	.40
Wheel Arbor.....	.10
Foot Latch, No. 26 and No. 27, each.....	.30
Foot Latch, No. 29 and No. 30, with Adjustable Arms, each.....	.50
Foot Latch Cross-piece.....	.20
Steel Spring for Foot Latch.....	.10
Steel Jointer Shaft for No. 29 or No. 30.....	.60
Steel Jointer Shifter for No. 29 or No. 30.....	.40
Jointer Blade, Steeled Metal.....	.40
Set Rings for Jointer Shaft, each.....	.15
Set Rings for Jointer Shifter, each.....	.15
Gear on Jointer Shaft.....	.15
Gear on Jointer Shifter.....	.15
Gear Shield No. 31 for Jointer Plow.....	.20
Upper Jointer Shank and Beam Clasp.....	.55
Lower Jointer Shank.....	.25
Handles, each, No. 26 and No. 27.....	.50
Handles, each, No. 29 or No. 30.....	.55
Handles, complete, No. 26 and No. 27.....	1.50
Handles, complete, No. 29 or No. 30.....	1.70
Beams for No. 26 and No. 27.....	1.25
Beams for No. 29 or No. 30.....	1.60
No. 29 and No. 30 Arlington Points with Steel Wings, each.....	2.00

NOTE. All Two Horse Plow Clevises are same. Clevis Hooks are same for all sizes.

THE NATIONAL
REVERSIBLE
SULKY PLOW.

(Strait's Patent.)



THE
ONLY SUCCESSFUL
REVERSIBLE SULKY PLOW
IN USE.



WHEEL BELCHER & TAYLOR CULTURAL TOOL CO., CHICAGO, ILL.