

2250
PIVOT AXLE -
CULTIVATOR

AMERICAN HARROW CO.,

HARROWS
CULTIVATORS
SEEDERS
DISC HARROWS
BEAN HARVESTERS
MANURE SPREADERS
TRUCK SCALES

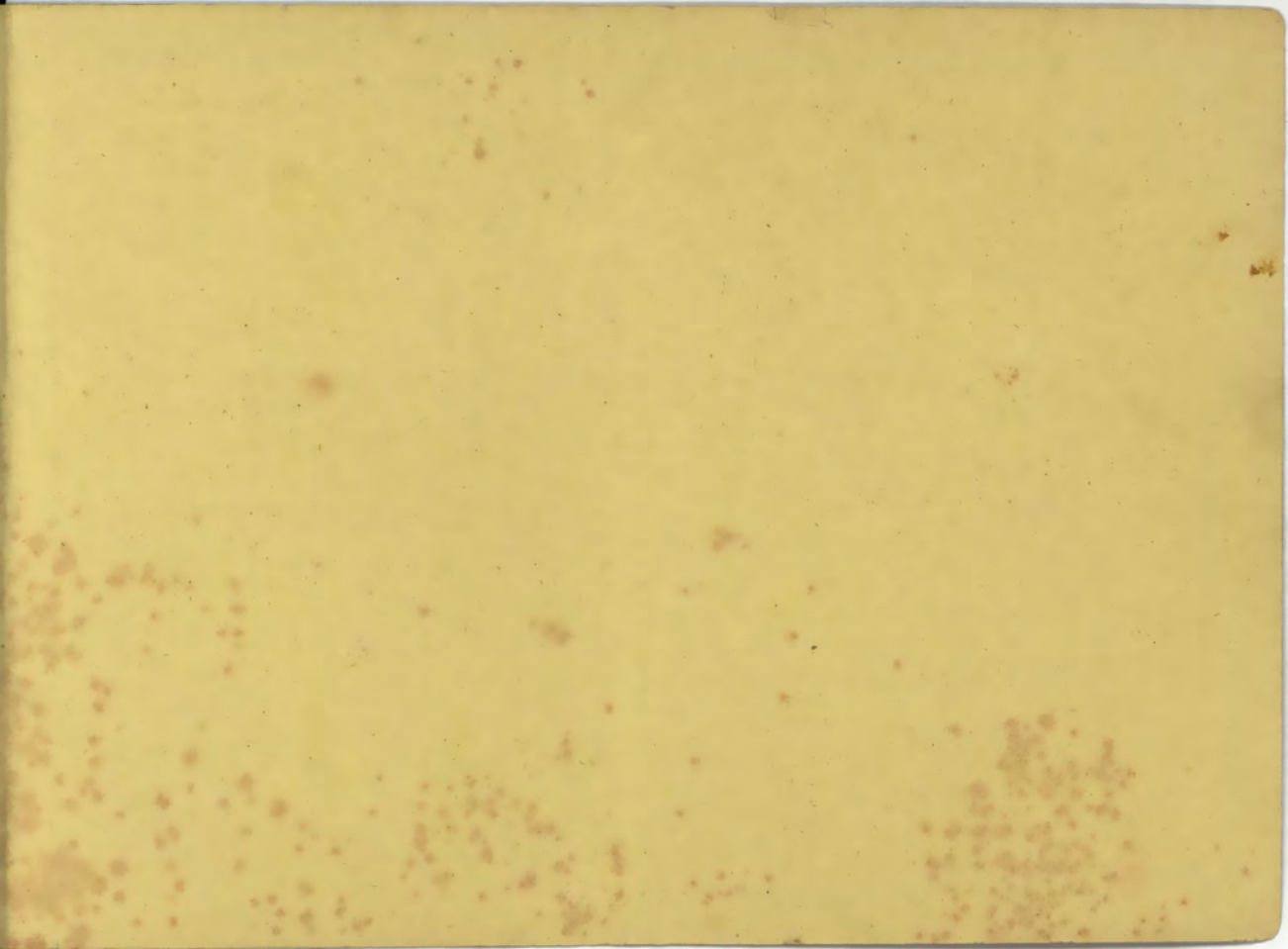
NEW AMERICAN MANURE SPREADER

NEW -
AMERICAN CULTIVATOR

WOLVERINE -
DISC HARROW

BALANCE -
FRAME CULTIVATOR

DETROIT, MICH.,
U.S.A.



2250

American Harrow Company

DETROIT, MICHIGAN

D. M. FERRY,
President.

R. W. GILLET,
Vice-President.

W. W. COLLIER,
Secy. and Treas.



MAKERS OF

High-Grade Farm
Implements

American Balance Frame Cultivator.

It is reasonable to expect a Balance Frame Cultivator to Balance.

Our American Balance Frame Cultivator is at a perfect balance at all times and under all conditions, and it can be handled with one-half the effort of other machines.

Here are the reasons:—

The Combination Lever.

There are two levers, each independent of the other, operated by a separate spring, which can be locked or allowed to float, and these are connected to the center or balance lever. To raise both sections, as in turning around, it is simply necessary to release the balance lever, and the spring with the weight of the driver raises the sections and at the same time carries the frame forward, effecting a perfect balance.

Notice that it is all done by one lever and with one hand, and it operates so easily that a child can readily handle it, and it balances perfectly all the time.

To adjust tread, simply reverse the wheels.

There are several reasons why it gives better satisfaction than any other.

EQUIPMENT.

We furnish the American Balance Frame Cultivator with Four, Six, Seven, Eight or Nine Shovel Sections, or with Spring Teeth.

Hilliers,

Shields.



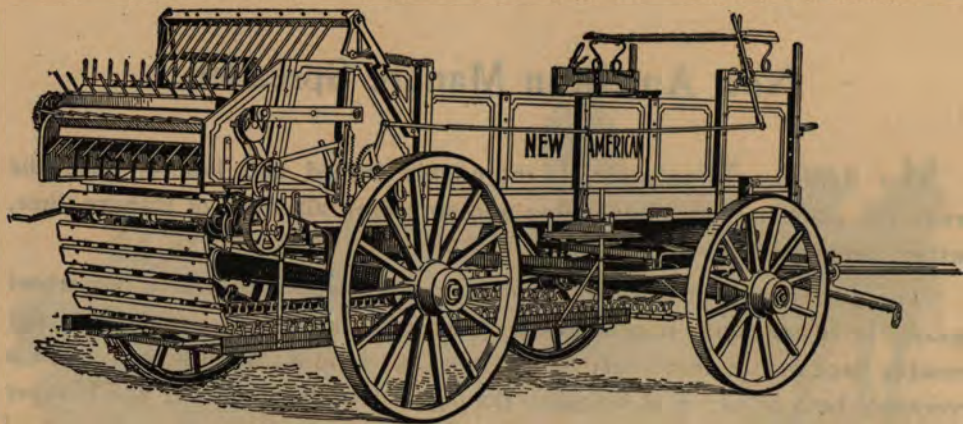
New American Manure Spreader No. 3—100 bushels.

New American Manure Spreader.

Our Spreader is substantial, thoroughly ironed and braced, with the requisite machinery for pulverizing and spreading all kinds of manure, lime, ashes, commercial fertilizer, etc.

The power is a sprocket and chain. It has advantages over a cog wheel gear. It is not rigid; it provides a "slack" for the team to start; it is not readily bent out of true; rust or dirt does not bind it; it does not require a veritable bath of oil; it is stronger than gear wheels; it's easier and cheaper to replace or repair; there is less wear on it; it adjusts itself to the jolt of the wagon and is thus free from strain.

In truth, our chain and sprocket is an easy running, lasting gear; devoid of the usual friction, and that is one reason for the light draft of the New American Spreader.



No. 2 with Farm Truck.

From S. R. DICKEY,

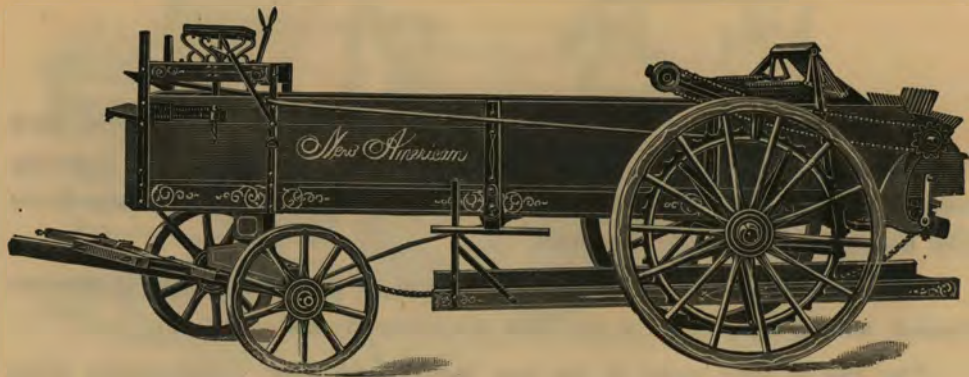
Oxford, Pa.

Gentlemen:—We have given the Manure Spreader bought of you a thorough trial, and are very well pleased with it. It has advantages over any machine of the kind that we have seen, chief among which are its large capacity, light draft, ease with which it is regulated without stopping, and the evenness with which it distributes the manure.

The bottom runs out and in on 14 anti-friction rollers; no scraping back and forth on the bottom of box, no side motion, no contact with anything except these rollers. Indeed, the play is so sensitive a person can easily shove the bed in and out with one hand.

No other Spreader can boast of this kind of a Bed, and that is another reason for the light draft of the New American Spreader.

The box is built wider at the rear than at the front, consequently when the load starts backward it is freed from the sides of the box; it cannot bind or wedge; it rides on the moving bottom unobstructed.



New American Manure Spreader No. 2, With Special Trucks.

From E. QUIRK.

Fulton, N. Y., June 30th.

Gentlemen:—I bought one of your' Spreaders last season and find it to do the work exactly as represented, and am very much pleased with it.

The Feed is regulated by a lever at the driver's seat, and can be changed from light to heavy or to any intermediate quantity in an instant without stopping the team.

By one lever you throw the spreading machinery into and out of gear and regulate the quantity, spreading it just as much or just as little as suits you.

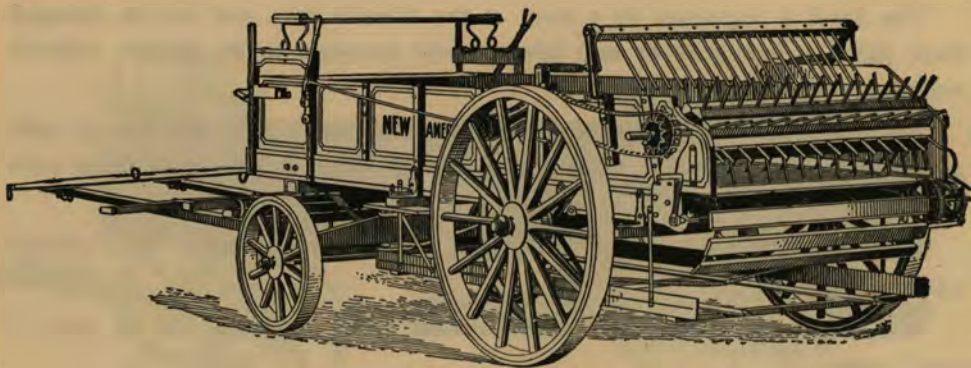
Will spread from the thinnest sprinkle to the heaviest layer. And always uniformly.

When the team stops the machine need not be thrown out of gear to start again.

No end board is needed to hold load away from cylinder till under way. Instead, the team starts up again without extra strain to themselves or to the machine.

When the load is deposited, the bottom trips itself and winds back into position as the horses walk along.

Or the bottom may be wound back by hand.



New American Manure Spreader No. 3—100 bushel capacity.

From R. C. HAMMET,

Camargo, Ills., November 11.

Gentlemen:—The more I watch the way your Spreader works, and the kind of work it does, the more certain I am that it is the best and cheapest machine on the market.

If you want a testimonial from me, write it yourselves, and I will sign it, providing you put it in raised letters.

EQUIPMENT.

Nos. 2, 02, and 3, are furnished with non-detachable trucks, and equipped as follows:

No. 2—44 inch rear wheel, 4 inch tire, 2 H. H., Single Pole.

No. 02—48 inch rear wheel, 4 inch tire, 3 H. H., Single Pole.

No. 3—48 inch rear wheel, 5 inch tire, 3 H. H., Double Pole.

SPREADER ATTACHMENTS.

The spreader attachments can be used on the ordinary farm wagon, and, above the wheels, have the same mechanism as the complete spreader.

We furnish, if desired, a first-class farm truck with 3½ inch tire, substantially made and up-to-date in every respect.

In ordering attachments, specify diameter of rear wheel, width of tire, number of spokes and distance between stakes.



New American Manure Spreader Attachment No. 1 or 2.

Will fit ordinary Farm Truck.

From W. P. IJAMS,

Warren Park Farm, Terre Haute, Ind., Jan. 12th.

Gentlemen:—I am much pleased with the New American Manure Spreader I bought. It works perfectly, and I only wonder how I ever got along without it. Herewith is my check to pay for it.

DIMENSIONS AND CAPACITY.

- No. 2—13 ft. long, 23 inches deep, 42 inches wide, Holds 60 bushels.
No. 02—10½ ft. long, 23 inches deep., 56 inches wide, Holds 70 bushels.
No. 3—13 ft. long, 23 inches deep, 56 inches wide, Holds 100 bushels.

SPREADER ATTACHMENTS.

- No. 1—13 ft. long, 23 inches deep, 38 inches wide, Holds 50 bushels.
No. 2—13 ft. long, 23 inches deep, 42 inches wide, Holds 60 bushels.

All Shafting is of first quality cold rolled steel; bearings babbeted.

The NEW AMERICAN MANURE SPREADER is the largest made; lightest in draft; broadest in purpose; most perfect in execution.

NEW AMERICAN MANURE SPREADER.

From MULLEN & HUNTER,

Gilmore City, Iowa, August 9.

Gentlemen:—Your Mr. Goodwin was here this morning and started the Spreader. It worked fine and the man is well pleased with it. I hope we will have a good trade on this machine. I think it is the best machine of its kind I ever saw work.

From E. P. BOSBYSHELL,

Los Angeles, Cal., Jan. 22.

The No. 3 New American Manure Spreader we got of you, was sold on arrival here to the Cudahy Ranch near this city; and their foreman reports it the most satisfactory implement he has on the place.

They have used it almost constantly since getting it, and have *had nothing get out of order*. It handles and distributes all kinds of manure in the most perfect and satisfactory manner.

11,000 acre Ranch of CARPENTER & SANBORN.

Pukawana, South Dakota.

The No. 3 New American Manure Spreader has been received and we have tried it thoroughly. So far it has worked to our entire satisfaction. We have hauled out a net weight of 6,310 pounds of wet manure, and it spreads it very well indeed. Have also loaded it with frozen lumps from four to twelve inches in diameter, and it handles them in good shape.

J. S. SANBORN.

From C. D. Fox.

Beloit, Wis., September 10th.

Gentlemen:—I want to express my satisfaction of your New American Spreader.

You have hit the nail square on the head. I am more pleased with it every time I use it. It acts like a thing of life.

Have tried it on fine, coarse, wet, dry and mixed manure, and it comes out ahead every time. I have long thought that 50% labor and a big value in manure were lost for want of just such a machine.

It has never been my privilege to use a machine that did the work for which it was intended more perfectly than this.

I would rather haul and spread manure with it than attend the average picnic. I am willing to load manure just to see the thing spread it.

If you want a testimonial from me write it yourself. Write it in capital letters. You can't overdo it, and I will sign it.

From THOS. J. WEST,

Ripon, W. Va., Jan. 22d.

Gentlemen:—I have given the No. 3 Manure Spreader bought of you a thorough trial, and am pleased to state that it does satisfactory work. The draft is very light for so large a machine, and it distributes the manure evenly over the ground.

The manner of changing the feed without stopping the team is perfect and of great advantage.

I predict a good sale for the Spreader in this section.

From J. K. P. BIGELOW,

Belleville, N. Y., July 8th.

In August, 1900, I purchased of the American Harrow Co., through their agent, Mr. Crittenden, one of their New American Manure Spreaders. It is a strong, well built machine and does good work. I have used it in spreading different kinds of manure and am well pleased with it. In fact, the more I use it the better I like it. It saves a vast amount of time and hard labor. I can spread a large load with it in 2½ minutes. I have a medium-sized team, and they handle it without any trouble. I apply my manure to the grass land in the fall, as I have found by experience that this is by far the best way to apply manure.

From MEADOW BROOK FARM.

Burlington, Ky., November 18.

Gentlemen:—We have spread 2,000 loads of manure with the Spreader bought of you a year ago. It does fine work, and is of easy draft. We manured a 40 acre corn field when the corn was a foot high by stradling every other row, and worked it in with the cultivator. You should have seen it grow.

From S. E. FRY,

St. Charles, Ohio, October 27th.

Gentlemen:—Received the Manure Spreader on Oct. 1st, which I bought of your agent at the Ohio State Fair; also the Truck Scale. Have tried the Manure Spreader in almost every kind of manure and am delighted with the work it does, even in long wet straws. As per contract, enclosed you will find check.

From T. D. MURRAY,

Orland, Ind., February 8th.

Gentlemen:—I think your New American Manure Spreader is one of the best investments that a farmer can make. It makes the manure cover more ground, and deposits it uniformly.

I cannot see that it pulls any heavier when working than when merely hauling it loaded—and that's easy enough for any two nags.



New American Manure
Spreader No. 2.

On Farm Trucks, with
bottom Half Way Out.

From NOAH HORINE.

Castine, Ohio, May 15th.

Gentlemen:—I desire to say that the New American Manure Spreader purchased of your agent, Mr. A. H. Judy, is all and everything you claim for it. I hauled coarse and fine manure, and frozen and slushy manure, and it scattered it as perfectly in one shape as another. I was surprised, and so were my neighbors, how light the draft is. The feed is simply perfection, as is the reversible feature for rolling back the bottom. I would not do without it for twice what it cost me.

From G. G. THOMAS,

Findlay Lake, N. Y., July 16.

Gentlemen:—The Manure Spreader I bought of you three years ago has given perfect satisfaction—it has done all and in fact more than you claimed it would. The Spreader speaks for itself, and I think any farmer with ordinary intelligence as to manure value and raising of crops can readily comprehend its usefulness.

From HENRY BRANT,

Bay City, Mich., August 27th.

Gentlemen:—This is to certify that the New American Manure Spreader I purchased of Messrs. Presley & Laver works to my entire satisfaction, and I take pleasure in recommending it to others.

From VOLNEY C. AYER,

Medina,, N. Y.

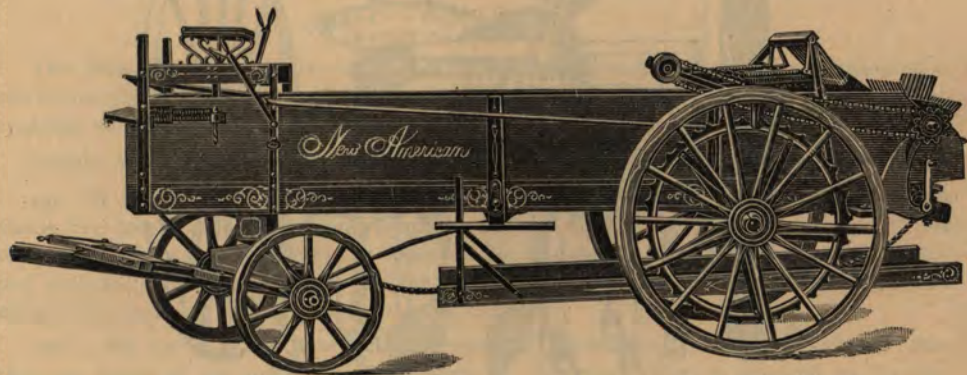
Gentlemen:—I have given your Spreader and the ——— Spreader a trial in the same field and the same kind of manure.

I have concluded to and do accept your Spreader, believing it did better work and was easier on the team. It's much stronger, too.

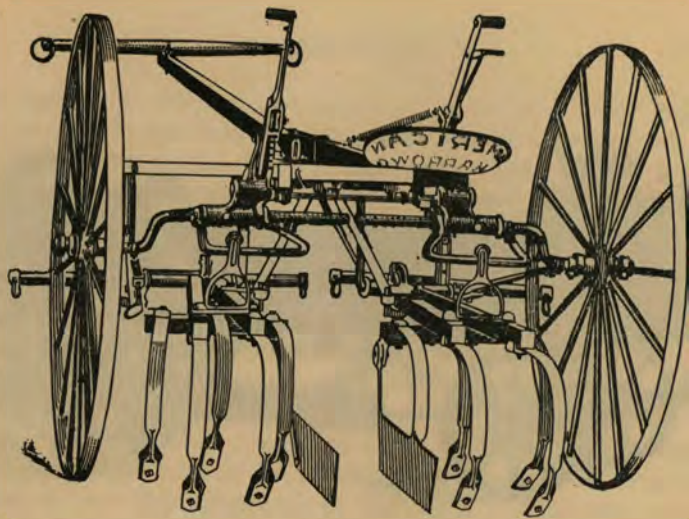
You may leave one of your cultivators here, and if it does as good work as the Spreader, I will buy one.

MANURE SPREADERS PAY.

The advantages of the Manure Spreader over the old or ordinary way of hauling manure, are greater in comparison than the present way of cutting the hay or harvesting the wheat over the old-fashioned scythe and cradle. The mowing machine and binder are simply labor-saving devices, and the farmer must get his money out of them in the labor and time saved by their use; they will, of course, eventually pay for themselves. The Manure Spreader will pay for itself much sooner than any other farm implement, from the fact that by its use twenty-five to thirty loads of manure can be spread in the same length of time as seven or eight by hand. Then it also saves manure and twice the acreage can be covered with the same amount of manure as when spread by hand. This is because the manure is finely pulverized, and evenly distributed. It leaves no bare spots, neither does it leave the manure in bunches as is done when spread by hand. We have repeated instances where by top-dressing the meadows, an increase of hay crops followed, and one to two tons per acre more hay is cut; also by top-dressing wheat fields it has increased the yield eight to ten bushels per acre. These are facts that are being practically demonstrated on hundreds of farms throughout the United States, and we have repeated instances where the Manure Spreader has paid for itself the first year.—Extract from a recent issue of Farm and Home.



No. 2, With Special Trucks.



New American Cultivator, Double Lock Lever, Long Telescope Arched Axle, Center Sections removed. Patent Reversible Points on the Teeth.

New American Cultivator.

The New American Cultivator is so well and favorably known, a description of it seems hardly necessary. For many years it has been popular, and the constantly increasing sales is satisfactory evidence that its friends are sincere and appreciative:

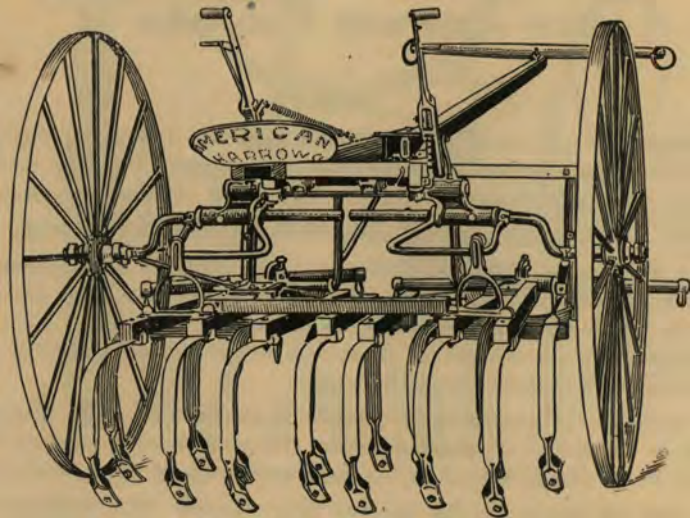
Briefly some of the reasons for the success of the New American are.

1st. It is a Harrow as well as a Cultivator, and with the full section cultivates about five feet wide. The spring tooth machine is equipped with three sections of five teeth each. The Center Section is removed for cultivating row crops. It can be equipped with as many as eleven shovels for those who prefer Shovels to Spring Teeth, and either one, three or five removed for row crops.

2nd. The sections are controlled by positive Lock Levers, which absolutely control the depth of cut under all circumstances. No more effort is required on the part of the operator where the ground is exceedingly hard, than in light, sandy soil.

He simply sets the levers and the machine does the rest. This insures uniform and level cultivation to a degree impossible to obtain with any other Cultivator.

The Sections are hung on rollers that travel on a horizontal bar, and are connected by an Adjustable Arch. They guide very easily and can be shifted instantly.



New American Cultivator, Double Lock Lever, Long Telescope Arched Axle, Spring
Tooth Section Complete, Patent Reversible Points on the Teeth.

3rd. The Telescope Axle provides the most convenient method of adjusting width of track, and is long enough so that the wheels can be set to straddle three rows of Beans or other narrow row crops. In this way two rows can be finished at one time. *The Axle is arched at a point near the hub of wheels, giving the machine a very high lift and ample clearance between the sections and the ground.*

4th. A Clevis at rear end of the pole enables the operator to set the sections to run level with any sized team.

NEW AMERICAN EQUIPMENT.

Double Lock Levers.

Arch, or Single Lock Levers.

Chain and Foot Levers.

Telescope Arched Axle.

One-Piece Axle.

Crimped Spring Teeth with Patent Reversible Points.

Reversible or Single End Shovels with stiff Beams.

High or Low Seat.

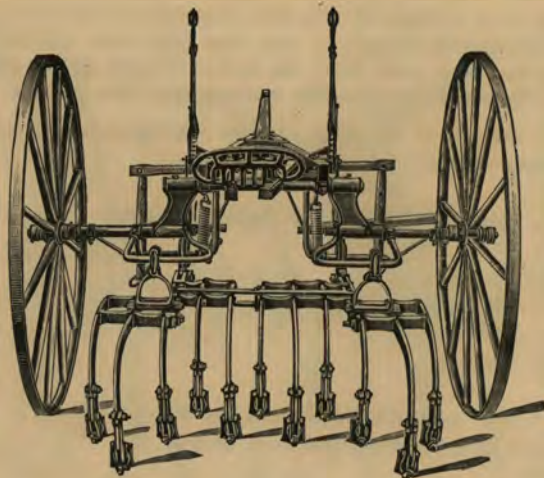
Wood or Steel Wheels.

Hilliers, Shields, Arch and Wrench.

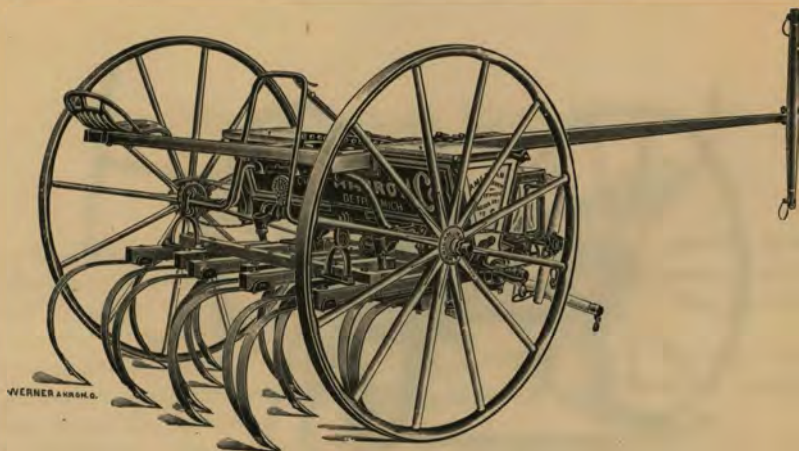
Bean Harvester Attachment.

Grain Seeder Attachment.

Grass Seeder Attachment.



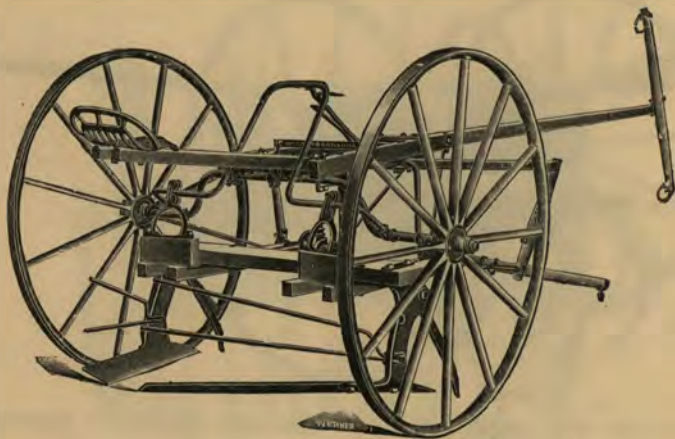
New American Cultivator, Double Lock Levers, Short Telescope Axle, Eleven $2\frac{3}{4}$ inch Shovels, Pin Break. One, Three or Five Shovels may be removed for cultivating Row Crops. Reversible or Single End Shovels.



New American with Grain Seeder and Fertilizer Distributor Attachments.

Broadcast Grain and Grass Seeders and Fertilizer Distributor Attachments may be attached to the New American Cultivator with either Spring Tooth or Shovel Sections. They have positive Force Feed, and do first-class work.

The New American Harrow and Cultivator with Seeder and Bean Harvester Attachments will prepare the Soil, Sow the Grain, Cultivate Row Crops, and Harvest the Beans. Could you buy a more useful implement?



New American Bean Harvester, Arch or Single Lever, One-Piece Axle. The Bean Harvester works equally well on the New American with Double Lock Levers and Telescope Axle.

The New American Bean Harvester.

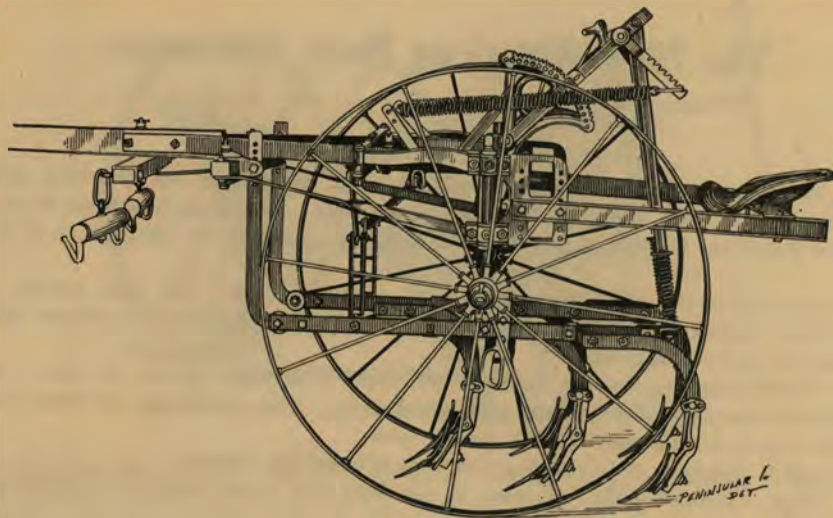
The New American Bean Harvester is sold as an attachment for the New American Cultivator, or as a complete independent machine. The Attachment can be put on any New American Cultivator whether that machine has been in use one or a dozen years.

No more successful Bean Harvester could be constructed. The lock Levers give the operator absolute control of the knives, and the Pole Adjustment enables him to set them in correct position.

The Knives are long and set to cross the rows at a slight angle, so that it pulls all the Beans evenly and easily, and without shelling. The advantage of these knives over short ones set abruptly will be readily seen.

Reversible Coulters clear the way for, and protect the knives.

The New American pulls two rows at one time and leaves them in a windrow. Harvests 12 to 18 acres per day.

AMERICAN PIVOT AXLE CULTIVATOR.

American Pivot Axle Cultivator.

American Pivot Axle Cultivator.

The AMERICAN PIVOT AXLE CULTIVATOR is designed for the man who wants the best results with the least effort.

This machine will work on the steepest side hill and follow the most crooked row with better results and less actual work on the part of the operator than any other machine made.

Contrary to ordinary custom the sections are hinged to the frame, and the frame is hinged to the axle. There are no levers required to pivot the machine, the operator simply works the sections as with the ordinary cultivator.

The seat arms are attached to and form part of the pivot mechanism, so that when the sections are shifted to one side the weight of the body, which is naturally shifted in the opposite direction, aids in pivoting the wheels.

Thus the double movement of pivoting the wheels and swinging the sections is done as easily as swinging the sections alone on an ordinary cultivator.

The levers are the same as used on the Junior cultivator, see page 33.

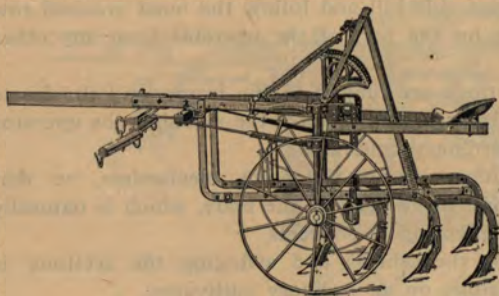
To adjust tread, reverse the wheels.

We equip this machine with Four, Six, Seven, or Eight Shovels, 10 or 13 Crimped Teeth.

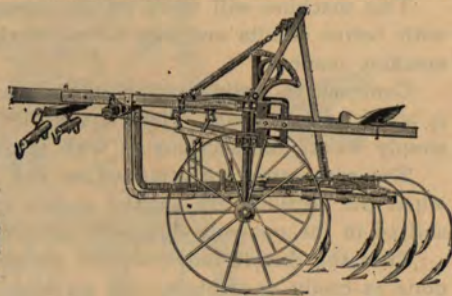
Hilliers.

Bull Tongues,

Shields.



Eight Shovels.



Spring Teeth.

American Junior Pivot Axle Cultivator.

The frame and general construction is the same as the Senior Pivot Axle, (see page 31) but the machine is made narrower, so that it will track to the center of a 36 inch or 42 inch row.

The sections work out behind the wheels and it cultivates as much space as the ordinary cultivator.

It will commend itself to growers of Potatoes, Beans, Tobacco, and all crops planted in narrow rows.

The levers are our well known combination lock or float style, with spring pressure, and to each lever is attached an adjustable spring, so that the sections are handled with perfect ease.

A center lever regulates space between sections, and can be changed instantly.

For ordinary adjustment of tread, simply reverse the wheels.

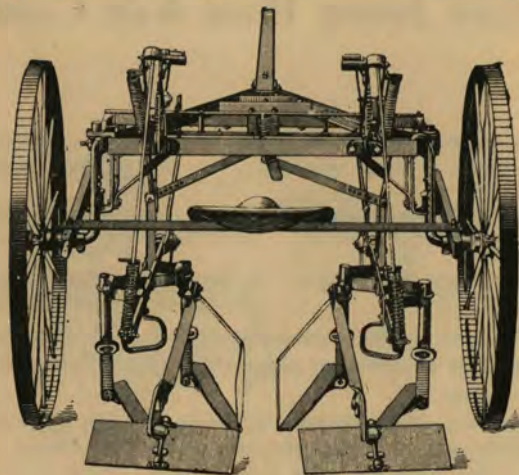
We equip this machine with Four, Five, Six, Seven, Eight, or Nine Shovels, 8 or

11 Spring Teeth.

Shields.

Bull Tongues.

Mouldboard Hillers.



American Surface Cultivator.

American Surface Cultivator.

This is a Pivot Axle machine, in fact the Surface Sections are attached to our Pivot Axle Cultivator Frame, and the advantages of a Pivot Axle apply as well on a Surface Cultivator as on any other.

It has two levers which can be changed instantly from lock to float or vice versa.

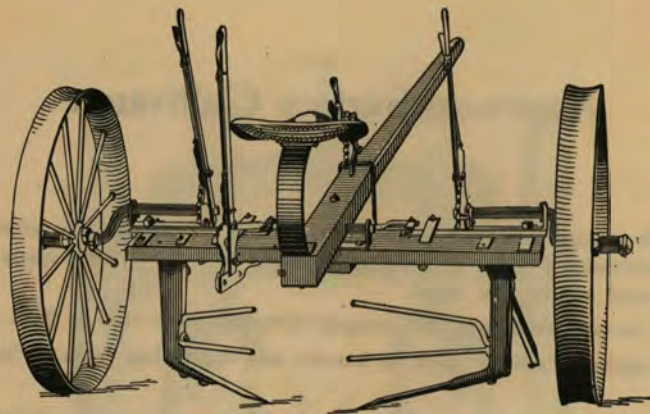
Adjustable springs make it easy to handle, and the spring pressure insures uniform cultivation.

The Center Lever, within convenient reach, changes distance between sections without stopping team.

The blades can be set at any angle or any pitch. The levelers are held in position by a strong flat spring, and are also adjustable.

All adjustments are easily accessible, and can be quickly made.

The sections are held securely in position by the Double Goose Neck without the cumbersome arch used in other Surface Cultivators.



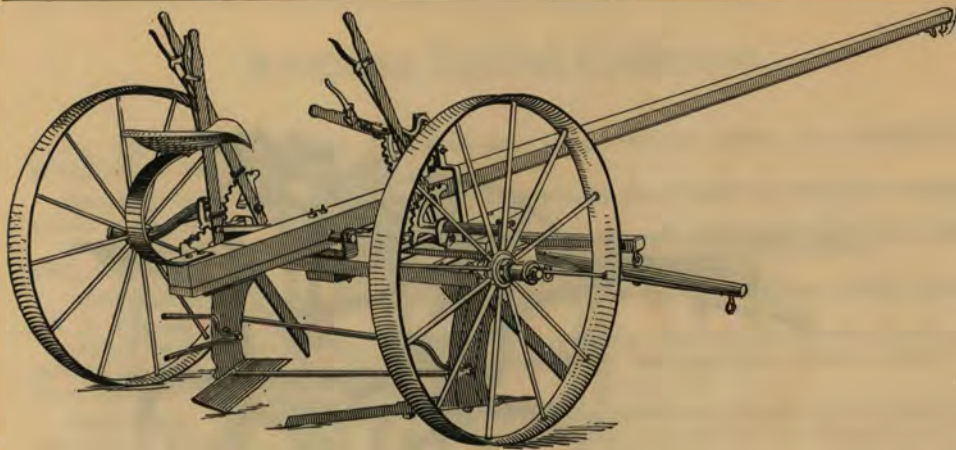
Detroit Bean Harvester.

Here are some good features embodied in its construction:

It has pivot axles.

Each knife independent of the other.

Knives can be tilted front or back instantly.



Detroit Bean Harvester.

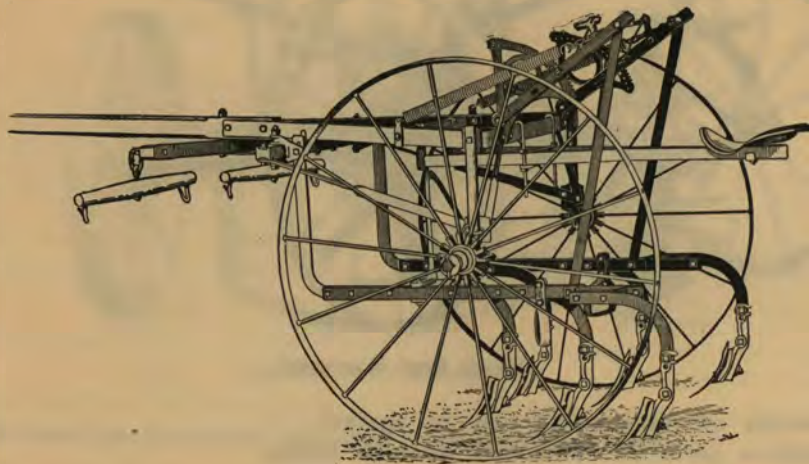
Levers convenient and easy to operate.

Knives perfectly controlled by lock levers.

Will not slide on a side hill.

Well made of good material.

The tires on the wheels are four inches wide and concave on the outside, thus preventing the machine from slipping sideways, and insuring a steady, uniform operation.



American Special Cultivator.

American Special Cultivator.

For the man who wants a good Cultivator at a moderate price, our AMERICAN SPECIAL is designed.

FRAME—The frame is our well known Angle-Frame principle in which the working strain is equally distributed.

No one point, therefore, is called upon to endure any more than any other given point.

LEVERS—The double levers work in conjunction with coil springs which can be set at any tension.

These levers embody our celebrated locking device whereby the teeth may be set just as far into the ground as circumstances call for, and stay right there, or they can be released to float.

WIDE OR NARROW—The wheels have hubs which are longer on one side than the other. This affords the simplest method we have heard of, of widening or narrowing the machine.

SEAT—The seat is also adjustable both in and out, and up and down.

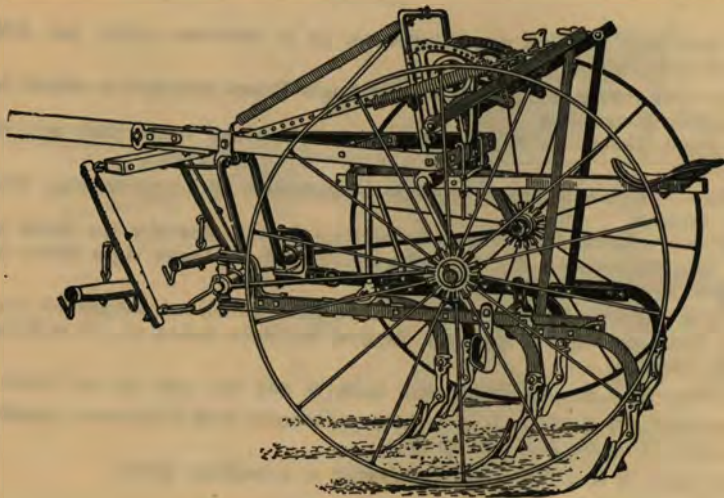
The AMERICAN SPECIAL is a compact, stoutly built Cultivator, capable of doing the finest kind of work and lots of it.

In a nut-shell, it is a first-class Cultivator at a medium price.

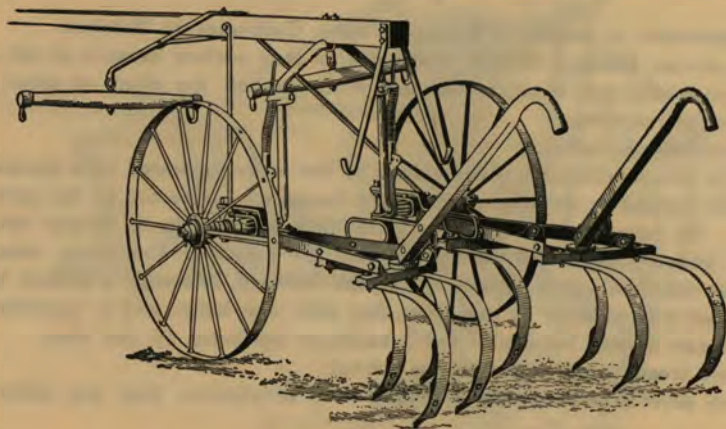
It is built with:

- 4 Shovel sections;
- 6 Shovel sections;
- 8 Shovel Eagle Claws;
- 10 Spring Teeth sections.

A center section of 3 Spring Teeth may be attached for fallow harrowing.



American Balance Frame Cultivator.



The New Detroit Walking Cultivator.

The New Detroit Walking Cultivator

Is to walking cultivators what the American Balance Frame is to Riding Cultivators, in fact, it is a Balance Frame machine.

The sections are hung on swivel joints which project out in front of the axle. The advantage of this projection is that it brings the weight of the sections in front of the arch, so that when hung up, they are balanced, and when at work easily handled, and the draft is nearer the team, and consequently easier.

No adjustable arch is needed to widen or narrow the track, simply reverse the wheels.

The cardinal points of the New Detroit Walker are: First, light weight; Second, exceptional strength; Third, good work; Fourth, reasonable price.

We don't know how we could build this machine better.

The New Detroit Walking Cultivator will be furnished with—

Four 5 inch Shovels,

Six $3\frac{1}{2}$ inch Shovels,

Eight Spring Teeth,

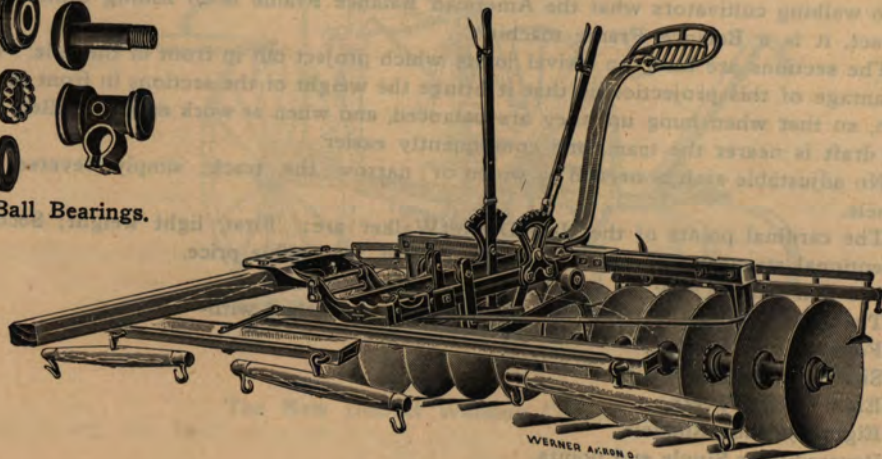
Eight $2\frac{3}{4}$ inch Shovels,

Reversible or Single end points,

Hilliers, Shields and Wrench.



Ball Bearings.



Detroit Disc Harrow.

Detroit Disc Harrow.

A neatly constructed, well braced and perfectly balanced machine.

The two levers are connected with Shifter Bars under adjustable rollers that hold the sections perfectly level while running at any angle.

The Pole Shift is a neat mechanical arrangement which turns on a hinge, and one bolt only is required to hold it in position for either two, three, or four horses.

The three horse hitch places the center horse exactly in the center of the machine.

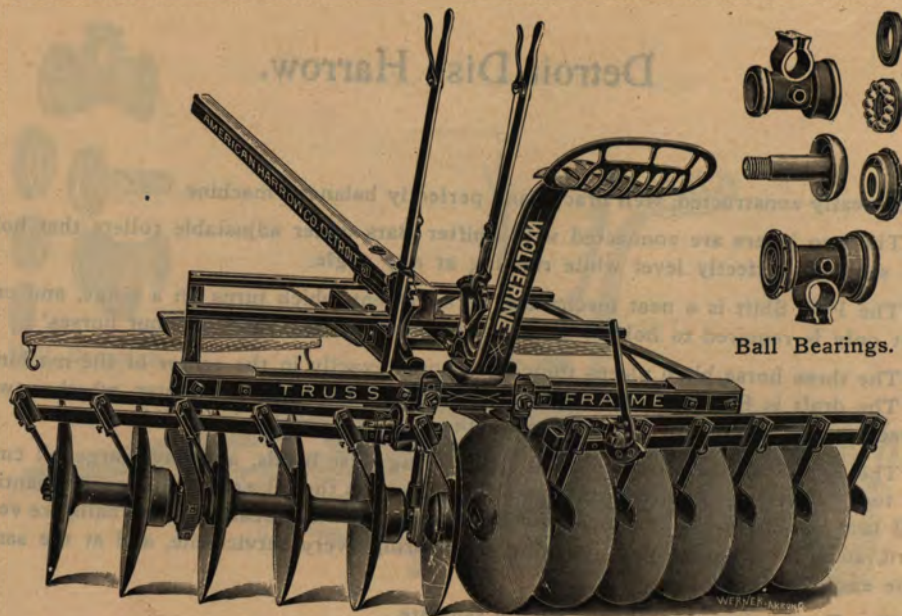
The draft is from the under frame, and always exactly in the center, whether two, three, or four horses are being used, so there can be absolutely no side draft.

The Ball Bearings are made with close fitting dust bands, and have large oil cups on top. This cup is filled with waste which retains the oil, so that the same quantity will last longer, and do better service than with any other bearing. The balls are very hard, and run in chilled rings, making the bearings very serviceable, and at the same time easily renewed.

The Detroit Disc has always been a favorite.

It is made in 13 sizes. See Page 49.

WOLVERINE DISC HARROW.



Wolverine Disc Harrow.

Wolverine Disc Harrow.

TRUSS FRAME.

No stronger mechanical construction is known, and a more securely braced frame could not be made.

SCRAPERS.

A flat steel blade is riveted to an adjustable steel spring. One lever controls the scrapers for each section. A worm wheel regulates the position of the scraper, and holds it wherever placed. Under ordinary conditions they will thoroughly clean the discs without quite touching them, thus avoiding the friction that makes heavy draft.

POLE ADJUSTMENT.

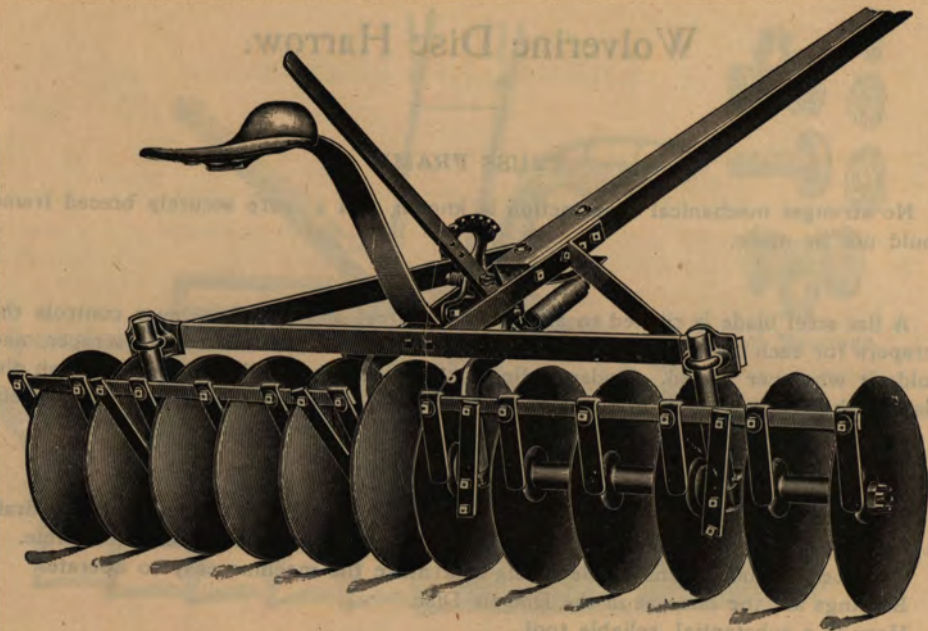
The pole may be set on the right side or on the left, for three horses. The draft is always from a center pinion underneath the frame, making side draft impossible.

Two Levers and a comfortable spring seat make the machine easy to operate.

Bearings are the same as in the Detroit Disc.

Here is a substantial, reliable tool.

13 sizes. See Page 49.



Peninsular Disc Harrow.

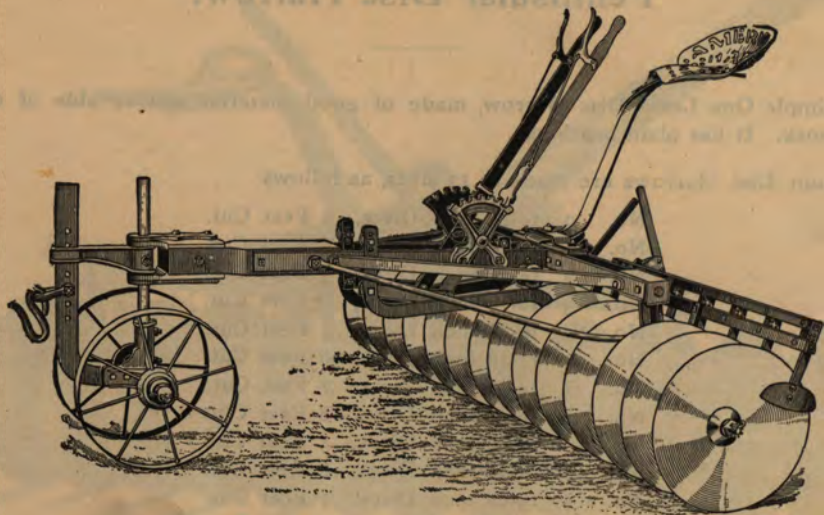
Peninsular Disc Harrow.

A Simple One Lever Disc Harrow, made of good material and capable of doing good work. It has plain bearings.

All our Disc Harrows are made in 13 sizes, as follows.

No.	0	10-16 inch Discs,	5 Feet Cut.
No.	1	12-16 inch Discs,	6 Feet Cut.
No.	2	14-16 inch Discs,	7 Feet Cut.
No.	3	16-16 inch Discs,	8 Feet Cut.
No.	00	10-18 inch Discs,	5 Feet Cut.
No.	4	12-18 inch Discs,	6 Feet Cut.
No.	5	14-18 inch Discs,	7 Feet Cut.
No.	6	16-18 inch Discs,	8 Feet Cut.
No.	000	10-20 inch Discs,	5 Feet Cut.
No.	7	12-20 inch Discs,	6 Feet Cut.
No.	8	14-20 inch Discs,	7 Feet Cut.
No.	9	16-20 inch Discs,	8 Feet Cut.
No.	11	20-20 inch Discs,	10 Feet Cut.

Furnished with Two, Three, or Four Horse Hitch, Weight Boxes when ordered.



Legal Tender Disc Harrow.

Legal Tender Disc Harrow.

The **LEGAL TENDER DISC HARROW** will save its cost in horse flesh in a very short time. Everyone knows that a sensitive team will show more loss of flesh and greater irritability in working a week with the ordinary Disc than they would working a month with the plow.

The reason for this is the annoyance caused by the pole and the heavy draft of the ordinary machine. The Legal Tender has no pole, and is built to draw easily.

The Forward truck does away with all the faults of the ordinary Disc Harrow. There is certainly no neck weight, the machine guides very easily, there can be no side draft, the depth of cut is even at all times, a very short and a very easy turn can be made, and in fact anything that a Disc should do, the Legal Tender will do.

The Frame is built to give the greatest possible strength. It is of the brace pattern, and combines neatness with durability.

The Levers, Bearings and Scrapers are the same as used on our Detroit Disc. We build this machine in 13 sizes. See page 49.

Warehouses.

We have a Stock of Machines and Extras at the Following Points:

Central Union Transfer & Storage Co., Rochester, N. Y.

Montgomery & Co., Harrisburg, Pa.

Long & Kroner, Philipsburg, N. J.

Merchants' Transfer Co., Des Moines, Ia.

Joliet Warehouse & Transfer Co., Joliet, Ill.

Illinois Warehouse Co., Peoria, Ill.

Union Transfer & Storage Co., Indianapolis, Ind.

Ohio Transfer & Storage Co., Columbus, Ohio.

Standard Warehouse Co., Minneapolis, Minn.

Cedar Rapids Transfer Co., Cedar Rapids, Ia.

Western Transfer Co., Sioux City, Ia.

H. F. Sharratt, Madison, Wis.

The Rhodes Implement Co., Kansas City, Mo.



AMERICAN HARROW CO.

DETROIT, MICH. U.S.A.

NEW AMERICAN MANURE SPREADER.

LARGEST CAPACITY
LIGHTEST DRAFT 5 STYLES { 50 or 60 Bu. ATTACHED TO FARM WAGON
60 - 70 or 100 Bu. WITH SPECIAL TRUCKS

NEW AMERICAN CULTIVATOR.
AMERICAN PIVOT AXLE CULTIVATOR.
AMERICAN JUNIOR PIVOT AXLE CULTIVATOR.
AMERICAN BALANCE FRAME CULTIVATOR.
AMERICAN SPECIAL CULTIVATOR.
NEW DETROIT WALKING CULTIVATOR.
NEW AMERICAN BEAN HARVESTER.
DETROIT BEAN HARVESTER.
DETROIT BALL BEARING DISC HARROW.
WOLVERINE TRUSS FRAME DISC HARROW.
PENINSULAR ONE LEVER DISC HARROW.
LEGAL TENDER POLELESS DISC HARROW.
DETROIT TRUCK SCALE.

AMERICAN HARROW CO.

DETROIT, MICHIGAN. U.S.A.

MAKERS OF HIGH GRADE FARM IMPLEMENTS.