

P. P. Mast & Co.

Manufacturers of

BUCKEYE

Grain Drills,
Broadcast Seeders
and Sowers,
Riding and Walking
Cultivators,
Combined Cultivators,
Spring Tooth
Cultivators,



Hay Rakes,
Spring Tooth Harrows,
Cotton Planters,
Improved
Potato Diggers,
Eider Mills,
Card Presses,
Etc., Etc.

CULTIVATORS

Springfield, Ohio.

BRANCH HOUSES:

216 NORTH BROAD ST.,
PHILADELPHIA, PA.

811 NORTH MAIN ST.,
ST. LOUIS, MO.

1316 WEST TENTH ST.,
KANSAS CITY, MO.

33 MARKET ST.,
SAN FRANCISCO, CAL.

409-411 SOUTH FOURTEENTH ST.,
OMAHA, NEB.

109-110 NORTH WASHINGTON ST.,
PEORIA, ILL.

MAST, BUFORD & BURWELL CO., ST. PAUL, MINN.

Ag't



No. 1.—Walking Cultivator with Iron Beams, Four Shovels, Rotary or Drag Shields and Springs.

THE NEW BUCKEYE WALKING CULTIVATORS, *IMPROVED FOR 1886.*

We place the NEW BUCKEYE before you, feeling confident that it has no equal in the market. The following are a few of its many points of superiority:

Width Between Beams.—There has been a growing demand for a Cultivator arranged so that the front ends of the beams can be thrown *close together*, so as to bring the shovels close to the young corn, and at the same time *draw in direct line*. This we have fully accomplished in our new coupling, as we can now bring the shovels within two inches of the center of the row, and at the same time draw in a direct line without any outward pressure.

Adjustable Shovels.—All the shovels, both for wood or iron beams, are easily adjusted, and can be set so as to throw the dirt to or from the corn by loosening a single bolt.

Beam Coupling.—We know the improved coupling used in the *Buckeye* cannot be surpassed. While being free from any looseness, allowing the beams to swerve or "wobble," it is perfectly free to be moved laterally or vertically, and is simple and cannot get out of repair.

Number of Shovels.—We have so arranged the NEW BUCKEYE that we can use four shovels in cultivating corn, and five or six for cultivating fallow, also Seeding Attachment.

Springs.—Our new DOUBLE ACTING springs, which have been thoroughly tested the past season, are acknowledged by every practical farmer and dealer who have examined them, to be *decidedly the best in the market*. They are very simple in construction, and so arranged that they are not liable to get out of order; they are so arranged that when the cultivator is in operation there is a downward pressure to hold the beams steadily in the ground, and when out of the ground to raise them high enough to hook up without any effort on the part of the operator, thus taking off the heavy strain on the shoulders, as is the case with other springs. They are easily adjusted so as to make the pressure up or down *stronger or lighter*, to suit the different kinds of soil. We feel warranted in asserting that any person who will try the Buckeye Cultivator with our *New Springs* will never use any other.

Single or Double Tongues.—We make them with either Single or Double Tongues, and we want all of our customers to be particular in ordering to state which style they want. The Cultivators are precisely the same in other respects.

Shields or Fenders.—We furnish either the celebrated *Rotary Shields* or the common Drag Shields as desired.

Security Against Breakage.—All our shovels, whether on wood or iron beams, are provided with the most improved safety pin break, thus insuring security against breakage.

No. 3.

BUCKEYE WALKING CULTIVATOR,

*With 6 Shovels, 6 Beams, Rotary Shields
and Springs.*



This Cultivator is substantially the same as our No. 1 Walker, *except that it has six Beams and six Shovels instead of four Beams and four Shovels*, the Shovels being narrower than the ordinary Shovels and made oval and reversible. By using three small shovels on each side of the row of corn instead of two large ones, it leaves the ground in a much better condition and thoroughly cultivates all the space between the rows. We also furnish with it (at a very reasonable price) a pair of Bar Share Shovels for hilling when desired. After thoroughly testing this Cultivator through one season we feel justified in recommending it to the farmers as one of the most perfect Corn Cultivators ever put in the field. We also furnish a Single Center to go with it, which makes it a perfect Seven Shovel Fallow Cultivator, also a Broadcast Seeding attachment.

No. 7.

Junior Combined Riding and Walking CULTIVATOR,

*With Iron Beams, 4 Shovels, Rotary or Drag Shields,
Levers, Springs and Adjustable Iron Axle.*



This is either a Riding or Walking Cultivator, and is so constructed that it is especially adapted to either mode, and very easily operated either way. We invite your attention to some of the advantages this Cultivator possesses, and we confidently assert that as a combined Riding and Walking Cultivator it has no superior, and we think no equal in the market. Some of its advantages and important features we enumerate as follows:

It has a *Double Tongue*, spread sufficiently wide behind to allow the operator to have, when either riding or walking, a plain view of the row, and keep the horses from getting close together to obstruct that view.

It has the favorite *Rotary Shield*, the only practical Shield in use, which not only protects the young plants, but entirely remedies the difficulty of clogging with stalks or other trash.

It is adjustable to any required depth by means of a chain attached to the beams and pivot posts, which allows it to adjust to a greater or less width between the shovels instantly. The shovels can also be raised out of the ground by the Foot Treadles or Levers for turning around at the end of the row, or hooked up under the axle to go from field to field. The shovel braces are provided with wooden pins to prevent breaking the shovels, and also adjust them to run deep or shallow.

The wheels and axles are sufficiently high to pass over corn in last plowing. It is also easily arranged for marking out corn ground, and with the Single Center Attachment is a complete cultivator for plowing in wheat, oats, barley, etc., or for stirring fall plowing and for cultivating fallow ground.

From the past success of this Cultivator and the high recommendations of those who have used them, and with the improvements recently added, we confidently assert that the **BUCKEYE JUNIOR RIDING AND WALKING CULTIVATOR** has no superior in the market.

The Seeding Attachment can be put on this Cultivator when desired.

—4—
No. 8.

Senior Combined Riding and Walking CULTIVATOR,

*With Iron Beams, 6 Shovels and 6 Beams, Rotary
or Drag Shields, Levers, Springs and
Adjustable Iron Axle.*



This Cultivator is substantially the same as our No. 7 Junior in its general construction. *It has an adjustable Iron Axle so arranged that the width between the wheels can easily be changed to suit the different width of corn rows, which is a very desirable feature; and it also has six instead of four Beams and Shovels, the Shovels being narrower than the ordinary Shovels and made oval and reversible.* By using three small shovels on each side of the row of corn instead of two large ones, it leaves the ground in much better condition and thoroughly cultivates all the space between the rows. We also furnish with it (at a very reasonable price) a pair of Bar Share Shovels for hilling when desired. After thoroughly testing this Cultivator through one season we feel justified in recommending it to the farmers as one of the most perfect Corn Cultivators ever put in the field. We also furnish a Single Center to go with it, which makes it a perfect Seven-Shovel Fallow Cultivator, also a Broadcast Seeding attachment.



No. 8 CULTIVATOR,
WITH SPRING SHOVELS.



SPRINGS FOR SHOVELS.—The above cut represents our *New Spring Shovel* which can be put on any of our Iron Beam Cultivators, either Walkers or Riders; we have given them a thorough test and find they are just what the farmer wants for stumpy or stony ground, as it saves a great amount of time in putting in break pins. The construction of this Spring Shovel is such that you can use the Cultivator with either the springs or break pins.



No. 12.—New Buckeye Senior Cultivator with Levers and Rotary Shields.

THE NEW
BUCKEYE SENIOR
RIDING CULTIVATOR.

This Cultivator, for a Riding Cultivator, has Higher Wheels and is made Heavier and Stronger than the Junior, and we do not hesitate in asserting that it is the best Riding Cultivator in the market, and the following are a few of the good reasons why we think so:

It has the Rotary Shields, the best and only practical shield on the face of the globe.

It has the best new improved Beam Coupling or Hinge in the market, which holds the beams firmly in an upright position, making them run steady and handle easy.

The Shovels are strong, scour well, thoroughly cultivate the ground, are adjustable to throw the dirt to or from the corn, run lighter, and are easily guided around a hill of corn.

It has the most practical and convenient Hand Levers for raising the shovels. These Levers are arranged with ratchet hinges, gauge pins and chains for regulating the depth of the shovels when in the ground, and do away with the necessity of using beam hooks when turning or moving the Cultivator on the road. They pivot over the axle, and it is not necessary to move out of your natural position to operate them, or stick your feet down among the beams and shields.

The depth on either side can be regulated from the seat without stopping the team.

It has High Wheels, and will pass over corn in the last plowing.

It has an improved Adjustable Seat, and is readily balanced for a heavy or light driver, and does not pull down on the horses' necks.

It is sold with four or six shovels for corn, and is readily adjusted to any desired width or depth.

It is the best Field or Fallow Cultivator now before the public, and contains improvements that are absolutely necessary to do perfect work not possessed by any other.

It has five, six or seven shovels for fallow, and is worth its price for a Field or Fallow Cultivator, even if you have no corn to cultivate.



New Senior Buckeye Cultivator with Wood Beams, Wood Standards
and Seeding Attachment.

THE NEW BUCKEYE SENIOR CULTIVATOR, WITH BROADCAST SEEDER.

This is another improvement for 1886. It is furnished with wood beams, has the best new improved beam coupling or hinge in the market entirely doing away with any lost motion, holding the beam firmly in position and is very convenient to adjust to or from the corn. It is provided with the famous Rotary Shields, has convenient Foot Treadles or Levers, and the depth on either side can be regulated from the seat while in motion.

THE BUCKEYE with NEW FORCE FEED SEEDING ATTACHMENT combines all the advantages of a corn Cultivator, a Fallow or Field Cultivator and a Broadcast Seeder in one, and is the only successful one of its kind in the market.

Our New Force Feed Seeding Attachment has the same accurate and reliable feed as the BUCKEYE FORCE FEED GRAIN DRILL and is the nearest PERFECTION of any feed now in the market. It is readily attached or detached to the Sr., Jr. or Walking Cultivators now or previously built.

It is Easily Operated, will sow any desired amount of wheat, rye, barley, oats, flax, etc. The quantity sown is *regulated without any change of gears* simply by moving the INDICATOR on the Dial on the rear of the hopper in plain view of the operator, and can be varied as much or little as the size or condition of the grain may demand.

Our Improved Spout and Scatterer conducts the grain down close to the ground, thus protecting it from the wind and insuring an even distribution of the grain.

The Buckeye Cultivators are sold with four shovels for corn, or with Single or Double Center Fallow Attachments. These improvements place the Buckeye ahead of any of its competitors. No other Cultivator offers so many advantages. No other Cultivator gives such satisfaction.

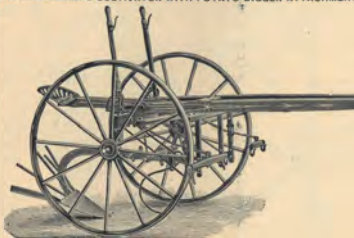
No other Cultivator will suit you as well as the BUCKEYE.

THE NEW BUCKEYE POTATO DIGGER.

*The Most
Complete Digger
Made.*

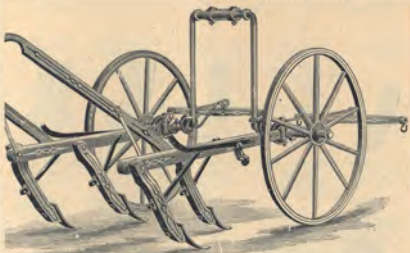


BUCKEYE WALKING CULTIVATOR WITH POTATO DIGGER ATTACHMENT.



BUCKEYE RIDING CULTIVATOR WITH POTATO DIGGER ATTACHMENT.

The above cuts represent the NEW BUCKEYE POTATO DIGGER, as attached to our Buckeye Riding and Walking Cultivators. As you will see, there is nothing to prevent the potato tops or other trash from passing freely off without choking. The Shovel is so arranged that it can be adjusted to run any desired depth. We have thoroughly tested this machine and can cheerfully and confidently recommend it as a perfect success. It requires no change in the Cultivator, except to take off the ordinary beams and attach the DIGGER; the couplings are made to correspond with the couplings on the Cultivator. It is constructed so that it can be attached to any of our Riding or Walking Cultivators. We have quite a number of these Potato Diggers now in use in the hands of some of the largest potato raisers in the country, and they speak in very flattering terms of their work. If you should order a Digger please state whether you wish to attach it to a Riding or Walking Cultivator, so we can send with it the couplings required. When used with the Walking Cultivator, handles will be necessary.



BUCKEYE TONGUELESS, IRON BEAM CULTIVATOR.



BUCKEYE ONE-HORSE FIVE-SHOVEL CULTIVATOR.



ATTACHMENTS.



BUCKEYE ONE-HORSE FIVE-SHOVEL CULTIVATOR
WITH ATTACHMENTS ON.

Shovels for Buckeye Two-Horse Cultivators.

7½. 2 in. B. T. Oval.  No. 100 Back or 2 bolts. Price 50 cts.	8. 2½ in. B. T. Straight.  No. 100 or C84 Back. Price 75 cts.	9. 3 in. B. T. Straight.  No. 100 or C84 Back. Price 75 cts.	10. 4 in. Shovel. Straight.  No. 100 or C84 Back. Price 90 cts.	11. 5 in. Shovel. Straight.  No. 100 or C84 Back. Price \$1.
12. 5½ and 6 in. Shovel. Twisted.  No. A & B100 or C85 and C86 Back. Price \$1.25.	13. 5 in. Oval Shovel.  No. 100 or C84 Back. Price \$1.00.	14. 5 in. Thistle.  No. 100 Back. Price \$1.00.	15. Bar Share.  No. C100 & D100 Back. Price \$4.00 per pair.	
16. Cotton Sweep.  No. 100 Back. Price \$1.75.	17. Cotton Scraper.  No. C100 & D100 Back. Price \$3.00 per Pair.	18. Small Bar Share.  No. C103 & 104 Back. Price \$3.00 per Pair.		
19. New Bar Share.  With Two Bolts, no Back. Price \$2.50 per Pair.	20. New Reversible Bull Tongue, 2½ inch.  With Two Bolts, Price 75 cts. per Pair.	21. New Reversible Shovel, 3½ inch.  With One Bolt, Price \$1.00 per Pair.		

Shovels for Buckeye One-Horse Cultivators and Double Shovel Plows.

ONE-HORSE CULTIVATOR SHOVELS.

50.
Oval Shovel.



One Bolt.
Price 25 cts.

51.
Sweep.



One Bolt.
Price 50 cts.

52.
2 in. Bull Tongue.



One Bolt.
Price 20 cts.

53.
Scraper.



With Wrought Standard.
Price 75 cts.

Harrow and Spring Tooth Cultivator Teeth.



No. 1—Used only on 1881 Harrows.

No. 2—Used only on 1881 Harrows.

No. 3—Used on 1882 and 1883 Harrows.

No. 4—Used only on 1883 Harrows.

No. 5—Used only on 1883 Harrows.

No. 8—Used on 1883-4 Harrows.

No. 7—Used only on 1883 Spring Tooth Cultivator; not now in use. No. 9 takes its place.

No. 9—Used on 1884-5 Spring Tooth Cultivators and 1884-5 New Three Section Harrow.

BUCKEYE COMBINED TRUCK AND BAG HOLDER.



No. 1.



No. 2.

The Buckeye Combined Bag Truck and Holder is a time and labor saving article. It has been on the market for the last five years, giving the best satisfaction. And we are now prepared to furnish a Truck greatly improved over any other yet made. It has sold readily wherever it has been introduced. In its use the labor and time of one person is not only saved, but the work is really done much better and easier. It is simple in its construction.



BUCKEYE HAND FERTILIZER SOWER.



THE SCIENTIFIC GRINDING MILL.



THE LATEST IMPROVED BUCKEYE
CIDER MILL.

DESCRIPTION

—OF THE—

SPRINGFIELD BUCKEYE HAY RAKES.

A 1, Springfield Buckeye Drop Tooth Rake,

As shown in cut on opposite side, has twenty teeth securely fastened to the axle. The teeth are long and heavy enough, and have sufficient curve to allow them to carry a larger amount of hay than other rakes. Is simple in construction, strong and durable. Has no *cog wheels* or *ratchets* to get out of order. *Has high wheels* and wrought iron spindles. *The teeth* are adjustable, and made of the best spring steel with oil temper, all carefully tested.

This is practically a SELF-DUMP RAKE, without cog wheels or ratchet. The tooth-bar or axle is so constructed that when the lock is thrown off with the foot the draft is transferred from the center to the top of the axle, so that the weight of the driver, the pressure of the hay against the teeth and the draft of the horse will instantly dump the load without the aid of the Hand Lever. Being a *Lock Lever*, the hay can be carried along and deposited just where wanted, and then with pressure of the foot upon another lever, slightly aided by the Hand Lever, the teeth are thrown back into position and locked. It has an adjustable *Swinging Cleaner Bar* of approved style, which has proved to be very efficient and desirable. The *Seat* is made adjustable in height.

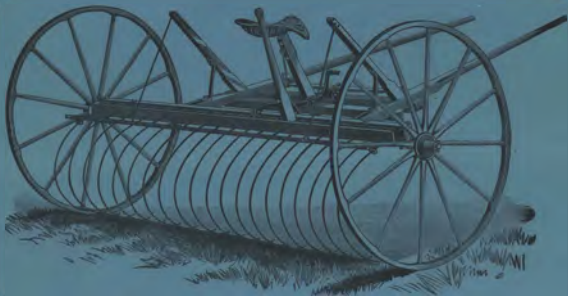
This Rake has been thoroughly tested, and is not an experiment. We can confidently recommend it as a FIRST-CLASS RAKE. It is easily handled; can be operated by a small boy.

A 2, Springfield Buckeye Coil Tooth Rake,

Contains all the principal features of the A 1 Rake. Has twenty teeth with a double coil. The teeth are fastened rigidly in the tooth-bar, but can be adjusted as to height from the ground. Made of the best spring steel, oil tempered and carefully tested.

A 3, Springfield Buckeye Spiral Spring Rake.

This Rake has twenty teeth, and is constructed just like A 1, with the addition of a coil spring over each tooth. We do not regard the coil spring as actually necessary, yet many persons prefer the spring, and we are disposed to furnish just what our customers want when practicable; hence we make these different styles.



A 1, Springfield Buckeye Drop Tooth Rake, 20 Teeth.

Send for full Descriptive Catalogue of



THE BUCKEYE GLASS FEED GRAIN AND FERTILIZER DRILL.