



P. P. MAST & Co.

PHILADELPHIA, PA.
U.S.A.

J. REBMAN & SON,
AGENTS,
Northern Market Gallery,
LANCASTER, PA.

❖ BUCKEYE ❖
SUNBEAM CULTIVATORS

MANUFACTURED BY

P. P. MAST & CO.,
SPRINGFIELD, OHIO.

ALSO MANUFACTURERS OF

BUCKEYE GRAIN DRILLS,
BUCKEYE COMBINED GRAIN ^{AND} FERTILIZER DRILLS,
BUCKEYE BROADCAST SEEDERS,
SPRINGFIELD BUCKEYE HAY RAKES,
LATEST IMPROVED BUCKEYE CIDER MILLS,
BUCKEYE LARD AND WINE PRESSES, ETC., ETC.

BRANCH HOUSES.

P. P. MAST & CO., N. W. cor. 13th and Willow Sts. Philadelphia, Pa.
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THE BUCKEYE SUNBEAM CULTIVATORS.

IN presenting to your notice the line of Cultivators herein illustrated and described, we feel confident that we do not assume too much in saying that these Cultivators need no special commendation from us to enhance their value, or to increase their great and fully merited popularity. To the thousands of patrons, on whose lands they are now being used, we leave the task of sounding their praise and enumerating their many superior virtues, resting assured that the reputation of the "Sunbeam" will not suffer at their hands, and realizing that the testimony of constant and practical use, will be far weightier than any praise we might offer in their behalf.

THE word "Buckeye," as applied to agricultural implements, has long since become a household word in the home of the farmer, both in this and other countries, and has always been symbolical of sterling worth and practical utility. While always keeping step in the front rank of this rapidly advancing age of improvement, we have never lost sight of our first and paramount object, which has ever been to secure for the implements which bear the name of "Buckeye" the best of material, the most practical construction, and the skill of the best mechanics.

FOR more than a quarter of a century the "Buckeye" has held first place in the front ranks of all agricultural implements of its class, and its wide-spread and ever increasing popularity testifies to the fact that its sun is still in the ascendancy, and yearly beams with increasing strength and intensity on its worthy namesake, the "Buckeye Sunbeam Cultivator."

THE cut on the opposite page illustrates the No. 4 Buckeye Sunbeam Walking Cultivator, which is the leading and most universally used Cultivator of this line, and stands to-day unequalled by any other make of Cultivator on the market.

THE chief and most commendable of its many virtues is the parallel movement of the shovels, which always keeps them squared up to their work and at RIGHT ANGLES with the row. This feature is accomplished by having the rear ends of the beams pivoted to a cross-head to which the shovel standards are attached, with an alignment rod connecting this cross-head to the beam coupling in front, which holds the cross-head, with the shovels parallel with the axle, whatever may be the position of the beams sidewise, enabling them to do much better work, and to be more easily handled. The inside shovel standard can be adjusted up and down on the cross-head, a feature very desirable for plowing listed corn, or other crops that have been planted either in deep furrows or on ridges.

THERE is a spring at the front end of each beam so arranged as to support the beam when in use, which enables the operator to easily move them to either side and assists in raising when he wishes to hook them up while turning at the end of the row. This spring can be so adjusted as to exert a downward pressure on the beams when working in hard ground, or an upward pressure when working in soft ground.

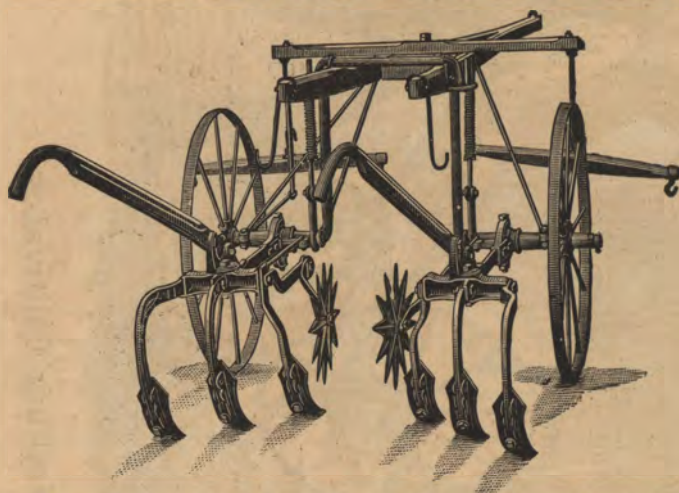
THE draft rod is so attached that it relieves all the weight from the horses' necks and the evener so arranged as to divide the draft equally, and does not turn the Cultivator out of the line of draft.

WE furnish these Cultivators with either wood or metal wheels, single or double tongue, rotary or drag shields, as desired. They are painted throughout a bright red, and neatly striped and varnished.



The New No. 4 Buckeye Sunbeam Walking Cultivator.

No. 3½ Buckeye Sunbeam Walking Cultivator.



This Cultivator has the PARALLEL movement iron beams the same as our No. 4 Cultivator, and is exactly similar to it, except that it has six narrow shovels instead of the four wide ones.

Experience has shown that when the land is reasonably free from trash so that six narrow shovels can be used, they are preferable to four wide ones. They stir up and pulverize the soil more thoroughly and eradicate the roots of grass and weeds more completely.

This Cultivator is especially adapted for level cultivation,

which is rapidly growing in favor, and to all persons who approve this manner of cultivating their crops, we would recommend the No. 3½.

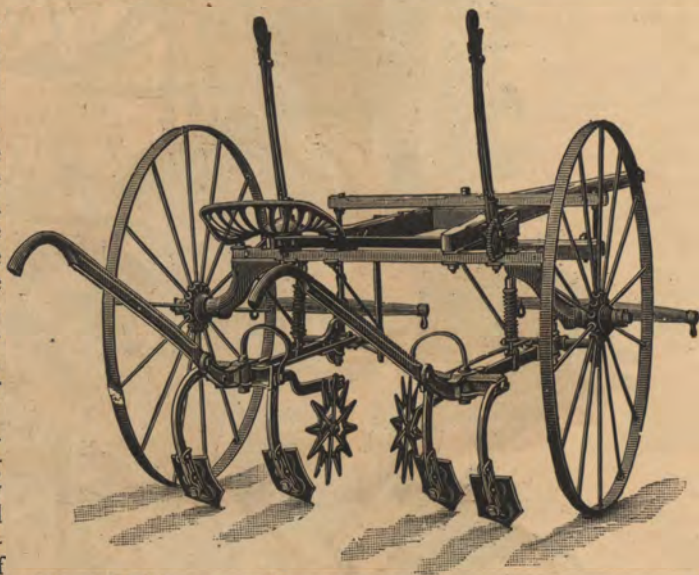
If desired, we can furnish, at a small extra cost, bar share shovels for hilling up.

No. 5½ Buckeye Sunbeam Combined Riding and Walking Cultivator.

The accompanying cut shows our new Buckeye Sunbeam No. 5½ Combined Riding and Walking Cultivator. The fundamental features of this Cultivator have been given in detail in the description of our No. 4 Sunbeam Cultivator on the second page of this catalogue the only radical difference being that the No. 5½ is a Combined Riding and Walking Cultivator, while the No. 4 is a Walking Cultivator only.

To all who prefer a Combined Riding and Walking Cultivator, we confidently recommend this machine and know that it will give purchasers a greater degree of satisfaction than any other combined Cultivator on the market.

It has four shovels, rotary or drag shields, levers and adjustable axles. It can be used either as a riding or a walking cultivator and is equally easy to operate either way. The axles are adjustable and so arranged that the width between the wheels can be readily changed to accommodate them to the different widths of rows. The levers for raising the shovels out of the ground, when turning at the end of row, or when leaving the field, are convenient to the driver and are easily operated. The same levers are also used for regulating the depth of the shovels.





The New No. 8½ Buckeye Sunbeam Combined Riding and Walking Cultivator.

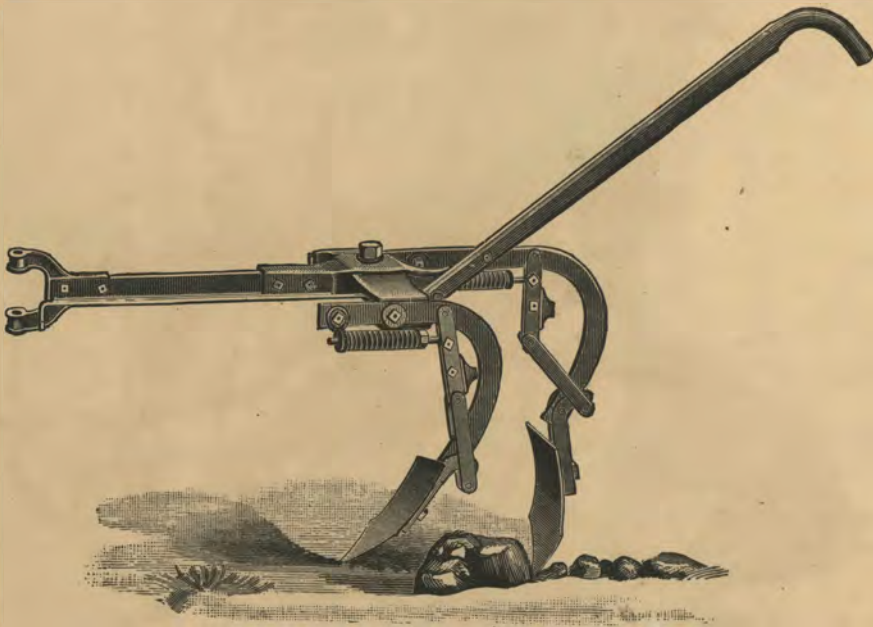
The Buckeye Sunbeam No. 8½ Combined Riding and Walking Cultivator.

This Cultivator, represented by cut on page 5, is constructed exactly like our No. 5½, except in the arrangement of the shovels. It has six narrow, instead of four wide shovels, and, like our 3½, it is adapted for level cultivation, which we consider much better than the kind of work done with larger shovels, except in low wet land, where the crops should be ridged up in order to drain the water off.

If it is desired to hill up the crop at last plowing, we can furnish a pair of Bar Share or Hilling Shovels for this purpose, at a small extra charge. With the addition of an extra Shovel or Single Center Attachment, the No. 8½ makes an excellent Fallow Cultivator.

Six shovel cultivators cannot be used on very trashy ground to as good advantage as four shovels.

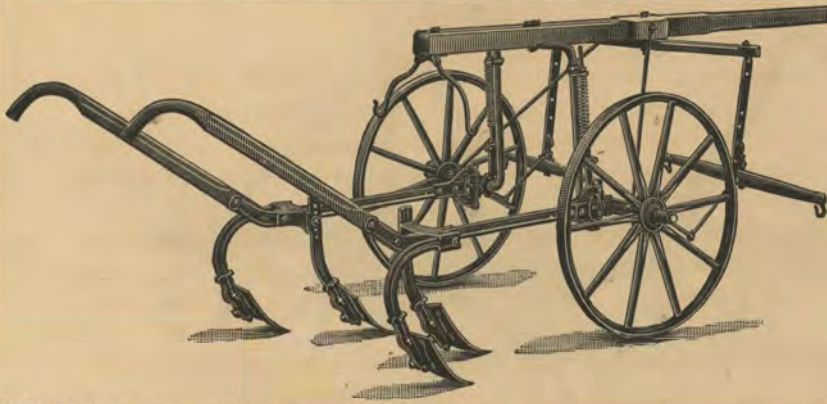
Spring Shovels.



The above cut represents our New Spring Shovel, which we can furnish with any of our cultivators except No. 9, No. 10 and Tongueless.

We claim that we make the only practical Spring Shovel Cultivator on the market, and the only one that has not failed to do good work and give satisfaction. In striking an obstruction, these shovels yield and immediately recover their proper position, entirely doing away with any stopping to replace broken wood pins.

The New No. 9 Buckeye Walking Cultivator.

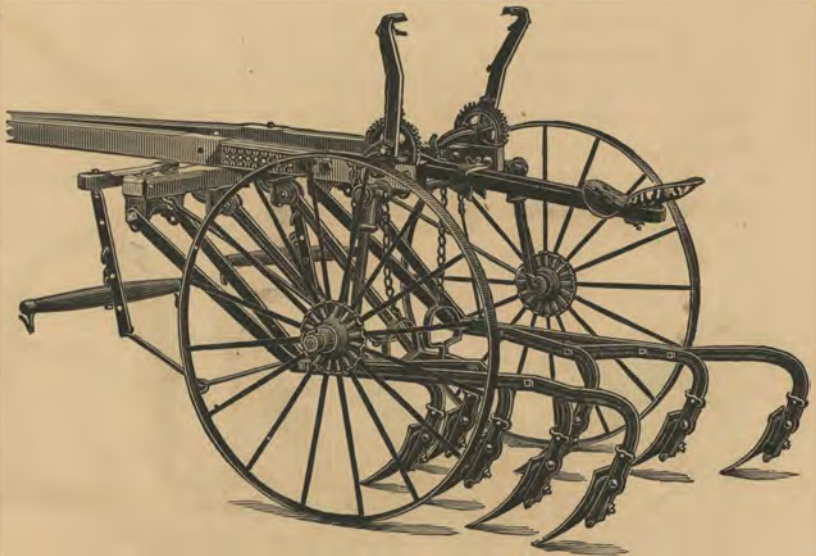


The cut on the left represents our No. 9 Buckeye Cultivator, which is made only with Single Tongue, Steel Beams and Drag Shields. Our No. 9 is made to meet the demand for a cheaper Cultivator than our "Sunbeam," but is equally as well made and finished, the only difference between the No. 9 and the No. 4 Sunbeam being that it does not have the parallel jointed beams. It has very LIGHT, NEAT LOOKING STEEL

BEAMS, is easy to handle and we confidently recommend it as being the neatest looking and best SOLID BEAM CULTIVATOR on the market.

The New No. 10 Buckeye Riding Cultivator.

The cut on the right represents our No. 10, which is a SPECIAL CULTIVATOR, intended for the use of Truck Farmers, Market Gardeners and for general purpose work. This Cultivator has eight narrow shovels. Six of them are arranged on the out-side beams, which are not movable side-wise, but follow the line of draft of the cultivator. The two inside shovels next the row are attached to Swinging Beams or Standards, that are perfectly under the control of the operator and are easily guided with the feet. In this way it is only necessary to guide or shift these two shovels in working any kind of crops.

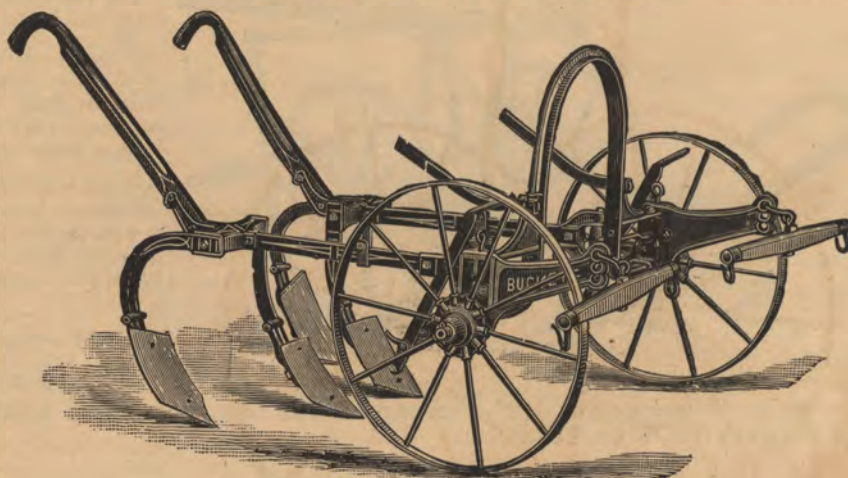


Only one shovel being operated by each foot, makes it by far the easiest cultivator to handle that has ever been produced. The axles are adjustable for narrowing or widening the distance between the wheels to suit the width between the rows, which is quite an advantage in cultivating potatoes, beans and other crops that are planted in rows close together. The seat is arranged low down, making it easy to get on and off. The beams are raised and lowered by means of two ratchet levers, that are within convenient reach from the seat.

This is a very desirable Cultivator for working corn or any kind of crops and we predict that it will meet with favor in every section of the country, except in the Western States where the land is not usually well enough cleared of corn stalks and other trash to permit of using such a Cultivator.

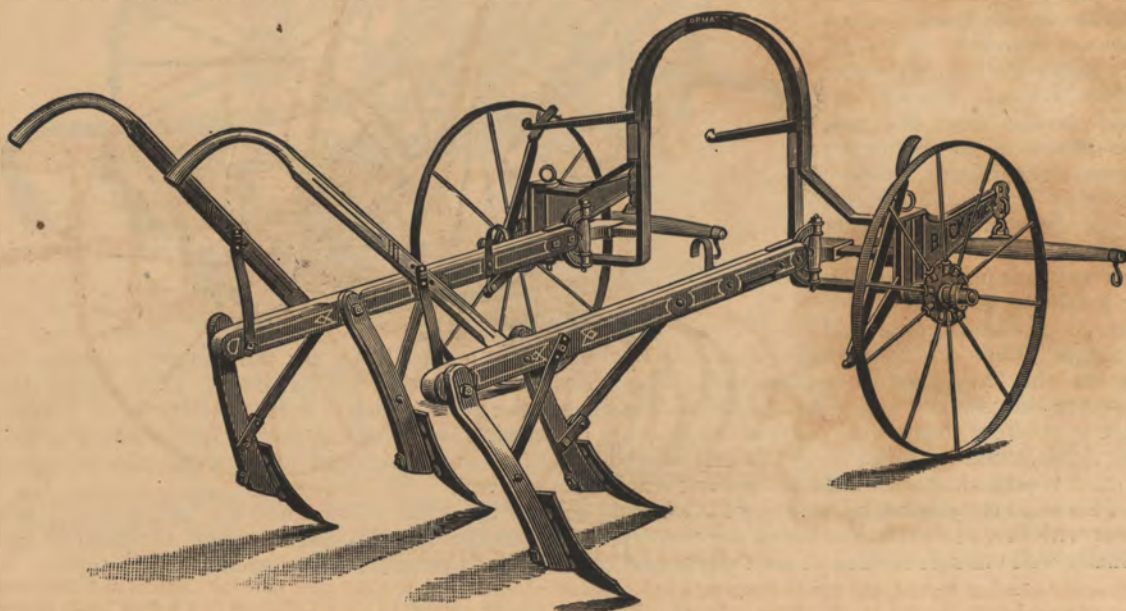
Buckeye Tongueless Cultivators.

With Steel and Wood Beams.



On this page we call your attention to two illustrations of our Tongueless Cultivators, one with steel beams and one with wood beams. Both cultivators are furnished with four shovels and are well made of the best material in every part. They are also furnished with the pivoted hitch and wheel device, which allows one horse to draw ahead of the other without interfering with the working of the beam and shovels. Each will do good work and give entire satisfaction if properly handled and is light and easily operated. The choice between the two lies simply in the fact of the purchaser's preference between a wood or iron beam cultivator.

We claim these to be the neatest appearing, most durable and best Tongueless Cultivators in the market.

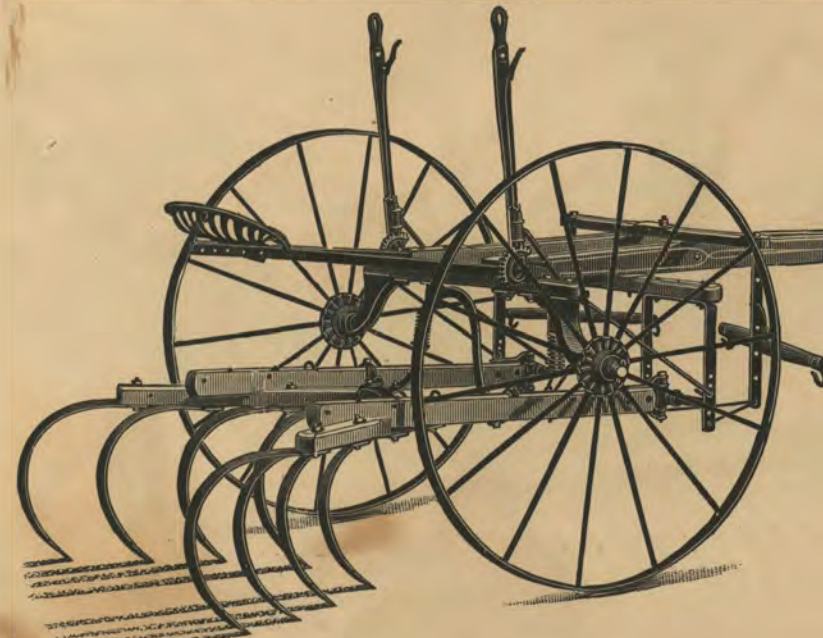


The Buckeye Spring Tooth Cultivators.

No. 8.

The best Tool for working Small Corn, ever produced.

The teeth on this Cultivator being close together thoroughly and completely work *all the ground*, leaving no weed or grass roots undisturbed. As the teeth are narrow, it can be used in corn several days earlier than a Shovel Cultivator, and cultivates much closer to the corn without danger of covering it. The perfect beam coupling used holds the beams square up and down and by simply loosening a set screw, they can be instantly adjusted to run close to or farther away from the corn. The driver on the seat has perfect control of it, and with his feet can move the beams out or in to dodge the hills out of line. With the Levers in front in easy reach, either one of them can be used to govern the depth, or either side raised to pass over an obstruction or for turning around. We do not recommend a Spring Tooth Cultivator for working very heavy or hard clay land, but for sandy loam, or any soil that is at all mellow, we consider it the best general purpose Cultivator ever produced.



By putting a Center Section or Attachment with five spring teeth into the Eight Tooth Cultivator, it makes an excellent Independent Harrow or Field Cultivator, as shown by the accompanying cut. The jointed connections of the Center leave it free to conform to the uneven surface of the ground, and allow it to drop into the deep furrows and work over ridges without tearing up the sod and make the best Spring Tooth Cultivator or Harrow ever offered to farmers.

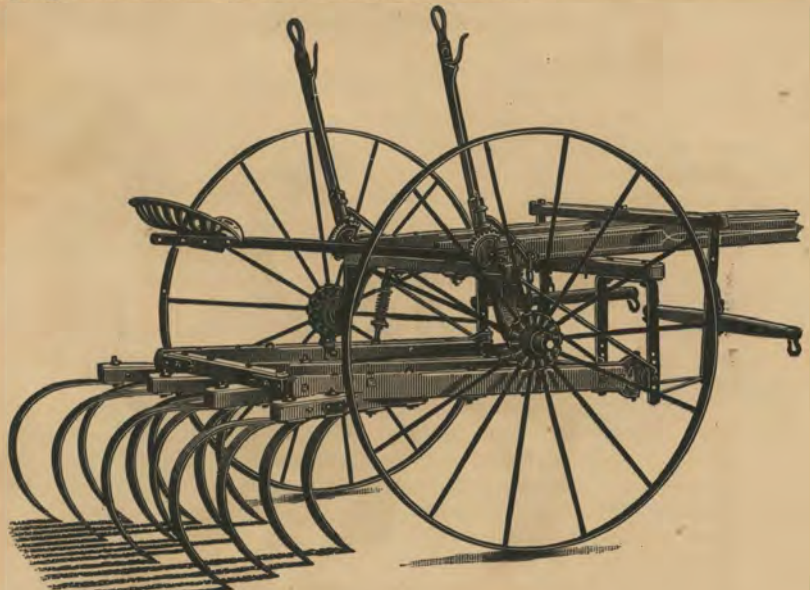
Special Teeth and Shovels.

At a small extra cost we can furnish two extra Spring Teeth with bracket clamps for attaching them to the outside beams in such shape that they will cultivate beyond or outside of the wheels. The Cultivator in this shape is an excellent tool for cultivating Vineyards or young Orchards.

We can also furnish Bar Share or Hilling Shovels for ridging up any kind of crops.

Another Important and one of its best Features:

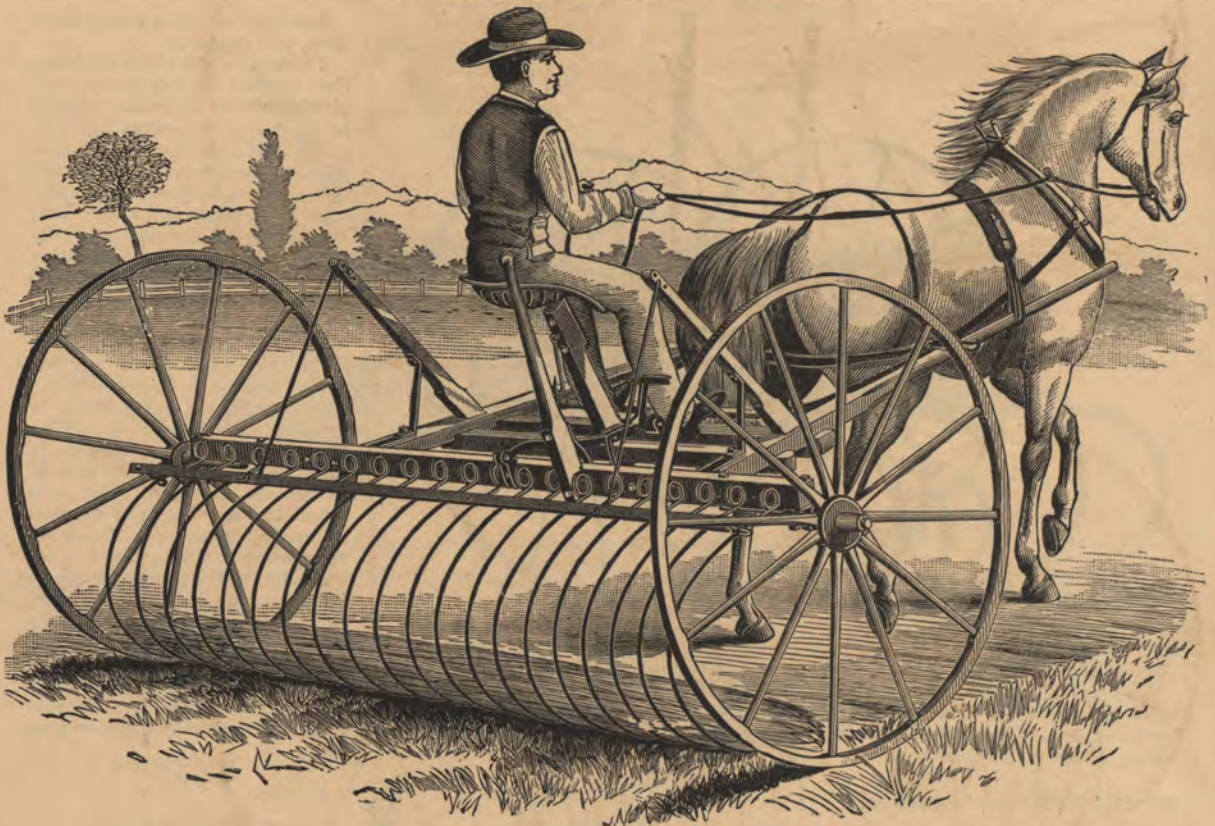
At a small additional cost a set of Beams and Shovels can be attached to the same frame, making it the same as the well known Buckeye Cultivator, and making it a complete Shovel corn and Fallow, and Spring Tooth corn and Fallow Cultivator. Thus adapting it to the various wants of the Farmer for the many conditions of the soil.



A Force Feed Seeding Attachment

Is furnished when desired, and can be easily attached or detached, and makes it a complete Broadcast Seeder at a great saving of expense, besides having less machines to house. Many are in doubt whether to buy a Cultivator or a Spring Tooth Harrow; this covers both cases and is undoubtedly the best tool of its kind ever put on the market. The Spring Tooth Attachment can be readily attached to the No. 12 or 13 Senior Buckeye Riding Cultivator now in use and is furnished when ordered.

Springfield Buckeye Hay Rakes.



A 2-Coil Tooth Rake.

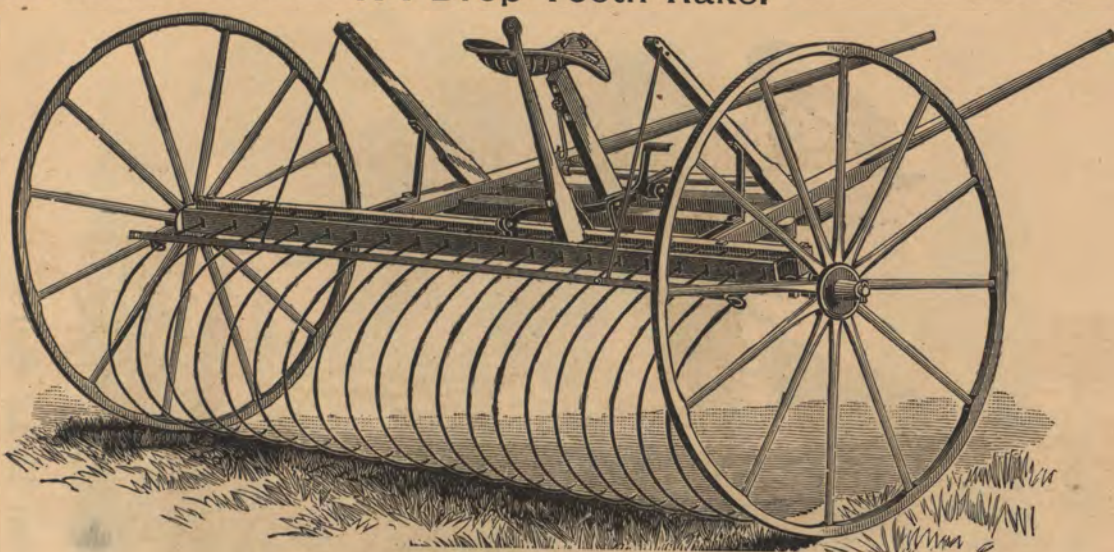
In addition to our full line of grain drills, cultivators, etc., we manufacture what is now well known as the "Springfield Buckeye Hay Rake," the four principal styles of which are herein illustrated and described. THE **A 1** SPRINGFIELD BUCKEYE DROP TOOTH RAKE has twenty teeth, is simple in construction, strong and durable. 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.

THE **A 2** SPRINGFIELD COIL TOOTH RAKE contains all 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 and are made of the best spring steel, oil tempered and carefully tested. THE **A 3** SPRINGFIELD BUCKEYE SPIRAL SPRING RAKE. This rake has twenty teeth and is constructed just like **A 1**, with the addition of a spiral spring over each tooth. This is a first-class rake in all respects, and to be appreciated needs only to be seen.

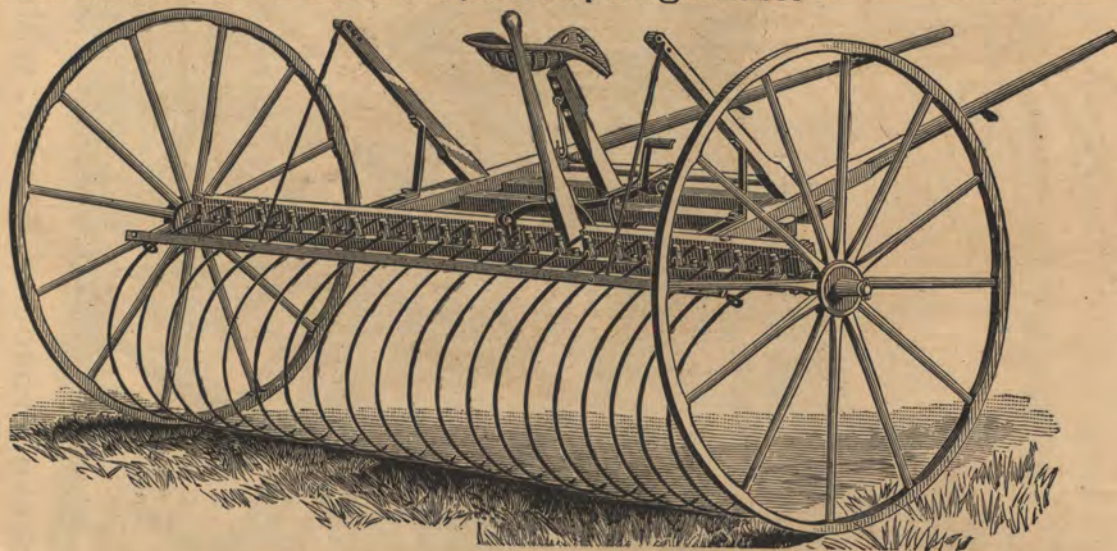
THE **A 8** SPRINGFIELD BUCKEYE JUMBO RAKE. This rake is made similar to our **A 1** except that it is TWELVE FEET WIDE, and has twenty-eight teeth. It is a two-horse rake and made only with pole.

Send to us for descriptive circular, giving full descriptions of our full line of rakes.

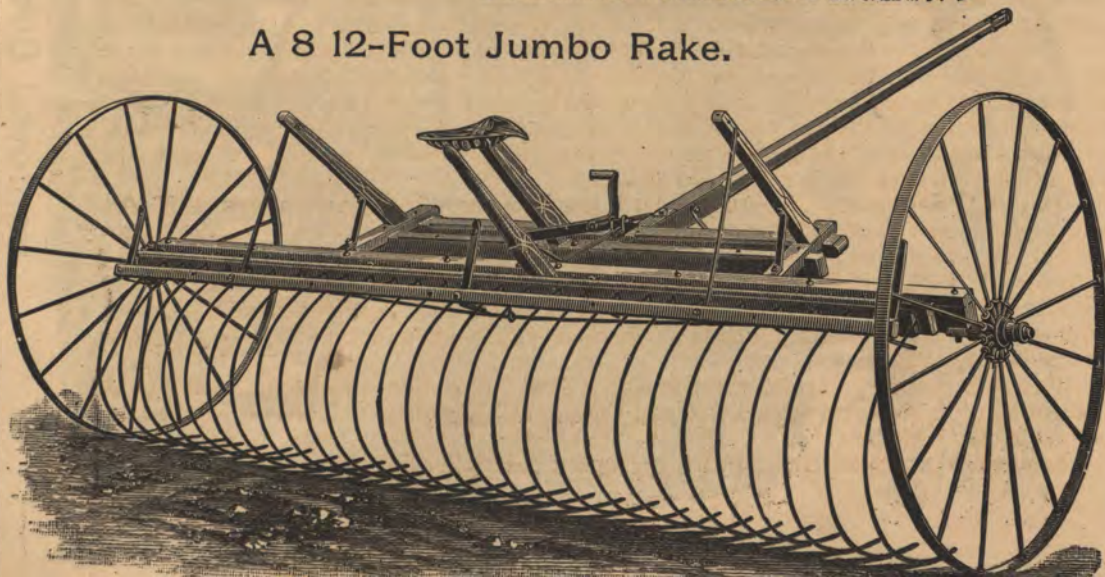
A 1 Drop Tooth Rake.



A 3 Spiral Spring Rake.



A 8 12-Foot Jumbo Rake.

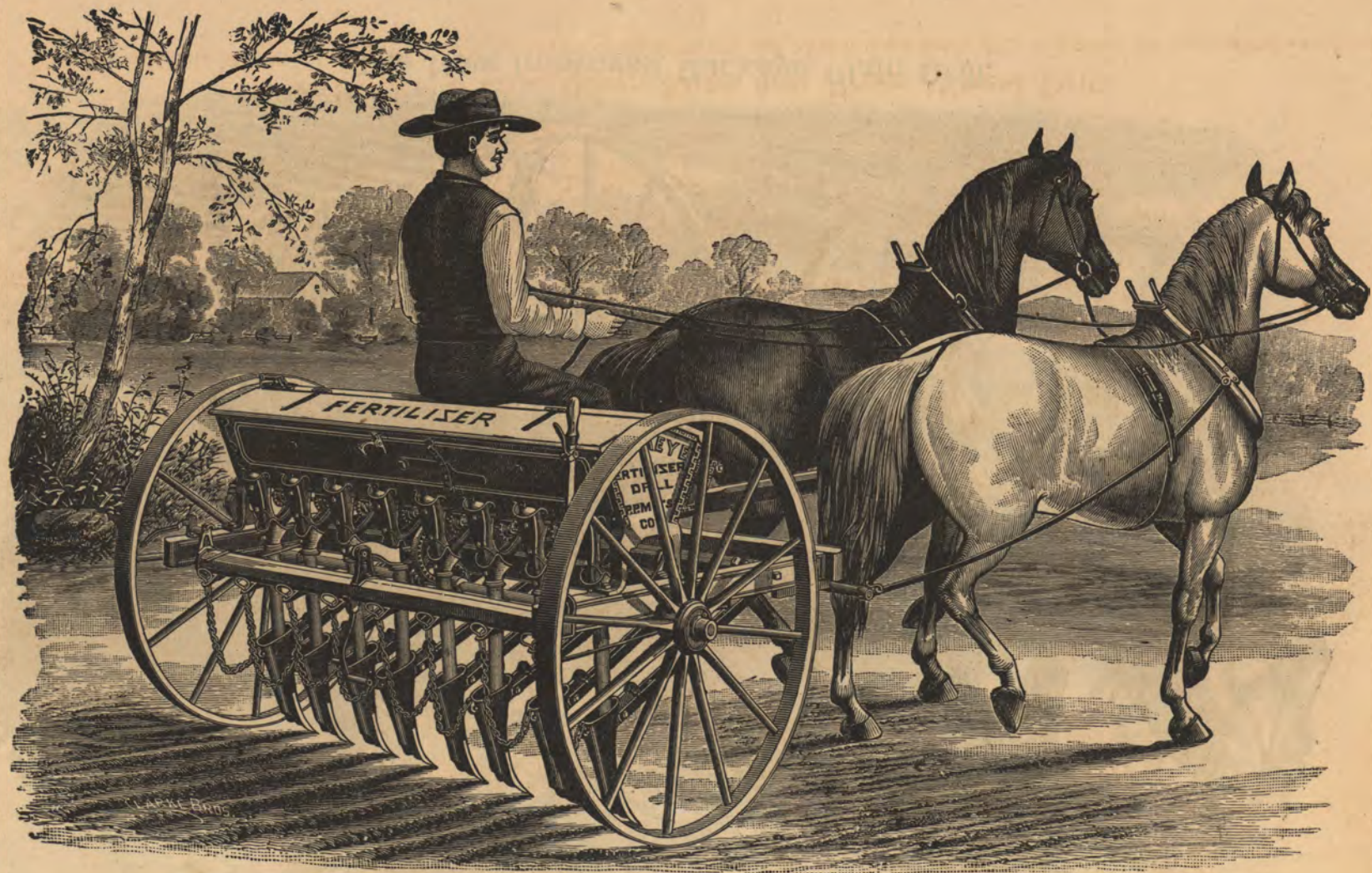




Improved Buckeye Broadcast Seeder, with Iron Drag Bars.



The New Improved Buckeye Plain Drill.

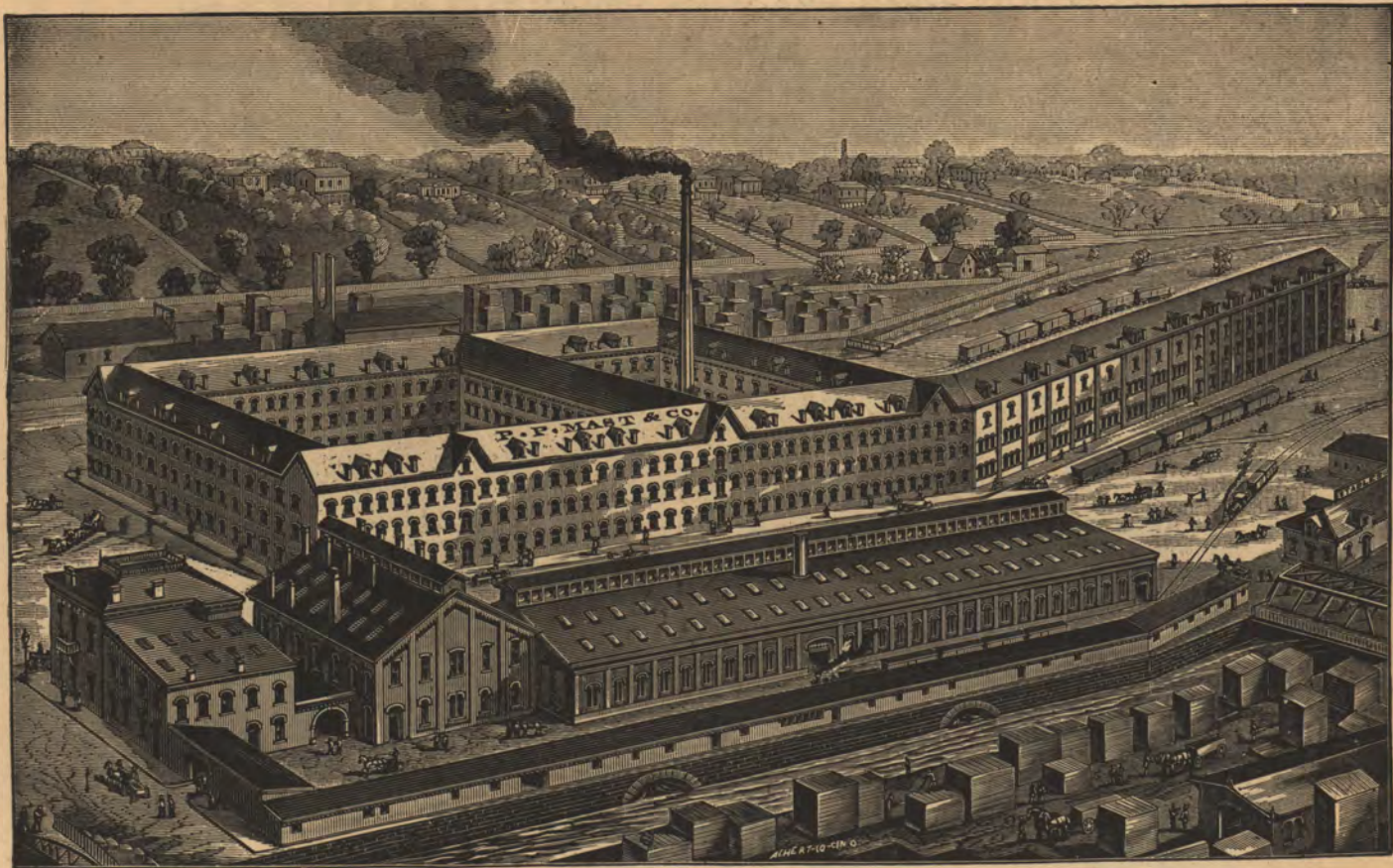


The New Improved Buckeye Combined Grain and Glass Feed Fertilizer Drill.



New Buckeye Low Down Shoe and Press Wheel Drill.

We make this style of drill with 8, 9, 10, 11, 12, 14, 16, 20, or 24 shoes and can furnish them either with or without the press wheel attachments.



The Largest Grain Drill Factory in the World, Covering 25 Acres.

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