

P.P.MAST & CO.

BUCKEYE

GRAIN DRILLS
CULTIVATORS

SPRINGFIELD, OHIO

C a t a l o g u e B

Grain Drills, Seeders,
Sowers, Cultivators
and Cider Mills

Manufactured by

P. P. Mast & Co.

Springfield, Ohio

Established 1856

Incorporated 1871

Jobbers and Transfer Agents
Located at all the Convenient
Trade Centers



Factory of P. P. MAST & CO., Springfield, Ohio, U. S. A.

Introductory

"**N**OTHING succeeds like Success" is an old saying, but is still just as true in the twentieth century as when first uttered.

Fifty years ago, Mr. P. P. Mast, a man whom no one knew, except to admire for his sterling honesty, integrity and great business ability, began the manufacture of the now justly famed line of Buckeye Drills, Seeders, Cultivators and Cider Mills.

Although the eminent founder of the business is dead, the Company is incorporated under his name, and it shall always be our aim to live up to the high standard established by him.

Our line of goods is known the world over, wherever agricultural pursuits are followed, to the great advantage of every farmer using them, as they are both labor and money savers.

We fully guarantee everything we make to be just as represented, and the fullest confidence can be had in every implement bearing the name of P. P. Mast & Co.

We appreciate to the greatest extent the patronage we have enjoyed in the past from our thousands of customers, and shall endeavor, if possible, more than ever, to merit a continuance of the same.

It is possible in this catalogue to show only such machines as are used in what we term our "home trade"; but we make lines adapted not only to all parts of the United States, but all foreign grain-growing countries as well, and can furnish descriptive printed matter of them on application.

It is our desire to thank all of our past and present customers, and trust we may be given opportunity to serve them, and many others, more fully in the future.

A Drill On a Good Frame Is Like a "House Built On a Rock"



THE BUCKEYE SQUARE TUBE STEEL FRAME is without question the best foundation for a Drill.

The Square Tube Combines Greatest Strength with Neatest Appearance and Has No Riveted Joints or Malleable Corner Pieces.

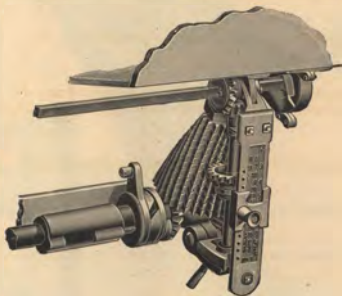
The frame has three long bearings, with convenient oilers, on an axle of cold rolled steel of finest quality.

The lower bearing which carries the change of speed device is fastened to the frame, and if the axle moves to right or left the gears are not affected.

The throw-out clutch is made with heavy cogs; the cam for opening the clutch is made very strong and is connected with lifter bar by an arm by which the machine is thrown out of gear when the hoes or discs are raised.

JAMES F. McFADDEN, Savah, Ind., says: "Gentlemen—I want to testify to the merits of the Buckeye Disc Drill. I sold it the past year, and I don't think any Drill could give better satisfaction. I never had any complaint, and every one I sold to has paid for their Drill. I would rather have a Buckeye Disc Drill than any Drill made."

As the Heart is To the Human Body, so is the
Driving Device To a Drill



THE BUCKEYE CONE GEAR for driving and changing quantity is the best and simplest device yet invented. It is the strongest and most accurate, easiest to change and never skips.

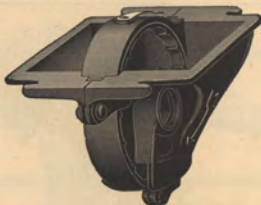
No Interchangeable Gears to be Mislaid and Lost, as the Cone is Built Up of Twelve Gear Wheels Firmly Locked Together.

Should an obstruction in the feed cause gears to break, new ones can be substituted without great labor and expense. Does not require replacing entire set as on change of speed device used by many other manufacturers. Index Plate marked in plain figures with separate columns for wheat, oats and barley. Oats change by the peck. Wheat by the half peck.

Lower cone box attached to frame so that if axle moves to right or left the gear is not affected. Gears running feed shaft are locked together; not held in place by spring. Cannot skip. Gears mesh full depth and width of tooth, and not on point. Thrown in and out of gear by cam on axle, connected by arm with lifter bar.

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

"As Accurate as the Sun."



The Buckeye Double Run Force Feed Proves the Above Statement.

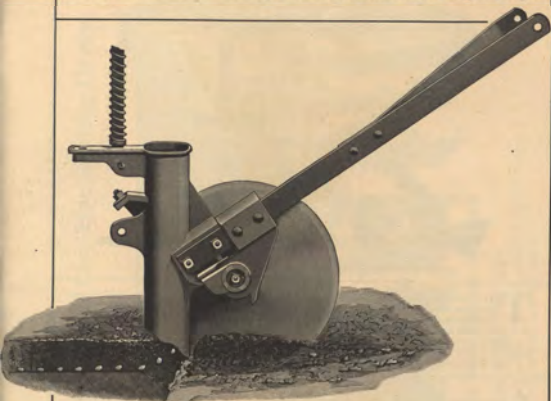
It Will Not Skip, Choke or Bunch A Positive Feed and a Perfect Sower
The Right Hand Side of Feed Cup Sows Wheat, Buckwheat,
Rye and Other Small Grains
The Left Hand Side Sows Oats, Corn, Beans, Peas, Barley, Beet Seed and
Other Large Grains
Special Agitator for Bearded Oats When Required—At Small Cost



The above cut shows the manner of attaching the Grass Seed Hopper to the Main Hopper, and also the Grass Seed Feed Cup, which is on the same principle as the Grain Feed Cup.

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

Even and Uniform Seeding Produces Better and Larger Crops



THE BUCKEYE DISC-HOE SEEDING DEVICE guarantees good results, combining, as it does, the excellent features of the Disc as a furrow opener, with the well-known advantages of the Hoe in depositing seed.

The closed Conduit protects the seed and fertilizer from wind, mud and trash until it is evenly sown in the bottom of the furrow, and covers it from both sides.

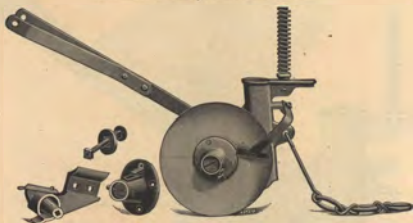
A perfect self-oiling device is provided for the Disc Bearing.

The cut-away feature at bottom of Hoe prevents clogging in wet ground. The Disc Hoe is constructed with a mud guard next the Disc, preventing the collection of trash or mud.

The Revolving Disc cannot deflect grain or fertilizer. Greatest triumph in Disc-Drill construction, and imperfect imitations prove its value.

Concave Side of Disc-Hoe Seeding Device

Showing Scraper, Drag Chain, Spindle and Closed Hub, which Excludes Dust and Grit



Spindle and Hub are Chilled and Guaranteed Not to Wear Out

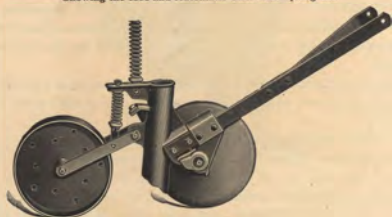
THE DISC turns on its spindle like the wheel on a farm wagon. We do not believe the best farm wagon could be made with the spindle on the wheels, neither do we believe that the best disc construction should have the spindle on the disc instead of on the drag bar.

A Buckeye drag bar cannot be forced from its position by side pressure. Drag bar is staunch and holds disc at proper angle in the ground, so as to open a perfect furrow.

The Buckeye Scraper will scrape and is adjustable.

Convex Side of Disc-Hoe Seeding Device

Showing the Hoe and Automatic Oiler with Spring Lid



This illustration shows Press Wheel attached to disc. The same Press Wheel can be furnished for Shoe Drills.

Buckeye Plain Disc Drill With Disc-Hoe Seeding Device



All the Good Features Combined

Sizes of Plain Disc Drills

Sizes 8 to 24 discs—spaced 8 inches Sizes 9 to 24 discs—spaced 7 inches

Sizes 10 to 24 discs—spaced 6 inches

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

DESCRIPTION OF THE

Buckeye Plain Disc Drill With Disc-Hoe Seeding Device

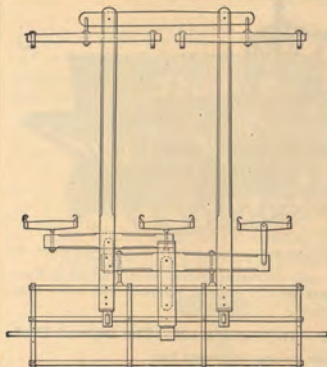
(Illustrated on preceding page)

**MADE BY BEST WORKMEN
PRAISED BY BEST FARMERS**

Wheels Forty-four Inches High, Wood or Steel, 3-Inch Tires
Both Wheels Drivers Three Pawl Ratchet Hubs
No Lost Motion
Hopper Same Height as Wheels Cold Rolled Steel Axle
Frame of Square Steel Tubing
No Riveted Joints or Malleable Corner Pieces
Rear Pressure and Rear Lift
Rear Pressure Does Not Add Neck Weight, as Discs Enter Ground on Same
Line as Wheels
Single High Carbon Steel Drag Bars Not Weakened by Twisting
No Extra Space Between the Center Discs
Double Run Force Grain Feed
Cone Gear for Change of Quantity No Loose Gears to be Mislaid or Lost
Detachable Force Feed Grass Seeder
Rubber Tubes
The memory of quality remains long after the price has been forgotten

WM. WELLS, North Clymer, N. Y., says: "The Buckeye Grain Drill which I purchased of your agent, W. H. Reed, is certainly an up-to-date machine. I used one of your old style Drills for ten years, with no expense at all for repairs. But the steel frame and double run feed cups, cone gear and lightness of draft, makes it the best drill I ever saw. It does not require an expert to run it, as some other drills do."

Three-Horse Hitch



Can Also Be Used as Two-Horse Hitch

by moving the two poles to side of stub tongue, and discarding the three-horse evener and neck-yoke.

Two-Horse Hitch furnished with 8, 9, 10 and 11 Hoe Shoe or Disc Drills.

Three or Four-Horse Hitch furnished with 12, 13, 14 and 16 Hoe Shoe or Disc Drills.

Four or Six-Horse Hitch furnished with larger sizes.

Extra charge for Three or Four-Horse Hitch on Drills smaller than 12 Hoe Shoe or Disc.

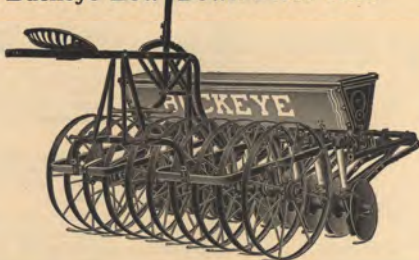
Sixteen-Disc Plain Drill



With View of Double Drive, Double Lift and Trusses as Used on Drills larger than twelve-disc

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

Buckeye Low Down Press Drill



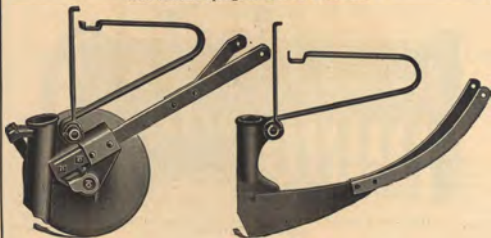
CONSTRUCTED to meet the requirements of wheat growers in Western localities where the soil is light; equipped with either Shoe Runners or Discs as desired.

The Lightest Weight The Lightest Lift The Lightest Draft

Fully Described on Following Page

Interchangeable Shoe and Disc-Hoe

With Pressure Springs as Used on Press Drill



Buckeye Low-Down Press Drill

(Illustrated on preceding page)

SQUARE TUBE Steel Frame. Improved Buckeye Fluted Force Feed which will accurately sow all kinds of grain. Chain Drive. Surveyor located on end of Hopper. Drill is thrown in or out of gear when the front part of machine is lowered or raised. This movement is made by the use of one simple lever which acts in connection with Seat. The weight of the operator being sufficient to raise the machine when lever is released. Has Drop Hitch, which prevents neckweight and makes it light of draft.

The New Buckeye Gang Press Wheel Attachment for High-Wheel Drills



THE most easily and perfectly adjusted press wheel device ever offered to the trade.

Made entirely of steel. No wood parts to rot out. Each wheel is independent; can be adjusted to any desired width between wheels; does not interfere when turning the drill. Thoroughly covers the grain, thereby producing a larger and better crop.

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

Buckeye Combined Grain and Fertilizer Disc Drill

With Disc-Hoe Seeding Device



No Other Drill Has So Many Excellent Features

Sizes 8 to 14 discs—spaced 8 inches

Sizes 9 to 14 discs—spaced 7 inches

Forty-four inch Wheels, Wood or Steel

Three-Inch Tires

Low Hopper

Square Tube Steel Frame

Double Run Force Grain Feed

Cone Gear for Change of Quantity

Buckeye Glass Fertilizer Distributer

A Positive Force Feed Which Does Not Rust or Corrode
from Acids in Commercial Fertilizers

Guaranteed to Sow All Kinds of Commercial Fertilizers and Fine Manures

Does Not Grind Fertilizer Into Paste

Change of Quantity Without Stopping the Machine

Chain Drive is Positive and has Least Friction

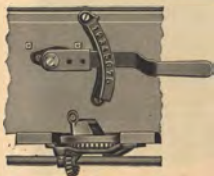
Independent Lever for Throwing Fertilizer Feed Out of Gear

Fertilizer Feed Always in View

Caps to Cover Fertilizer Conductors if Desired

The Famous Buckeye Non-Corrosive Glass Fertilizer Distributer

(Illustrated by the Several Views on This Page)



also the lever which regulates the quantity. The desired quantity is obtained by increasing or decreasing the opening.

An accurate gauge is provided for regulating the quantity of fertilizer to be sown.

CONSISTS of a non-corrosive glass feed plate, turned by a bevel gear wheel which is driven by a bevel gear on the feed shaft, the whole being held in place against the bottom of the hopper by the spider. This spider is constructed of two pieces, and by removing three screws it can be separated and the different parts easily taken out for cleaning.

The first view (at top of page) illustrates the different parts assembled, the opening through which the fertilizer is discharged, and



Attention is directed to groove in spider for oiling gear wheel as shown in view at bottom of page.

**Cheapest Because it Saves Time
and Expense**

Other Drills Corrode and Break

**The Buckeye is the Only Reliable
Fertilizer Drill**



Oil In
Groove
Here

View of Inside of Fertilizer Hopper



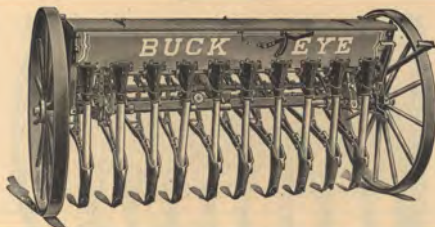
THE HOPPER of the Buckeye Fertilizer Drill is lined with galvanized metal which fits closely to the glass distributor. The agitator swinging slowly in the hopper keeps the fertilizer from banking up. It stirs the fertilizer and saves the driver this annoyance. The prongs on the agitator work near the opening and prevent lumps from interfering. The agitator is driven by eccentric from cam on axle. The glass disc is larger than the portion of the hopper which is exposed to it, and the galvanized projection is reamed off to fit the glass perfectly, so that there is no space for the fertilizer to sift out.

The Buckeye Fertilizer Drill Has Five Points of Pre-eminence:

- 1st Non-Corrosive Glass Distributer
- 2nd Agitator which Prevents Fertilizer from Banking in Hopper
- 3rd Change of Quantity Without Stopping Machine
- 4th Fertilizer Discharged in Full View of Operator
- 5th Power Transmitted from Main Axle to Fertilizer Shaft by Chain

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

Buckeye Combined Grain and Fertilizer Hoe Drill



Sizes 8 to 14 Hoes—spaced 8 inches

Sizes 9 to 14 Hoes—spaced 7 inches

Pin Hoe or Spring Hoe	Square Tube Steel Frame
Lifting Lever at End	Spring Pressure in Front
Forty-eight Inch Wheels, Wood or Steel	
Three-Inch Tires	
Zigzag Lever, Convenient and Easy to Operate	
Double Run Force Grain Feed	Cone Gear for Change of Quantity

Non-Corrosive Glass Fertilizer Distributer

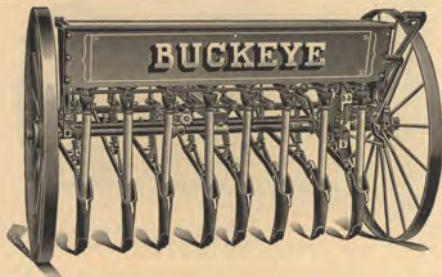
Independent Lever for Throwing Fertilizer Distributor Out of Gear
Medium Weight Hoes, Which Travel at Uniform Depth
Accurate Land Surveyor
Evenly Balanced No Neck Weight
Light Draft

Has all the Excellent Features of Our Combined Grain and Fertilizer Drills,
Described on Preceding Pages

C. M. CLEMONS, Carthage, N. Y., says: "The Buckeye Fertilizer Drill purchased of you works to my entire satisfaction. I have had other Drills on my farm, and I must say that this Drill works better than any other Drill I ever saw. The Glass Fertilizer Feed does not corrode and rust, like the iron and galvanized feeders used on other Drills. The grain feed sows accurately, and in my estimation could not be improved. I shall recommend the Buckeye to all my friends and neighbors."

Buckeye Plain Pin Hoe Drill

Neat and Clean Cut



Sizes of Plain Hoe Drills

Pin or Spring Hoe

Sizes 8 to 24 Hoes—spaced 8 inches

Sizes 9 to 24 Hoes—spaced 7 inches

Sizes 10 to 24 Hoes—spaced 6 inches

Sizes 8 to 12 Hoes have Single Lift and Single Drive

Sizes 14 to 24 Hoes have Double Lift and Double Drive



Forty-eight Inch
Wheels, Wood or Steel
Three-Inch Tires
Square Tube Steel
Frame
Spring Pressure in
Front

Lifting Lever at End

Zigzag Lever Conveniently Placed in Rear

Accurate Land Surveyor

Medium Weight Hoes which Travel at Uniform Depth

Double Run Force Grain Feed

Cone Gear for Change of Quantity

Buckeye Spring Hoe Stands the Severest Tests

Adjustable Tension Easily Regulated by Screwing Tap

Upright Position of Hoe is Adjustable

This Spring Hoe is Simple in Construction and Very Durable

Buckeye Plain Shoe Drill With Chain Coverers



Sizes of Plain Shoe Drills

- Sizes 8 to 24 Shoes—spaced 8 inches
- Sizes 9 to 24 Shoes—spaced 7 inches
- Sizes 10 to 24 Shoes—spaced 6 inches
- Sizes 8 to 12 Shoes have Single Lift and Single Drive
- Sizes 14 to 24 Shoes have Double Lift and Double Drive

Sizes of Fertilizer Shoe Drills

- Sizes 8 to 12 Shoes—spaced 8 inches
- Sizes 9 to 12 Shoes—spaced 7 inches

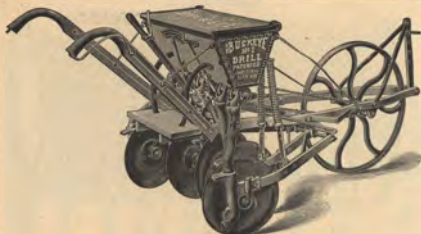
The Buckeye Five Hoe Grain Drill

Send for Special Circular
of Our New One-Horse
Drills



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

New Buckeye Five-Disc Drill



Four Outside Discs are supported by Independent Drag Bars
Have Spring Pressure Will Accommodate Themselves to Any
Unevenness of the Ground

Lever for Spacing Discs to Conform to Wide or Narrow Rows
The Discs set "A" Shape Will Clear Themselves of Trash

Disc Spindle and Hub are Chilled

Same Construction as on Two-Horse Drills

The Disc-Hoe is Made with Mud-Guard Next to Disc

Cannot Collect Trash or Mud

Fluted Grain Feed with Steel Rosette and Chain Drive. Metal Seed Conductors

Hand Guards on Handles for Protecting the Hands

Weight Shelf for Additional Weight When Necessary

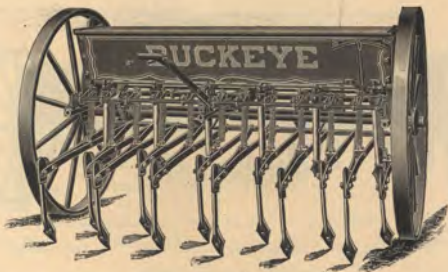
Gentlemen—Replying to yours of recent date regarding the Buckeye Disc Drill, will say I sold two cars of those drills last season here, and have bought a car for this season's trade, and from present outlook and inquiries think I have bought but half enough. This shows that the friends of the Buckeye Disc, like the old Buckeye Hoe Drill, are legion. All our people want is to see it, is the genuine "Buckeye", built by P. P. Mast & Co., of Springfield, O., and they know they will make no mistake in getting the best grain drill in America.

Yours truly, etc.,

J. C. MOORE, McKinney, Texas.

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

Buckeye Broadcast Seeder



Any Even Number of Hoes From 10 to 24

10 to 14 Hoes have Single Lift

16 to 24 Hoes have Double Lift

Forty-eight Inch Wheels, Wood or Steel

Square Tube Steel Frame

Force Grain Feed

Change of Quantity Made Instantly Without Change of Gears

Hinged Scatterers

Reversible Hoe Points

Spring Pressure

Equipped with Spring Hoe when Required, at Extra Charge

Write for Special Circular describing its many excellent features

Type of Spring Hoe Used On Buckeye Seeders



View of Spring Hoe in
Position for Work



View of Spring Hoe when
Passing an Obstruction

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

Buckeye No. 1

Eleven-foot Broadcast Sower Without Cultivators



Wide Track

Forty-eight Inch Wood Wheels

Force Feed

Improved Hinged Scatterer

Wood Frame

Described in special circulars

New Buckeye No. 2

Eleven-foot Broadcast Sower



Narrow Track

Steel Frame and Steel Wheels

Force Feed

With or Without Grass Seed Attachment

Furnished With Marker

Neat, Durable and Accurate

Described in special circulars

New Buckeye No. 3

Broadcast Sower



Force Feed

Wide Track

Steel Wheels

Low Hopper

New Buckeye No. 4

Broadcast Sower With Agitator Feed



Large Seed Box

Low Discharge, Not Affected by Wind

Buckeye Riding and Walking Cultivators

The Largest and Most Complete
Line of Cultivators Manufactured
by One Firm.

Renowned for Durability and Easy Handling

Our aim is to supply our dealers
with any and all styles of Cultiva-
tors which their trade may require.

CLOSE COMPETITION

has reduced the margin of profit
and many dealers save needless
expense and freight by ordering
Cultivators and Grain Drills in car
load lots.

LONG EXPERIENCE

in the manufacture of these
machines and the use of the very
best materials have brought the
Buckeye Cultivators to a high state
of perfection.

Buckeye Sunbeam Adjustable Arch Walking Cultivators



No. 109

THIS is our Adjustable Arch Walking Cultivator. This Cultivator has great adjustability, making it the best machine on the market for cultivating crops that are planted in rows of varying widths.

Maximum Width, 46 Inches from Center to Center of Wheels

Minimum Width, 34 inches

Full 12 Inches Adjustment

The Change in Width Easily and Quickly Made

Made Only with Single Tongue

Thirty-Inch Wheels

- No. 108 Four Pin Shovels, Rigid Beams
- No. 109 Four Spring Shovels, Rigid Beams
- No. 110 Six Pin Shovels, Rigid Beams
- No. 111 Six Spring Shovels, Rigid Beams
- No. 112 Four Pin Shovels, Parallel Beams
- No. 113 Four Spring Shovels, Parallel Beams
- No. 114 Six Pin Shovels, Parallel Beams
- No. 115 Six Spring Shovels, Parallel Beams
- No. 116 Eight Spring Teeth, Parallel Beams
- No. 117 Eagle Claw, Rigid Beams

Buckeye Sunbeam Balanced Frame Walking Cultivator



No. 123

THIS is our latest and newest addition to the large and well-known Buckeye family of Cultivators. It is a *Balanced Frame Walker*, and has many new and improved features, making it far superior in every way to any other Cultivator of this style now on the market.

The Steel Axle is of One Continuous Piece, Giving it Great Strength
No Joints to Work Loose and Wobble

Light and Neat in Appearance	Perfectly Balanced
Single or Double Tongue	Thirty-Inch Wheels

- No. 118 Four Pin Shovels, Rigid Beams
- No. 119 Four Spring Shovels, Rigid Beams
- No. 120 Six Pin Shovels, Rigid Beams
- No. 121 Six Spring Shovels, Rigid Beams
- No. 122 Four Pin Shovels, Parallel Beams
- No. 123 Four Spring Shovels, Parallel Beams
- No. 124 Six Pin Shovels, Parallel Beams
- No. 125 Six Spring Shovels, Parallel Beams
- No. 126 Eight Spring Teeth, Parallel Beams
- No. 127 Eagle Claw, Rigid Beams

Buckeye Sunbeam Spring Tooth Walking Cultivator



No. 126. Spring Tooth Walking Cultivator
(Same Frame as No. 123)

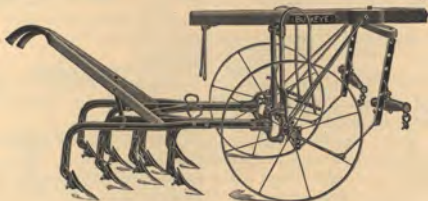
Eight Teeth

Parallel Beams

Single or Double Tongue

Flat Lifting Spring

Buckeye Sunbeam Eagle Claw Walking Cultivator



No. 127. Eagle Claw Walking Cultivator
(Same Frame as No. 123)

Rigid Eagle Claw Beams Adjustable Shovel Sleeve with Round Shovel Post
Adapted to Level Cultivation

Buckeye Pivot Axle Disc Riding Cultivator



No. 50. Buckeye Disc Riding Cultivator

Wheel Guide Double Tongue Drop Hitch Forty-eight Inch Steel Wheels
Adjustable Arch Spring Pressure Fourteen-Inch Discs
Beams Adjustable To or From Row

EACH set of three discs turns on a pivot point and can be adjusted to throw dirt to or away from the row at any angle without the use of a wrench, and tilted to any angle for ridged corn or cotton.

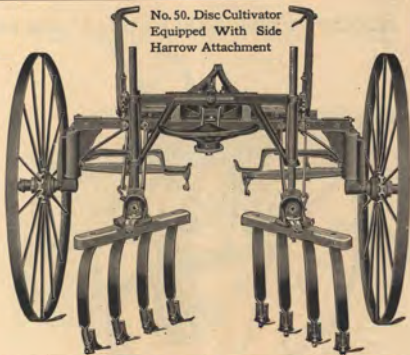
Extra Center Disc Attachment consisting of two discs can be furnished for making perfect Fallow Cultivator. These discs are attached to the inside of the regular section of discs, making four discs on a side instead of three.

Extra Leveler Attachment can be furnished for leveling the ground after the discs.

The best cultivator on the market for cultivating cotton.

Constructed Especially for Cultivating in Pea Vines and Foul Ground

No. 50. Disc Cultivator
Equipped With Side
Harrow Attachment



For the Southern Trade. By Removing One Bolt, Side Harrow Can Be Substituted for Discs.

No. 157. Pivot Axle Cultivator
With Disc Attachment



This Attachment takes the place of the Front Shovels and is used for first cultivation of corn and the hilling of corn and other crops. Adjustable for throwing dirt to or from the row.

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

The Buckeye Pivot Axle Riding Cultivator



No. 156. Improved Buckeye Pivot Axle Riding Cultivator

Single Tongue

Square Tube Steel Frame

Forty-two Inch Wood or Steel Wheels

Spring Pressure

Steel Seat Adjustable for Length and Height
Connected With Beams

Drop Hitch Directly

Height of Arch Thirty-four Inches

Adjustable Arch

Refer to Number of Cultivator for Minimum and
Maximum Width

Pressure of the foot on foot-lever turns the wheels and moves the beams at the same time, thus shifting the entire cultivator instantly in the desired direction.

Space between beams can be instantly changed while the machine is in motion by a convenient spacing lever.

Specially Adapted to Crooked Rows and Hillside Cultivation

The Most Popular Riding Cultivator

The Buckeye Pivot Axle Riding Cultivators

as illustrated on previous page are listed as follows:

No. 154	Four Pin Shovels,	Long Axle,	Minimum width 42 in.	Maximum 52 in.					
No. 155	" Spring	"	"	"	"	"	"	"	"
No. 156	Six Pin Shovels,	"	"	"	"	"	"	"	"
No. 157	" Spring	"	"	"	"	"	"	"	"
No. 158	Eight Pin	"	"	"	"	"	"	"	"
No. 159	" Spring	"	"	"	"	"	"	"	"
No. 160	Six Pin	" Short	"	"	"	37 in.	"	47 in.	
No. 161	" Spring	"	"	"	"	"	"	"	"
No. 162	Eight Pin	"	"	"	"	"	"	"	"
No. 163	" Spring	"	"	"	"	"	"	"	"
No. 164	Ten Spring Teeth,	Long	"	"	"	42 in.	"	52 in.	
No. 165	"	Short	"	"	"	37 in.	"	47 in.	

Our long axle is standard, the short axle having been provided for cultivating of potatoes, beans, tobacco and other crops planted in narrow rows.

Extra Single Center Attachment for all of these Cultivators except Nos. 164 and 165, which have extra Three-Tooth Center Attachments.

Disc Attachment can also be furnished for the cultivator, cut of which is shown on a preceding page.

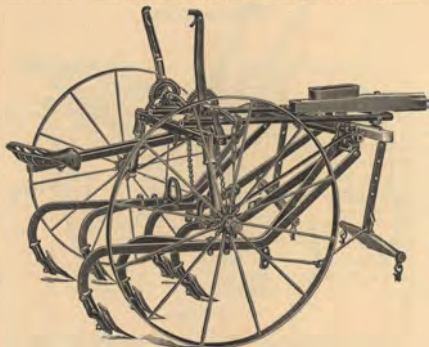
To Meet the Demands of Michigan Trade

We also furnish beams of special design for Nos. 158, 159, 162 and 163 Cultivators. These special beams carry four shovels in the same space as three shovels are carried on the regular beam. Illustrated in special circular.

OUTSOLD A GOOD CULTIVATOR MADE IN THEIR HOME TOWN

LIGGETT & MULL, Akron, Ohio, say: "We have in the past two years sold about seventy-five of your Buckeye Pivot Axle Cultivators, and taking into consideration the fact that we practically introduced them here, and that in our territory we outsold the cultivator made here in Akron, you can see what satisfaction they give the trade. As to our opinion, see the carload order for next season."

Easy Buckeye Riding Cultivator



No. 168. Improved Easy Buckeye Riding Cultivator

Single Tongue Forty-two Inch Steel Wheels Square Tube Steel Frame
Drop Hitch has Direct Connection with the Beams, and Depth of Shovels can be
thus Regulated

Running Ratchet for Lifting Lever Height of Arch Thirty-four Inches
Steel Seat Adjustable for Length and Height

Arch Adjustable for Wide and Narrow Rows, Minimum Width 37 Inches;
Maximum 47 Inches

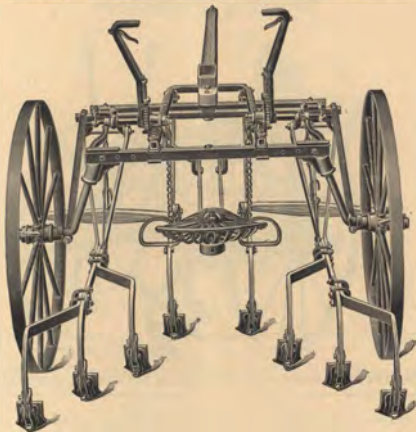
Two Outside Beams are Not Movable Sidewise, but the Two Inside Beams are
Independent and Can be Guided by the Operator with Ease

The Position of Both the Outside and Inside Beams Can be Changed by Shifting
Front Coupling on Cross Rail

The Simplest, Strongest and Easiest to Operate Never Come Back

- | | |
|---------|----------------------|
| No. 166 | Four Pin Shovels |
| No. 167 | Four Spring Shovels |
| No. 168 | Six Pin Shovels |
| No. 169 | Six Spring Shovels |
| No. 170 | Eight Pin Shovels |
| No. 171 | Eight Spring Shovels |

Easy Buckeye Riding Cultivator



No. 170. Improved Easy Buckeye Riding Cultivator

THE above is a rear view of the Easy type of Buckeye Riding Cultivators and is intended to show the frame and the unobstructed view of the row from the operator's seat.

The second standard from the inside and the outside standards can be detached.

This view also shows method of narrowing or widening the arch. Minimum width 37 inches; maximum 47 inches.

Outside beams not guided by the operator. Inside beams independent and easily guided. The position of both the outside and inside beams can be changed by shifting front coupling on cross rail.

Drop Hitch has direct connection with beams, and depth of shovels can thus be regulated. Forty-two inch wheels.

See also cut and description on previous page.

This Cultivator has Created Many Satisfied Customers

Buckeye Combined Riding and Walking Cultivator



No. 150. New Buckeye Combined Riding and Walking Cultivator

BALANCED FRAME insures perfect balance when used either as a rider or a walker. Balance Frame Lever is connected with rock shaft which supports both ends of the axle.

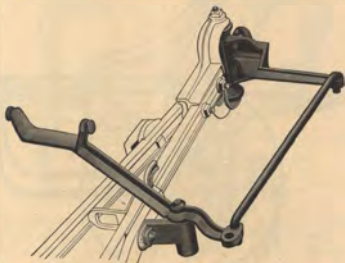
Single Tongue. Steel Frame. Forty-two Inch Steel Wheels. Drop Hitch with Direct Connection to Beams. Spiral Lifting Spring for Regulating Depth when used as a Walker. Steel Seat Adjustable for Length and Height, to be thrown forward out of way when used as Walker.

Width of wheels controlled by sleeves on axle. Maximum width 53 inches; minimum 47 inches. Position of front ends of beams can be moved so as to place the inside shovels close together or wide apart. Spacing of beams is accomplished by an arch which is quickly and easily adjusted.

No Parts to be Attached or Detached when Changing from a Rider to a Walker. Has More Good Points for Convenience, Adjustability, Ease of Operation, than Any Other Combined Cultivator.

- No. 148 Four Pin Shovels
- No. 149 Four Spring Shovels
- No. 150 Six Pin Shovels
- No. 151 Six Spring Shovels
- No. 152 Ten Spring Teeth

Foot-Guide for Combined Riding and Walking Cultivator



THE DESCRIPTIVE CUT represents the Foot-Guide Device used on the Combined Riding and Walking Cultivator.

Shifting the balance lever or shifting the front end of beams does not affect this device.

Few Joints, No Lost Motion

The foot lever, as illustrated above, is so constructed that there is absolutely no lost motion, and it responds instantly to the slightest pressure of the foot. The long leverage makes it easier to shift the beams with our device than with any device ever invented for this purpose. Uneven or crooked corn can be cultivated with greater ease with this cultivator than perfectly straight rows can with any other machine on the market. Beams can be locked together or used independently.

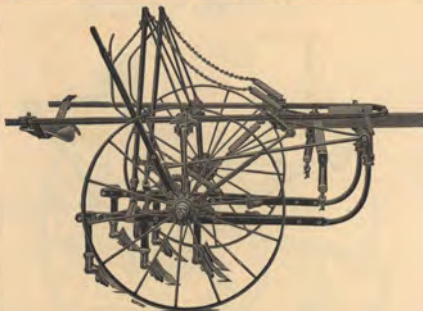
MESSRS. P. P. MAST & CO.,
Springfield, Ohio.

Gentlemen:—The Buckeye Cultivator purchased of you, I am pleased to state, is giving the most perfect satisfaction. I have used this cultivator both in black loam and clay soil, in straight and crooked corn, and in all cases it responded promptly to the slightest pressure of the foot. This is more than can be said of another make of cultivator that my neighbor is using.

Yours Respectfully,

OSCAR KNOTT.

Handy Buckeye Riding Cultivator



No. 104. Buckeye Hammock Seat Riding Cultivator

BALANCED FRAME for light or heavy operator. Balance Frame Lever is connected with rock shaft which supports both ends of axle.

Single Tongue. Square Steel Tube Frame in One Piece.

Forty-two Inch Steel Wheels. Width between wheels controlled by sleeves on axle. Maximum width 52 inches; minimum 47 inches.

Operator has unobstructed view of the row.

Pivoted Beam coupling and hinge at bottom of pendulum causes a level movement of the shovels when shifted to or from the row. No tipping of beams.

Long beams and swinging pendulum make beams easy to guide.

Latest improved type of Hammock Seat Cultivators.

- No. 102. Four Pin Shovels
- No. 103. Four Spring Shovels
- No. 104. Six Pin Shovels
- No. 105. Six Spring Shovels
- No. 106. Ten Spring Teeth
- No. 107. Eagle Claw Beam

Buckeye Curved Standard Spring Shovel



First Successful Spring Shovel Ever Invented

Used Continually for Twenty-five Years

Never Altered and Never Condemned

Tension of Spring can be Adjusted by Turning Tap on Spring Post

Two Holes in Shovel Sleeve for Changing Slant of Shovel

The Curved Standard Spring Shovel is used on our Walking and
"Easy" Riding Cultivators

Buckeye Straight Standard Spring Shovel



THIS SPRING SHOVEL embodies the same principles as the renowned
Curved Standard Spring Shovel.

Tension of Spring can be Regulated in the same manner.

Two Holes in Shovel Sleeve for Changing Slant of Shovel.

The Straight Standard Spring Shovel is used on our Pivot Axle and Ham-
mock Seat Cultivators.

Buckeye Senior Cider Mill



THE SENIOR CIDER MILL AND PRESS has a single frame, $2 \times 2\frac{1}{2}$ feet in size. Two-inch Wrought Iron Screw, with strong iron beams fastened to the main posts of the frame with three bolts at each end.

Three Grinding Rollers, each running at different speed, scrape and crush the apples so that the greatest amount of cider can be extracted.

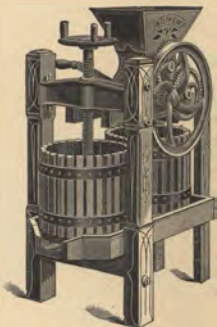
The Fly Wheel is attached to the shaft having the greatest speed, thus gaining the increased power over mills having the grinding rollers all running at the same speed.

We guarantee these mills to extract more cider from a given quantity of apples with less labor than any other hand mill.

Substantial Slatted Tubs with strong steel hoops are used for pressing. Strainer board conducts the cider from the tubs.

With this mill two men can grind and press from four to six barrels of cider per day.

Buckeye Medium Cider Mill



THE MEDIUM MILL in capacity is about half way between the Senior and Junior, being made on the same principle as the Senior Mill, having inch and one-half screw. It is well adapted for family use, and a mill which commands a large share of the trade, being of convenient size.

Buckeye Junior Cider Mill

THE JUNIOR is made on about the same principle and is built for those persons who want to make but a small quantity of cider at one time, and for pressing berries, etc. It has hardly half the capacity of the Senior Mill, being much smaller and having inch and one-quarter screw.





Office of P. P. Mast & Co., Springfield, O., U. S. A.

