

Buckeye

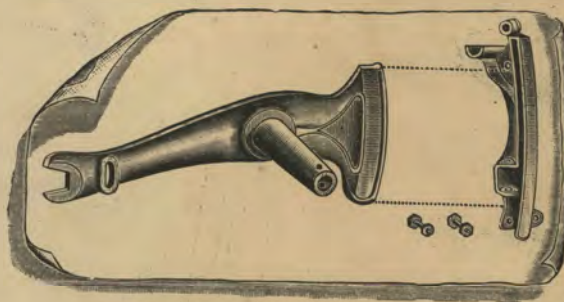


NO MAN who has seen the Buckeye Binder is in any doubt as to the significance, or the eminent propriety of the word "Frameless." The clumsy, unmechanical sector arrangement and the heavy wheel-frames seen on other binders are done away with on the Buckeye. The latter is, to that extent, a frameless machine.

Without Frame and Sectors, and Divested of Gear and Other Complications, It Uses No More Cog Wheels Than Are Required to Make the Ordinary Mower. For Simplicity, Durability, Ease of Management and Lightness of Draft It Has No Equal.

* * * * *

In the catalogues of the heavy antiquarians you will have to wade through page after page of wearisome apologies for their "main frames" with their accompanying "truss-bars," "hollow bars," "angle bars," "arched trusses," "sills," "sectors," "stay-bolts," "combination bolts," "sleeve joints," "corner clasps," "double grip joints," and other useless, and worse than useless, metal structural



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work ad infinitum. The farmer who cuts his crop with the Buckeye wonders why the whole batch has not long since gone into the Old Curiosity Shop where these things belong. The Buckeye not only frees itself of the whole brush-work of complication but far outstrips every other binder in light draft, convenience and capacity for long life and perfect work.

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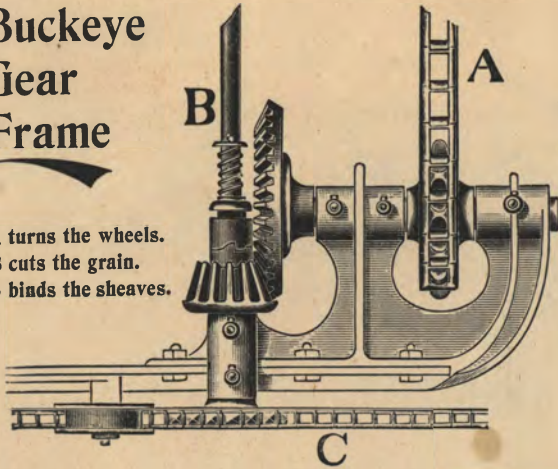
The above cut shows all the Buckeye supporting parts. These two pieces, and two small bolts, perform precisely the same functions which require at least fourteen weighty pieces and sixteen bolts on other binders. That is, the four Buckeye pieces fulfil every purpose that is accomplished by the thirty pieces on the truss-bridge pattern, and do the work a great deal better and easier, and the device never twists, racks, or gets out of order.



The outer end of the Buckeye platform is carried by the switch-wheel, while the elevator and binding mechanism rest upon the drive-wheel, which goes upon the other end of the platform. **The Binder, therefore, is borne on its two wheels in the same manner as on two wagon wheels, the rigid platform taking the place of the wagon axle.** The nature of our improved system is immediately obvious. Page after page is not printed in this catalogue in the vain effort to prove that the heavy rolled bars, tubes, cast iron corner pieces, sectors, etc., all bolted together, constitute a binder frame, for the simple reason that all these unnecessary and unmechanical complications have been done away with on the simpler and lighter and lighter-running Buckeye.

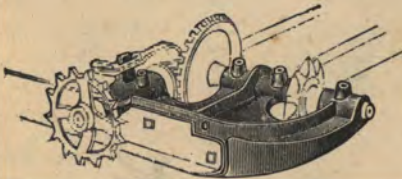
Buckeye Gear Frame

A turns the wheels.
B cuts the grain.
C binds the sheaves.

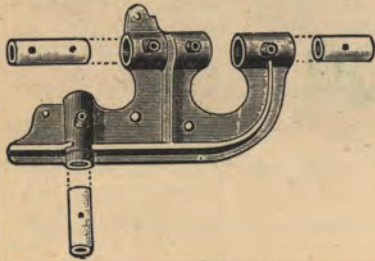


Note the fact that both our Gear Journals run in one solid frame. Twist or racking of the Buckeye Gear Frame is an impossibility. This solid, honest kind of work characterizes the Buckeye Binder from top to bottom, rendering it not only the most simple and convenient machine, but by far the most durable that has appeared in any market of the world.

The Journals of the Buckeye's Single Gearing run in



This One Light, Strong Casting.
Twist and Break are Impossibilities.



These Brass Bushings
also guarantee long life and easy running. Another good example is



The Buckeye Crank Shaft Box,
which, like the other bearings, shows long boxing, brass lined or bushed.

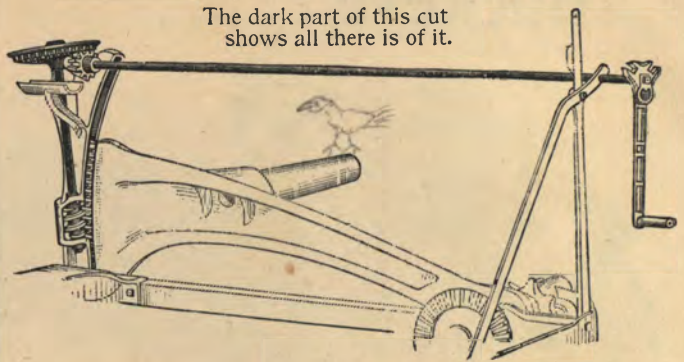
The Journals

of the Buckeye's Single Gearing run in handy oiling places; in fact it only depends on the farmer whether his Buckeye Binder, the very best that masterly skill has yet produced in all other respects, shall not also last a lifetime.

The Buckeye is made for use, not show. Parts of the machine not shown, and not easily visible, have as much attention and are as carefully tested as any other.

Take a Good Look at Our Raising and Lowering Device.

The dark part of this cut shows all there is of it.



A binder should be raised and lowered with no more effort than this man is putting forth. Some of the grandest improvements on binders have been the last, and this is one of them.

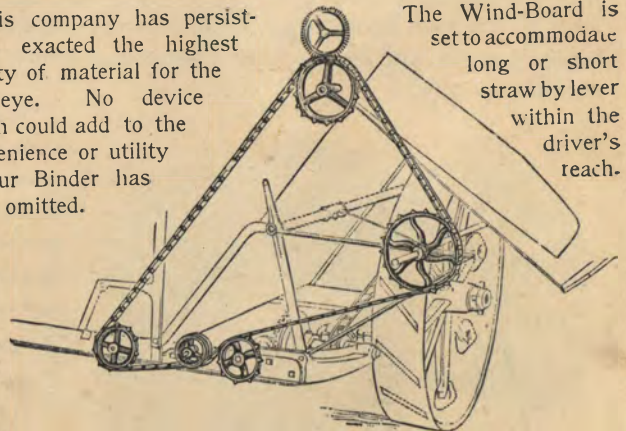
The Buckeye uses the largest chain links; also the longest and truest bearings on all its gears, shafts and pinions. Compare it with any binder made.

Perfect Work,
Light Draft,
Long Life,
are the grand results of our system.



This company has persistently exacted the highest quality of material for the Buckeye. No device which could add to the convenience or utility of our Binder has been omitted.

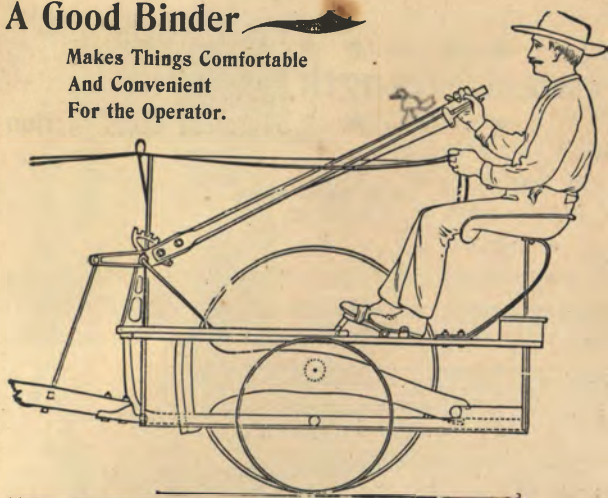
The Wind-Board is set to accommodate long or short straw by lever within the driver's reach.



BUCKEYE SYSTEM. The simple and easy manner in which the motion of the wheel is transmitted to the cutters and binder is one of the Capital Excellencies of the Buckeye.

A Good Binder

Makes Things Comfortable
And Convenient
For the Operator.

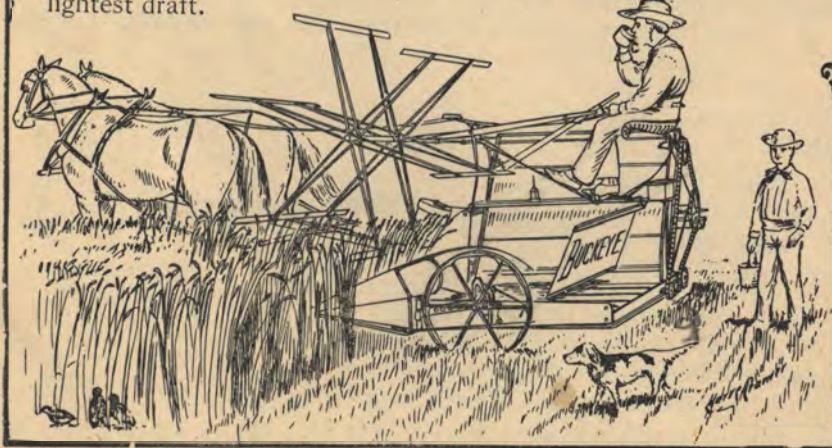


THE BUCKEYE FRAMELESS BINDER

Possesses the Newest and Latest Improvements which are found on no other Binder.

The great superiority of the Buckeye Frameless over all the old heavy-framed machines has become so well known that farmers will do well to secure one while they can. It is the safest binder to buy and, while not the cheapest made, it is the cheapest because it will do the best work with the least waste and power. In buying the Buckeye you will get the **Biggest Binder Bargain in the Market**, taking into account the superior work it can do and the big difference in lasting values. The new principles embodied in the Frameless Binder furnish the greatest strength with least weight, fewest

parts, simplest construction and lightest draft.



The Buckeye Flag.

Notice the **Line Guide**. Many an accident has occurred because the machine was without this simple device. With **his lever** the driver throws the cutters down so as to shave off the patches of fallen grain. He also puts the band where he wants it. He has **Perfect and Easy Control of the Entire Machine**.

• • •

What Every Prudent Farmer Wants

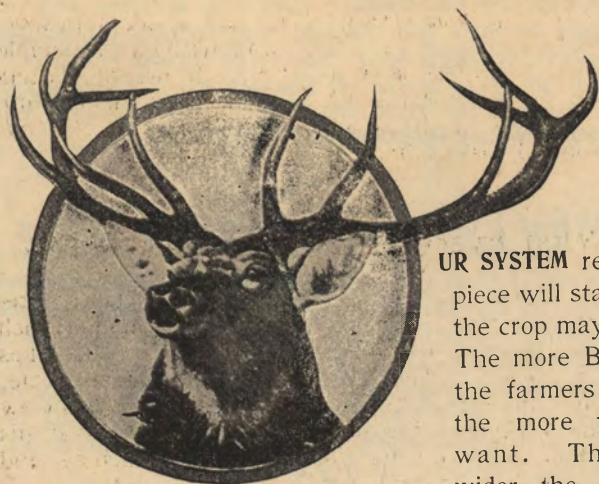
Is a binder that can vanquish all the difficulties presented by time, crop, and condition of ground. Such a machine is the Buckeye Binder. Everybody likes the Frameless. The driver on the Buckeye has a safe, comfortable spring seat from which he has a good view of the working of the machine. He also has at his hand all the levers for controlling the machine and adapting it to different crop conditions.



Rear View of the Frameless.

The Frameless is made to cut 5, 6, and 7 feet, and is warranted to do the best work in all kinds and conditions of crop. Its characterizing advantages are **Superior Durability, Greater Capacity and Lighter Draft**. To these must be added **Unapproached Convenience**.

Notice the **Buckeye Flag**. It is supported at the end next the foot-plank in such a way that, without leaving his seat, the driver can put the flag exactly where he wants it. He can adapt it in a moment to long or short grain. He can also remove it in a moment's time. The flag is furnished with all our binders.

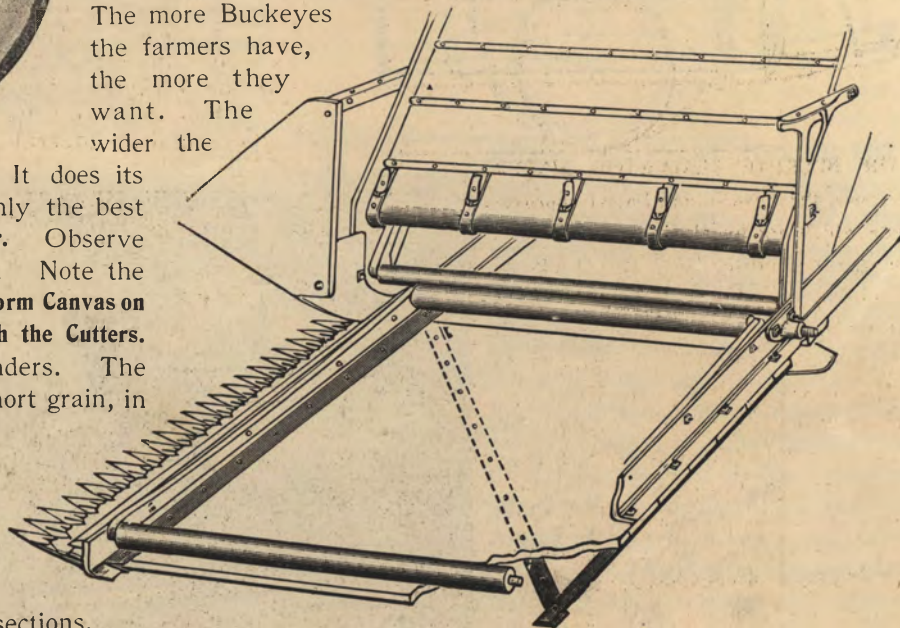


• • • • • Least Weight
Greatest Strength Fewest Parts
 • • • • • Simplest Construction

OUR SYSTEM requires fewer parts than any other binder, but every piece will stand the strain and do its work, no matter what difficulties the crop may present. All the Buckeye needs is an introduction. The more Buckeyes the farmers have, the more they want. The wider the

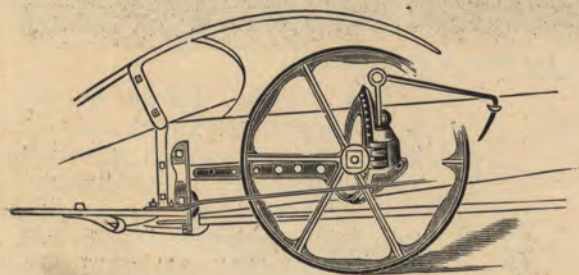
sale, the greater the demand. It does its own advertising. It is not only the best binder, but **the best made binder**. Observe the Platform Rollers in this cut. Note the important fact that the **Top Platform Canvas on the Buckeye is down on a level with the Cutters**. Compare this with other binders. The Buckeye does better work in short grain, in reeling, in elevating and in sheaf-making, than any high platform canvas can possibly do.

Clean delivery onto the platform is assisted by the fact that the sickle rib is under instead of above the sections.



Lightness, Stiffness and Strength are the First Requisites for a Platform.

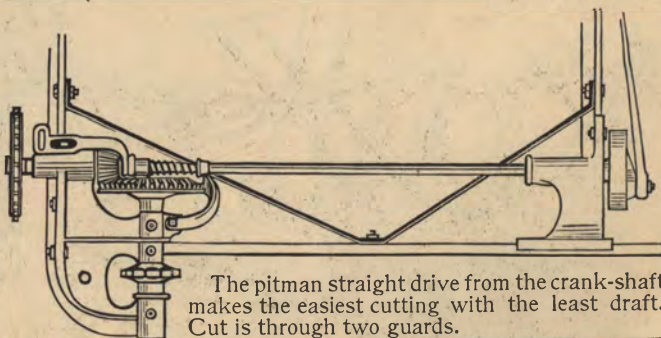
The diagonal brace shown in above cut, and the two braces to inner end of platform, shown below, are just what is needed. The light wood floor will never wear out nor rust out, and this Platform and Bar **will withstand any shock**.



By means of the crank the outer end of the machine is, **by one hand, placed at the right height, and stays where it is put**. The Divider is just the thing:

Light, Strong and Efficient.

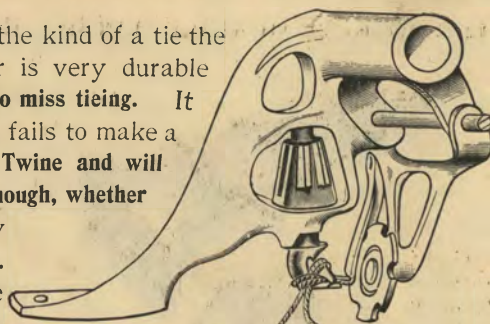
The Drive-Wheel and Grain-Wheel are in line. This assures a perfect balance over the center line, and frees the machine from neck weight. It also facilitates easy turning, and when the machine is tilted it cuts an even stubble, which the old style, truss-framed binders are powerless to do. On no other binder is the weight distributed so equally over the axle.



The pitman straight drive from the crank-shaft makes the easiest cutting with the least draft. Cut is through two guards.



BEST BE THE TIE THAT BINDS. That's the kind of a tie the **Buckeye Knotter** makes. Our Knotter is very durable and is, besides, just **simple enough not to miss tying.** It don't get out of order and it never fails to make a good, sure knot. **Our Knotter saves Twine and will make good work with any twine that is strong enough, whether thick, thin, or both.** It is the most costly knotter, but it is the surest knotter made. With a good quality of twine, such as the "Buckeye," not a bundle need be missed.

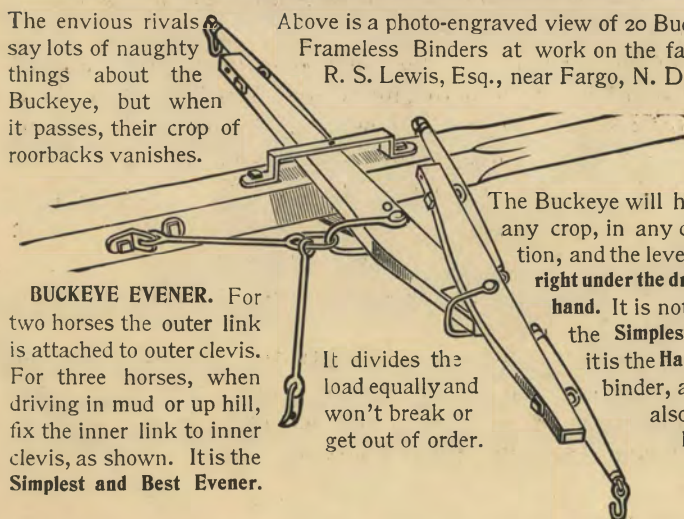


Buckeye Knotter.



The envious rivals say lots of naughty things about the Buckeye, but when it passes, their crop of roorbacks vanishes.

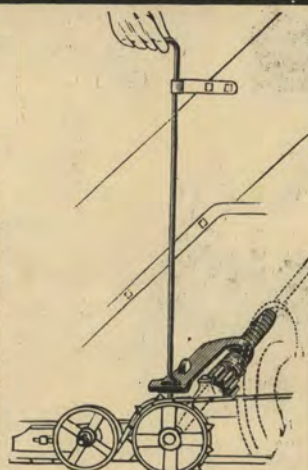
Above is a photo-engraved view of 20 Buckeye Frameless Binders at work on the farm of R. S. Lewis, Esq., near Fargo, N. D.



BUCKEYE EVENER. For two horses the outer link is attached to outer clevis. For three horses, when driving in mud or up hill, fix the inner link to inner clevis, as shown. It is the **Simplest and Best Evener.**

It divides the load equally and won't break or get out of order.

The Buckeye will handle any crop, in any condition, and the levers are **right under the driver's hand.** It is not only the **Simplest**, but it is the **Handiest** binder, and is also the **BEST.**



Gear Shifter.

TENSION

Of twine is not affected by shifting binder, nor by any changes in the size of bundles.

The twine box holds two balls.

The needle is very easily threaded.

The operation of our **adjustable cord-holder** is perfection itself. It has not occurred to us to make any special claims for it—it speaks for itself.

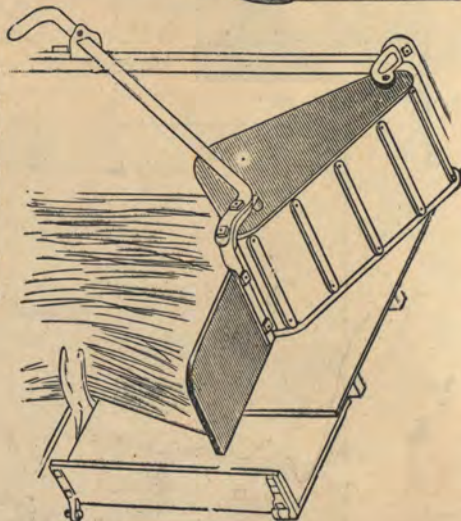
THE BUCKEYE GUARD IS DOUBLE-BOLTED TO THE BAR. Avoid guards held in place by one bolt or you will wish you had. The fine steel ledger plate makes a smooth, keen cut. The cut at the right shows how the Buckeye platform is **sledged easily over soft places**, where other binders are stopped by scraping and choking with mud.

* * *

How many farmers have been disgusted with the conduct of their **inferior** machines at the point where the straw enters between the elevating canvases at the bottom! How often their machines choke from inability to elevate! But the **Buckeye** is **not a binder of that kind**. We challenge and defy anyone to choke the Buckeye Elevator in any crop whatsoever.

The **Butter Extension** here shown is a most valuable device, making far nicer bundles than the commonly used butter without any extension can do. Make sure to have a **Buckeye Revolving Butter**.

Vibrating Butters have only one merit, and that is **cheapness**.



THE DECK-TRIP on the Frameless is operated by its own sensitive spring which is entirely independent of the compressor-spring. Sizes of sheaves and tightness of binding are **easily and instantly regulated** by this spring.

THE BUCKEYE PACKER AND COMPRESSOR packs the bundles roundly and solidly while forming. The sudden strain put upon the compressing mechanism of other machines, which causes twine to break and wheels to slip, is thus avoided.

Changing sizes of sheaves does not change the twine tension. Round, nice bundles are made, and less twine is used than is required by any of the old-style binders.

Our New Bundle-Carrier.

Our old Bundle-Carrier was a good one. Nobody will deny that. But we have improved upon it, and Improvement over all the best, and all the past, is the Buckeye watchword.

For mode of attachment see page 3. For method of folding see page 12.

This Bundle-Carrier has been thoroughly tested and will do all we claim. It is self-locked while gathering its load, releasing the foot from all strain. It is as serviceable among stumps and trees as in the open field.

See how it is swung back and dumped by the foot, without waste or scattering.

See how it is folded to pass gates and other obstructions.

See its simplicity and lightness in comparison with the other fussy and heavy carriers.

The Buckeye Bundle-Carrier will save its cost every day or two of busy harvest. It has proven its efficiency as a time-saver and a crop-saver, and removes the serious impediments inherent in other

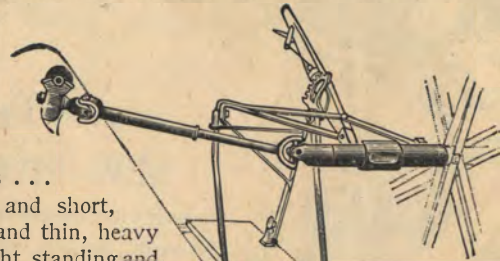


Bundle-Carrier Dumping its Load.

Bundle-Carriers, to the neat, quick and complete rounding up of the work of harvest.

The Buckeye Reel

Simplicity Again. No Sprockets. No Chains.
No Posts. No Springs. Only One Lever. Easy
to Handle. Puts the Grain on the Right Spot. . .



All Crops . . .

Long and short,
thick and thin, heavy
and light, standing and
tangled, must be han-
dled by the same reel.

The Buckeye Reel is equal
to Every Emergency.

(Buckeye Reel Gear.)

You can invoice the
whole binder fraternity
without finding one reel
so full of good points.

No reel has a wider range of perfect work, and none is
so easy to handle. In an instant it is placed high or low,
forward or back, just where it will do the best work.

The elevator canvases are very wide, and extend seven
inches in front of the front line of the platform.

This obviates the need of "kickers," "rakes," and
all that class of make-shifts. What

livers on the platform goes right
packers in good shape, as shown.

There is no clogging, in fact no

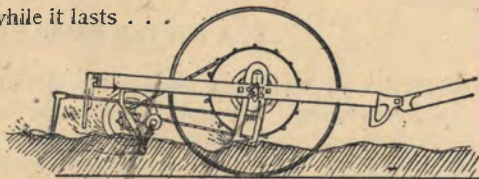


Office of the Buckeye Exhibit at the World's Fair.

THE BUCKEYE FLAG, shown on page 3, is furnished with all binders.
the driver without leaving his seat. It is also removed from the machine
waste of time.

To Buy the Buckeye is REAL ECONOMY

Because it will outlast all
others and will do the best
of work while it lasts . . .



Mud-Logged Bridge-Frames on Soft Ground.

Rain, mud and harvest sometimes keep
get their gears mud-logged on soft ground
incomparably superior to all binders built on



Simplest Machine and the Most Perfect Self-Binder

The Buckeye

ALL
IN
ONE.

Frameless Binder is noted for its NEW PIVOTED FOLDING BUNDLE-CARRIER.

This device meets every possible requirement. It drops back or folds up to pass stumps, fences, or through gates.

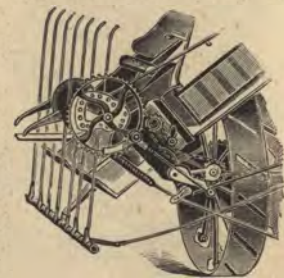
It carries a heavy load.
It dumps the sheaves without shock.
It is easily removed.
It is easily handled.
It folds entirely out of the way.
It is the perfection of convenience.

It delivers its load in neat shape, all at once—there is no dragging of sheaves.

The load of sheaves is dumped, and the carrier swung back into place by a slight pressure of the driver's foot. While the carrier is receiving its load no pressure is required.



Dumping Its Load.



Bundle-Carrier Folded.



This Buckeye Clover Attachment

Often comes handy in buckwheat, wet oats and other crops. Clover can be saved **easier** and **faster** than in any other way.

Flax is handled with **gentle movements** that cause no loss of seed. The draft is very light.

... A BOY CAN HANDLE IT ...

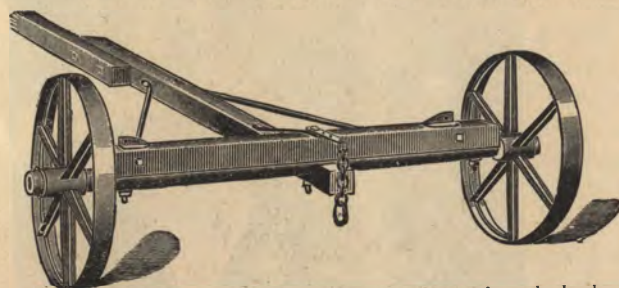
THE BUCKEYE FRAMELESS possesses very important improvements which are not found on no other binder. The main wheel consists of only two spokes. It is self-tightening and indestructible. It dispenses with all other work. These advantages, and others equally valuable, make the Buckeye Frameless as the binder which furnishes the most perfect work with the least weight, the fewest parts and the simplest construction. It can be furnished with flax dump, with bundle-carrier, with clover attachment and with truck, of the most perfect pattern. The past five years have placed this binder in advance of all others in simplicity, ease of handling and lightness of draft.

Buckeye Binder Trucks

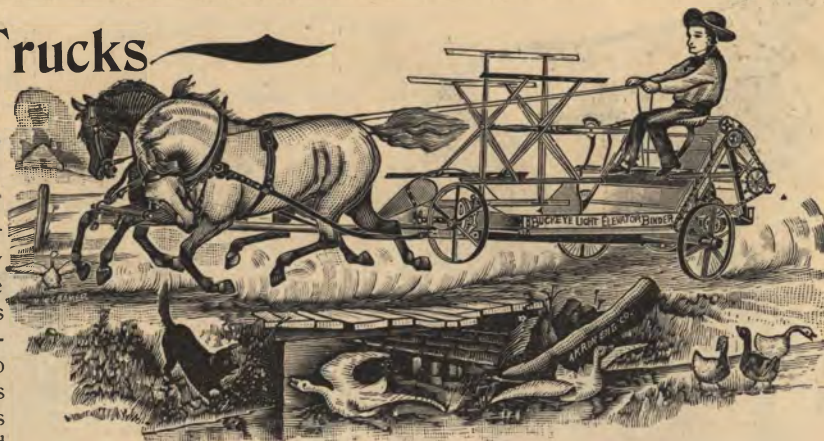
Handy. Safe and Convenient for Moving Binder
for Considerable Distances

The Entire Binder Structure is Firmly Supported
from End to End

The cut shows our binder loaded on our two-wheeled truck. It is loaded by simply lifting the binder well up by means of the harvester lifting crank, when the truck is run under the platform-end to its place beneath the binder. Then use the crank to lower the binder, when the drive-wheel is lifted off the ground and the machine is loaded. The binder tongue being attached to its place, the truck can be driven over the roads, and from field to field as easily as a cart.



The first American patent was issued to Joseph Jenks, of Massachusetts, in 1646, for an improved scythe; the last and greatest to Lewis Miller for the Buckeye Frameless Binder.



The Header Attachment enables the farmer who has the Buckeye Frameless Binder to save the heads of his grain leaving the straw to stand. It is simple, runs light and is



very easy to handle. Equipped with our Header the farmer can head his grain or bind it into sheaves, as he may wish



... Our New Foundry ...

Is the largest and most perfectly equipped in America. Its dimensions are 100x400 feet. Daylight is admitted through 290 windows - at night electricity is used. Five hundred horse-power boilers are required for the foundry alone. The cupola has an hourly capacity of 20 tons. Moulders do not carry the iron; it is transported from end to end of the vast room by the Hayes Patent Iron Carrier, and a single track railway suspended from the roof trusses. Other rooms of this notable plant, not shown in illustration, are as follows

Moulding-sand room, - -	78x32 feet
Core-sand room, - - -	23x25 "
Core room, - - - - -	64x44 "
Tumbler room, - - - -	64x24 "
Cleaning room, - - - -	36x77 "
Pattern room, - - - -	100x100 "
Fire-proof pattern vault, -	64x32 "

UCKEYE TWINE ~ ~ ~



Farmers can assure themselves against monopoly, impositions, fraud and adulteration by securing Buckeye Twine. It is the best made twine and in respect to quality it will always be exactly as represented.

Our twine mills are supplied with the very best and latest spinning, baling and baling machinery.

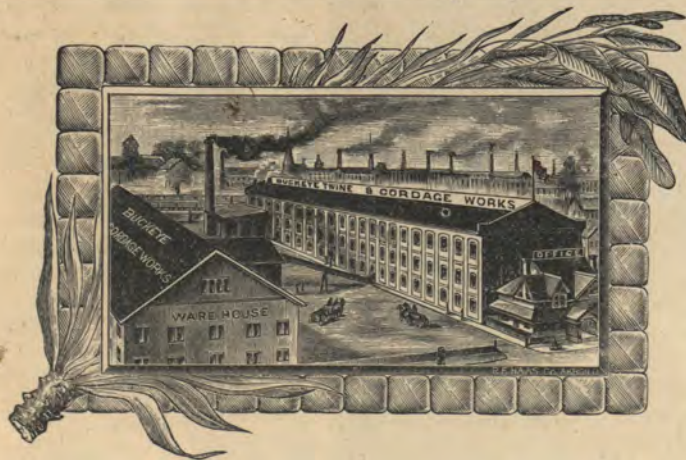
**We Obtain Our Fibers
From First Hands
And We Guarantee
Our Product.**

The makers of Buckeye Twine have no difficulty in satisfying their customers as to

price as well as quality. As makers of twine-binders it coincides with their interest **to keep down the price and to keep up the quality.** Whereas the trusts, with which pretty much all the other factories are identified, boom the price and cheapen the quality. It is not only natural, but it is correct, to suppose that the most successful builders of twine-binders should also be the best makers of the most reliable material for use on their machines. **We cannot and will not cheapen the quality of our twine** so that breaking has to be constantly feared, or so that large bundles cannot be bound and handled with impunity.



Grandmother's Spinning Wheel.



CHARACTERISTICS OF BUCKEYE TWINE:

Length and strength.	Uniformity in size and strength.
Free from bunches and faults.	Careful baling and baling.
No mildew or insects.	Low price for good quality.
Ample tensile strength.	Perfect binding qualities.

Get Buckeye Manila, Sisal, or Mixed, **all guaranteed**, and you will reap the reward of wisdom.

If you have a Buckeye Binder, put the cap sheaf on your good fortune by securing **Buckeye Twine**. Get Genuine Buckeye Twine anyway, and avoid the cheap-made, high-priced monopoly stuff.

WE MAKE A SPECIALTY OF
**Buckeye
BINDER TWINE**

Aultman, Miller & Co.'s Twine Manufacturing Enterprise has proved to be most satisfactory. It has freed our trade from the impositions of hostile interests and monopolies. We buy fresh twine stock from the importers of raw material, and make all popular grades of twine, viz: Pure Manila, Pure Sisal and Buckeye Mixed Twines.

The experience of our patrons has thoroughly established the fact that by using Buckeye Twine the farmer is

assured of immunity from the vexations to which he is constantly liable from the use of inferior grades. While it is true that the Buckeye Knotter can utilize all grades of twine in binding, we need hardly say that the better the twine the more regular and perfect is the work of the machine. **We guarantee our product**, and invite correspondence from all who desire first-class twine in large or small lots.

Farmers know that Buckeye Twine is always as represented, and we are assured of a large demand for 1894.

We can furnish twine in large or small lots, of any grade made by us, guaranteeing that it will give entire satisfaction. Persons in want of good twine can save money by buying of us. Since we have commenced to supply our patrons with Buckeye Twine, made in our own factory at Akron, there is no more complaint about twine trouble. We are running our works day and night, making every effort in our power to supply all our friends with this splendid brand of guaranteed twine at rock bottom prices. With our Buckeye Binder and an outfit of Buckeye Twine, the farmer can fearlessly assail any crop that grows. He is master of the situation.

OUR MOTTO IS TO KEEP DOWN THE PRICE AND KEEP UP THE QUALITY,

whereas the trusts boom
the price and cheapen
the quality

OUR TWINE, LIKE OUR BINDERS, MUST
BE THE BEST, WE CANNOT AFFORD TO
HAVE IT OTHERWISE

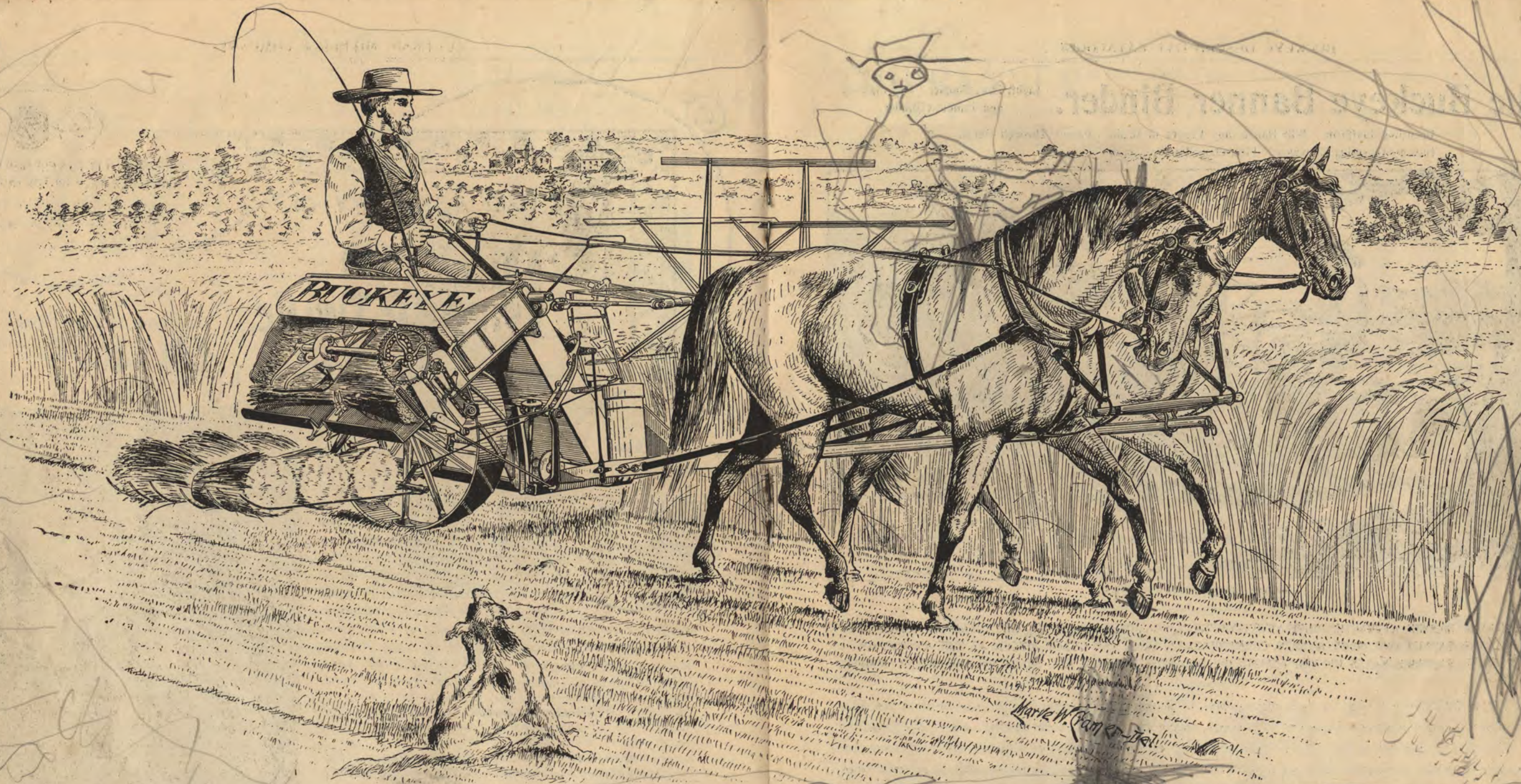
Wide
Awake
Farmers

Insure themselves
against Imposition,
Monopoly and Fraud
by securing

Buckeye
Twine.



Buckeye Twine Exhibit at the World's Fair.



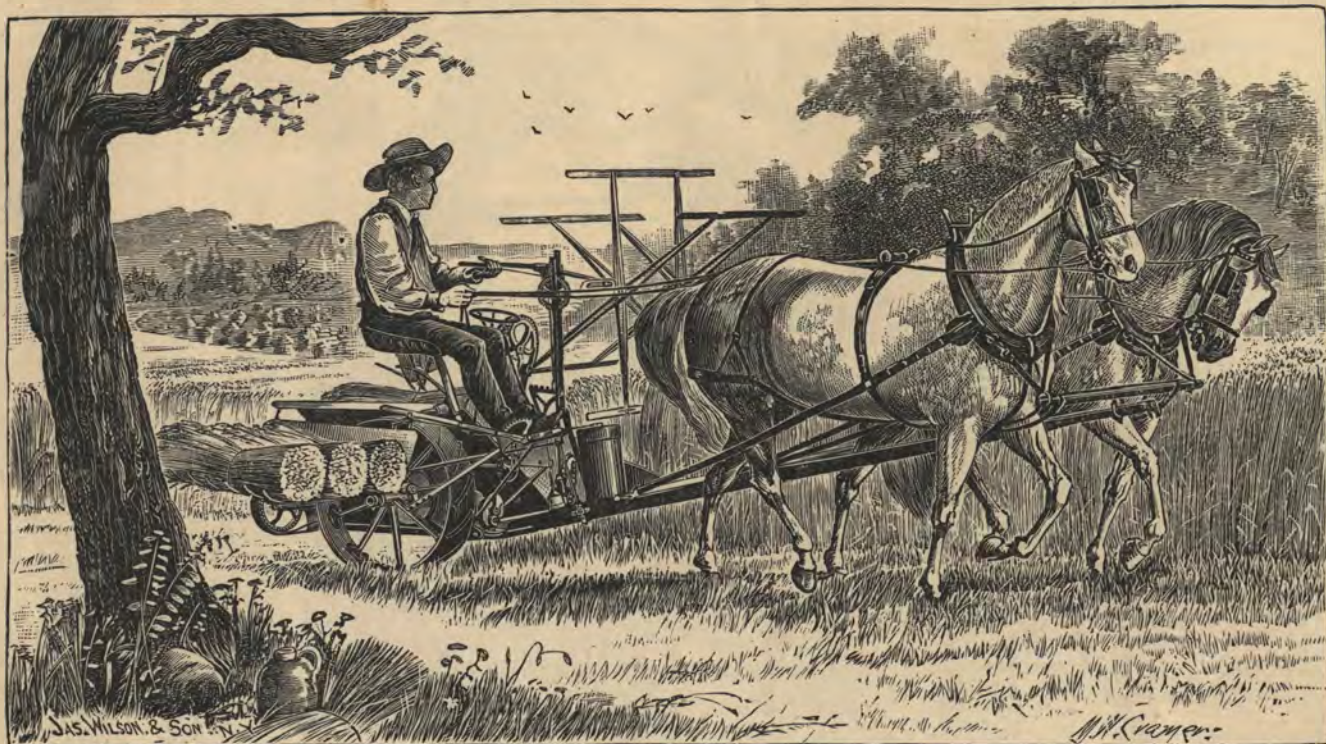
... Buckeye ...

... Frameless ...

The Buckeye Banner Binder.

Light, Low, Simple. The Lightest
and Handiest Binder.

Open-End Platform. Will Handle any Length of Grain. Passes Through Gates.
Has no Elevating Canvases. First-Class Bundle-Carrier



Buckeye Banner Binder, Front View.

THE BUCKEYE BANNER ATTRACTED MORE ATTENTION THAN ANY OTHER BINDER AT THE COLUMBIAN EXPOSITION.
THE BUCKEYE BANNER GOT MORE HEARTY COMMENDATIONS THAN ANY OTHER BINDER AT THE EXPOSITION.
THE BUCKEYE BANNER'S SALES ON THE EXPOSITION GROUNDS EXCEEDED THE SALES OF ANY OTHER BINDER.

IN STRIKING contrast with the high appreciation in which the Buckeye Banner was held at the Fair were the queer and curious class of half-breeds, purporting to be platform binders, which disfigured the Exposition. Several of these had no field record at all. The system of several others, of porcupine propensities, forbids all possible utility in crops of any height. It was the funny conceit of several other machines to call themselves Platforms, or Pony Platforms, because the tops of their regular binders were somewhat depressed.

It is, however, well known by those who examine for themselves that the Buckeye was a long ways first in this field; that the inventions essential to the success of a platform binder were made by Lewis Miller, and that the same are in the exclusive possession of Aultman, Miller & Co. The Banner is the one successful platform binder, and the only one.



THE BANNER

IS EXACTLY WHAT VERY MANY FARMERS WANT AND ARE BOUND TO HAVE.

It is light, handy, and does perfect work. It is low and narrow enough to pass gates, and has the general appearance of a reaper rather than that of a binder. It is readily drawn by two horses, is very easy to handle, and is stored for winter in a comparatively small space. A striking advantage of the Banner for hilly regions is its lowness and lightness. In such territory it will eventually displace all the high binders. In respect to durability and reliable binding it is without a superior. We guarantee the Banner just as squarely and confidently as we do our Mower.



Photo-View of Banner in a Pennsylvania Wheat Field.

A FULL HARVEST.

Seems like a feller'd ort 'o jes' to-day
Git down and roll and waller, don't you know,
In that air stubble, and flop up and crow,
Seein' sich craps! I'll undertake to say
There's no wheat ever turned out that a-way
Afore this season! Folks is keerness, though,
And too fergitful, 'caze we'd ort 'o show
More thankfulness. Jes' looky hyonder, hey?
And watch that little reaper wadin' thure
That last yaller hunk o' harvest ground—
Jes' natchur'ly a-slicin' it in two
Like honeycomb, and gaumin' it around
The field, like it had nothin' else to do
Only jes' waste it all on me and you!

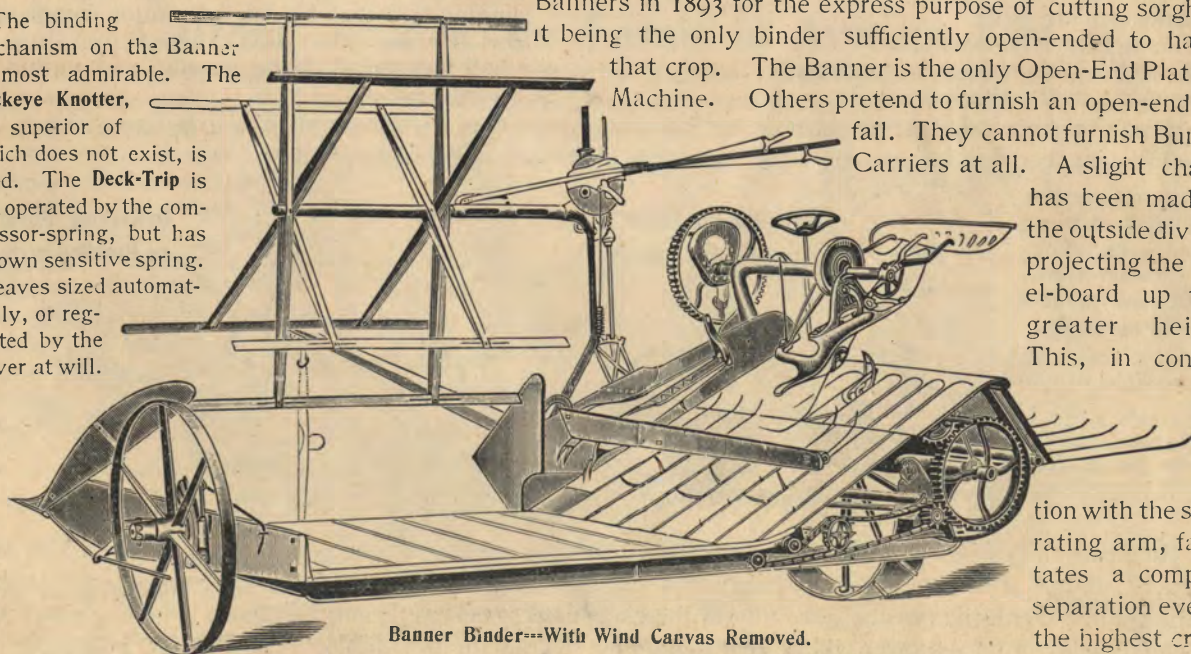
—James Whitcomb Riley.

Don't be Afraid to Assail Your Heaviest Grain with the Banner. It will do as much work, as nice binding, as perfect work in short and tangled crops, and do it with less labor, less twine, less worry, and far greater satisfaction than any trussed-frame or sham platform that ever was made. Only for big bonanza work and very wide cutting it is better to have the Buckeye Frameless.

The binding mechanism on the Banner is most admirable. The **Buckeye Knotter**, the superior of which does not exist, is used. The **Deck-Trip** is not operated by the compressor-spring, but has its own sensitive spring. Sheaves sized automatically, or regulated by the driver at will.

One of our Texas agents sold sixteen Banners in 1893 for the express purpose of cutting sorghum, it being the only binder sufficiently open-ended to handle that crop. The Banner is the only Open-End Platform Machine. Others pretend to furnish an open-end, but

fail. They cannot furnish Bundle-Carriers at all. A slight change has been made on the outside divider, projecting the bevel-board up to a greater height. This, in connec-



Banner Binder---With Wind Canvas Removed.

tion with the separating arm, facilitates a complete separation even in the highest crops.



AND THE **Banner of Victory** Are One and the Same.

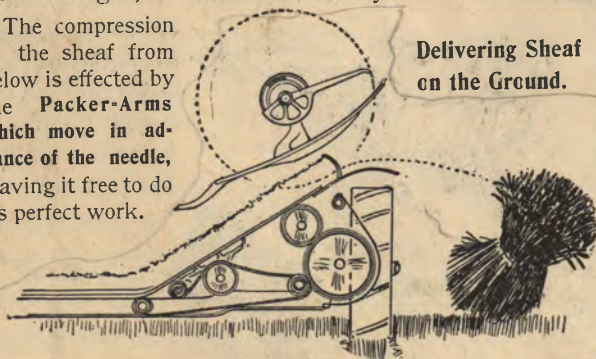
The Buckeye Banner Binder has won for itself the right to be regarded as the symbol of triumph as certainly as any banner that was ever carried by a conquering army. It has gloriously fulfilled its mission, viz: that of providing the farmer with a light two-horse binder that will handle any crop to his entire satisfaction. Here are a few of its characterizing features:

It is light, low and simple.
Open-end platform.
Handles any length of grain.
Has first-class bundle-carrier.
Only ten feet of canvas. (Other binders have thirty feet or more.)
Dispenses with four rollers.
No wrapping of straw around rollers.
Draft lessened at least one-third.
Only one reel lever needed.
Puts band in the middle.
Makes square butts.
Ties tightly. No waste.
Deck-trip sizes sheaves automatically.
Foot-trip to size sheaves at will.

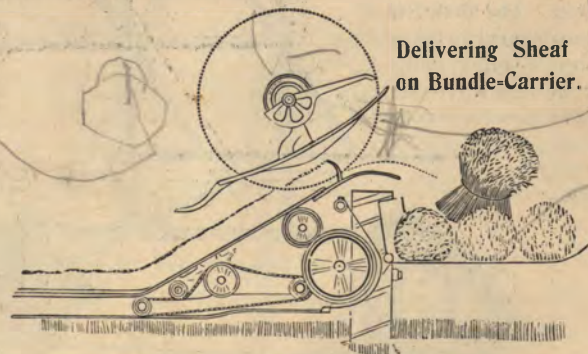
No shelling. No neck-weight.
No side draft.
Superior to all for hills. Cannot be upset.
Without leaving his seat the driver moves the reel up or down, forward or back;
Throws the machine in and out of gear; Ties bundles of any size at any moment;
•Tilts the cutters up or down to take up worst lodged grain;
Discharges or folds the bundle-carrier at will;
Raises or lowers the entire machine.
Nothing to bother heads—separation complete.
Reel has one lever and can be placed three and one-half feet ahead of the guards, and within one inch of the ground.

It can be truly said that no machine has a grander promise of usefulness than the Banner, and it sells itself at sight, because it is exactly what thousands of farmers are resolved to have.

The compression of the sheaf from below is effected by the **Packer-Arms** which move in advance of the needle, leaving it free to do its perfect work.



**Delivering Sheaf
on the Ground.**



**Delivering Sheaf
on Bundle-Carrier.**

In furnishing this light and simple machine, Aultman, Miller & Co. do not "send a boy to do a man's work." It is a perfect model of simplicity and durability, and its field-work fills the most exacting farmers with delight. With the possible exception of the exceptional Buckeye Frameless, there is no binder on which an equal outlay of horse-power will be represented by so great an area of nicely cut and well bound grain.

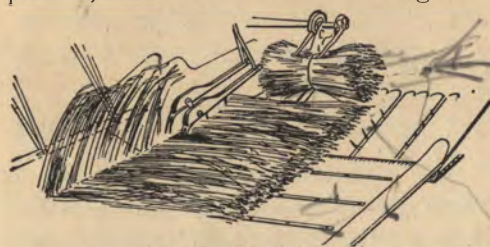


Banner in High Rye.

The Superior Convenience Of the Banner

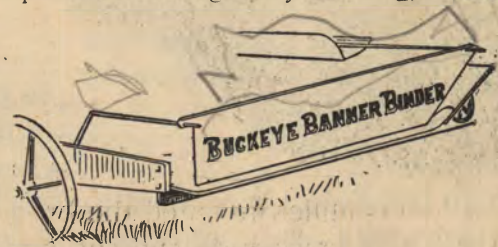
IS ATTESTED BY ALL WHO
HAVE USED IT.

Side Delivery, Easy Handling, High Rye
and Flat Crops Saved and Bound in
Best Shape. Little Elevation, no Lift-
ing Canvas Required, Perfect Separation,
Simple, Convenient



Cutting Short Grain.

Every lever is within easy reach of the driver. He can raise or lower the machine from his seat. He has perfect control of the reel, the tilt, the shifter, etc. The short and positive elevation secured by the pickers, the absence of the two long elevating canvases, the perfect precision and regularity of tying, all are mentioned in the most enthusiastic terms in thousands of letters which, in express and most enthusiastic terms, praise the conduct of the Banner in tall grain.

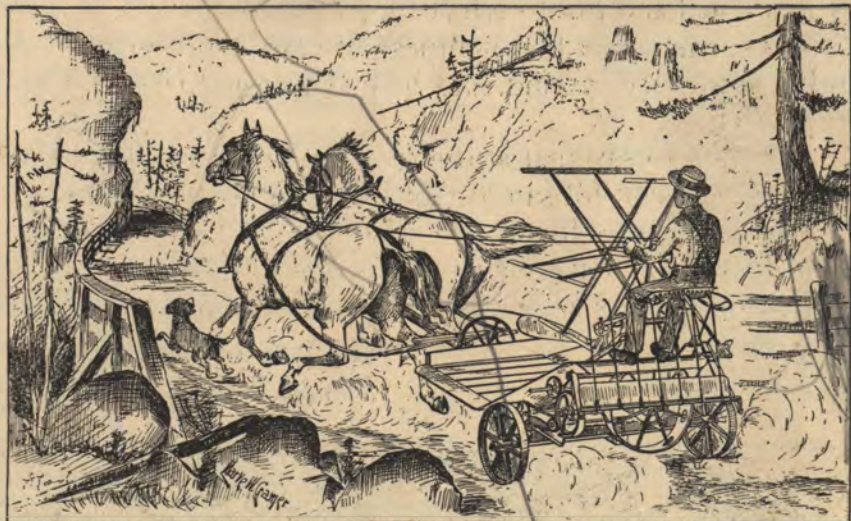


Wind Canvas.

A Grand Machine for Farms of Average Size

Because it will harvest the farmer's crop with the least expenditure of effort to himself and team, and do it in faultless style. It can cut the lowest stubble; it will shave the ground clean; it binds all crops neatly and tightly; it makes the neatest sheaf; it sizes the bundles at the will of the driver; it will bind any length bundle in the middle; it has the most perfect Bundle-Carrier; it has Brass-Lined Boxes all around; it is a perfectly balanced binder; its knoter is a perfect device. **Lightest in weight, finest finish, easiest to handle.** No neck-weight; no side-draft; no choking or clogging—nothing but straight business; no binder can equal it in handling down grain. The light, self-tightening, incomparable Buckeye Wheel is used on the Banner.

We have dwelt a little on the excellent work the **Banner** is capable of doing in tall grain. In hilly, rye-raising districts it is rapidly displacing every other form of Binder. Naturally the **Banner** is at home in the shorter crops. The elevation required is slight and is positive. The **Reel and Wind Canvas** can be put exactly where wanted. A wind canvas is furnished with every Banner.



Banner Bundle-Carrier Folded.



Uncle Sam is Rich Enough To Buy us All a Farm.

SUCH was the refrain of an old song. Our good uncle did even better than that, for, with his characteristic generosity, he gave away millions of farms. But farms were so plenty that their productive capacity was far in excess of the means of tilling them, and especially of harvesting the crops. It was in that eventful crisis, in the year 1856, that Lewis Miller invented the Buckeye Mower, a machine which instantly revolutionized methods of grass and grain cutting throughout the world and which, more than any other single factor, promoted the agricultural development of the great Mississippi Valley. That

The Buckeye Mower, Manufactured by Aultman, Miller & Co., Akron, Ohio,

is the original and most perfect type of grass cutter, is universally conceded. By perfection of type is meant that lightness of draft, convenience, durability and effectiveness of work over every ground, and in every crop, that has never yet been attained by any other machine.

It is safe to say that at the recent World's Fair at Chicago millions of people called to examine the beautiful samples of Buckeye Mowers there on exhibition. It is also worthy of note that visitors from foreign lands were generally quite as familiar with the peculiarities of this renowned machine, and were as unstinted in their encomiums upon it, as were the grateful farmers among whom Uncle Sam has apportioned his glorious heritage :

**"The land of the free and
The home of the brave."**



The First, Foremost and Best of all Grass Cutters, the Buckeye.

TUBULAR FRAME AND LONG CRANK- SHAFT OF THE BUCKEYE.

In the face of the universal effort to cheapen the construction of mowing machines, we continue to furnish this long crank-shaft on our New Buckeye Mowers. Experienced farmers well understand the advantages conferred by this long shaft in **durability, steadiness and lightness of running.** The rear bearing of this shaft runs in brass. The front bearing has long, adjustable boxing which is the perfection of convenience of adjustment, solidity and long endurance.

That which the framework is to the mill, and the bones to the body, such is the gear frame to the Buckeye Mowing Machine. It is **tubular, inflexible and imperishable.**

Every bearing of the mechanism rests firmly against this solid base. Perfect alignment and great durability are thus assured. The marvelous light draft of the Buckeye is also thus rationally accounted for. The tubular form naturally affords the **greatest strength with the least weight of metal.**

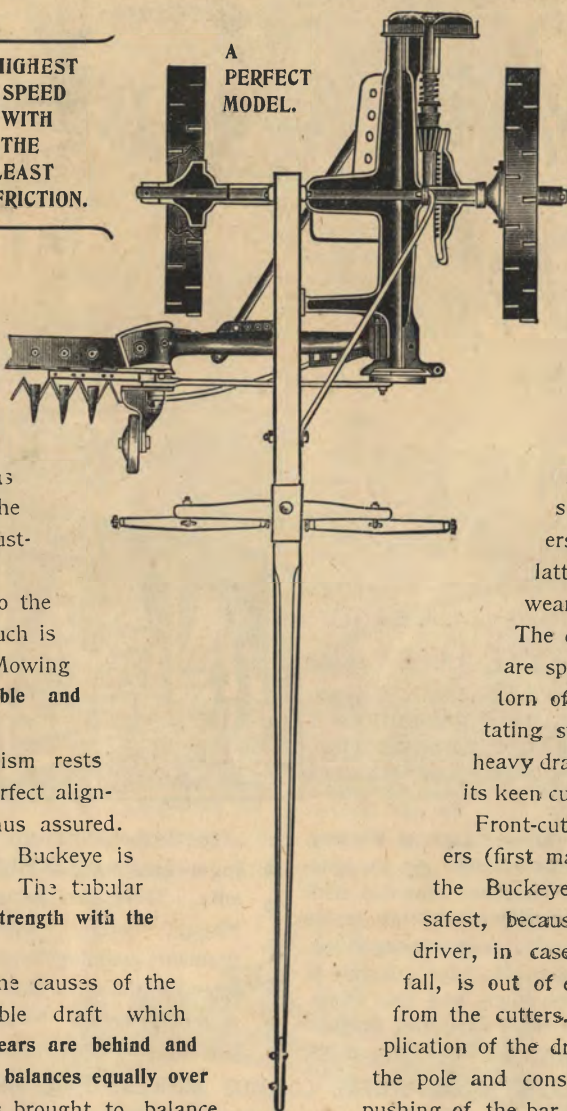
The diagram also illustrates the causes of the perfect balance and the equable draft which characterize the Buckeye. The **gears are behind and the cutters in front.** Their weight **balances equally over the axle.** The driver's weight is brought to balance power is also thus avoided. The draft of the Buckeye is not on the pole, but is directly from the cutter-bar, thus leaving the drivers free to apply every ounce of power they are capable of furnishing in the propulsion of the knife.

By means of our Lifting Lever and Foot-Lift (illustrated on another page), both the coupling and the cutter bars are **lifted high up for passing over stumps or large stones.** This lever, and the knuckle-joint, or gag, which renders it effective for the raising of the bar, constitute part of the inventions of Lewis Miller.

The Buckeye Tilting Device is Unsurpassed. In lodged grass it depresses the points of the guards so that even in the worst places **all is combed up and cut off clean,** and not a shred left. It also enables the driver to float the bar easily over roughnesses, small stones, tussocks and other slight obstructions. There is no mower made which affords equal conveniences for the perfect handling of the cutter-bar under all conditions.

HIGHEST
SPEED
WITH
THE
LEAST
FRICTION.

A
PERFECT
MODEL.



by means of an adjustable seat-spring. The tongue is placed between the gears and the cutter-bar, thus suppressing all side-draft. The motion of the power is imparted to the knife through a pitman with **parallel bearings, or hooks, at its two ends,** thus giving the knife, while cutting, **as fixed a place as any other part of the machine,** and doing away with the uncertainties, the infirmities, and the rapid decay which speedily and certainly overtake mowers using toggle-joints. Some of the latter claim to make guards that never wear out. **It is their horses that wear out.** The cutting edges of ball-joint mowers are speedily blunted so that the grass is torn off, rather than cut off, thus necessitating stocky guards, and entailing very heavy draft. The Buckeye is celebrated for its keen cutting and light draft.

Front-cut mowers (first made by the Buckeye) are safest, because the driver, in case of a fall, is out of danger from the cutters. Application of the draft to the pole and consequent pushing of the bar by the



YOU WILL MAKE
NO MISTAKE
if you
buy the

Mower

BUCKEYE

FRAMELESS ELEVATOR BINDER, OR THE BANNER OPEN END PLATFORM BINDER.

HIGHEST PRIZES

at all GREATEST EXPOSITIONS
and WORLD'S FAIRS, including
VIENNA, PHILADELPHIA,
PARIS, and CHICAGO.

the BUCKEYE EXHIBIT at the
COLUMBIAN EXPOSITION was
authoritatively pronounced
"the most Superb and Striking
Display in the great Hall of Agriculture."

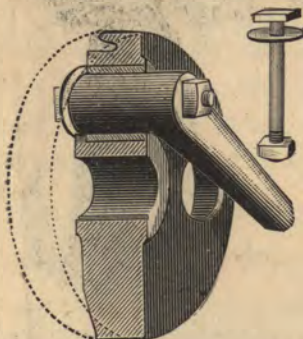
CHICAGO 1893
OFFICIAL RIBBON
MEDAL
Issued by Authority by the
WORLD'S COLUMBIAN
EXPOSITION
Geo. R. Davis
Director General
John B. F. Hays
Chairman
Committee of Awards
DEPARTMENT AGRICULTURE
PREMIUM AWARDED
BUCKEYE
MOWERS - BINDER TWINE
EXHIBITED BY
AULTMAN, MILLER & CO.
AKRON, OHIO.



The Highest Speed with the Least Friction. Lightest Running, Strongest, Most Durable, Efficient and Convenient. As the possessor of these merits the Buckeye has been crowned with the **Grand Prizes** and the **Highest Competitive Honors** attainable in this world, such as have been awarded to no other machine.

Visitors at the World's Fair saw the Buckeye's display of gold prizes won at international expositions and field trials. There was **nothing to match it on the entire Exposition Grounds.** The bronze medal awarded at Chicago has now been added.

THE BUCKEYE MOWER DOES GOOD WORK WHERE COMMON MOWERS FAIL, BECAUSE IT IS THE ONLY MOWER WITH A PERFECT SHEAR CUT.

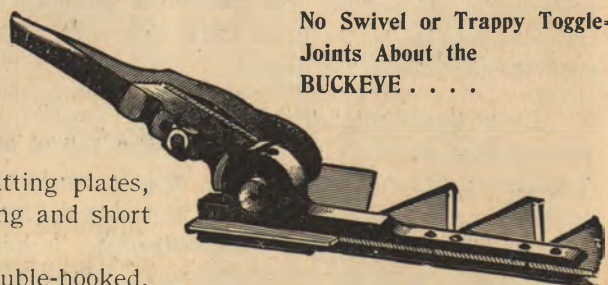


Crank-Wheel with Brass Box.

The double-hooked Pitman holds the Knife down on the cutting edges of the Guards and insures a **perfect shear cut.** The Knives of ball-joint mowers are easily lifted off the cutting plates, entailing dull edges, hard pulling and short life.

The Buckeye Pitman is double-hooked, in one solid piece, of the best steel, and it is **light, simple, indestructible.** Its marked durability is partially due to our long crank-shaft which furnishes a bearing at that most important connection, absolutely proof against all **quiver or jar.** The crank-wheel is protected by a shield.

It should be borne in mind that all medals accompanying awards made at Chicago are bronze, and all are **exactly alike.** There were no competitive awards, the words "first," "best," "better," "superior," etc., being prohibited. Advertisements claiming "highest awards" at Chicago are therefore correct in the sense that none are higher. It is also true that none were lower. No award made at the Chicago World's Fair has any competitive significance whatever.

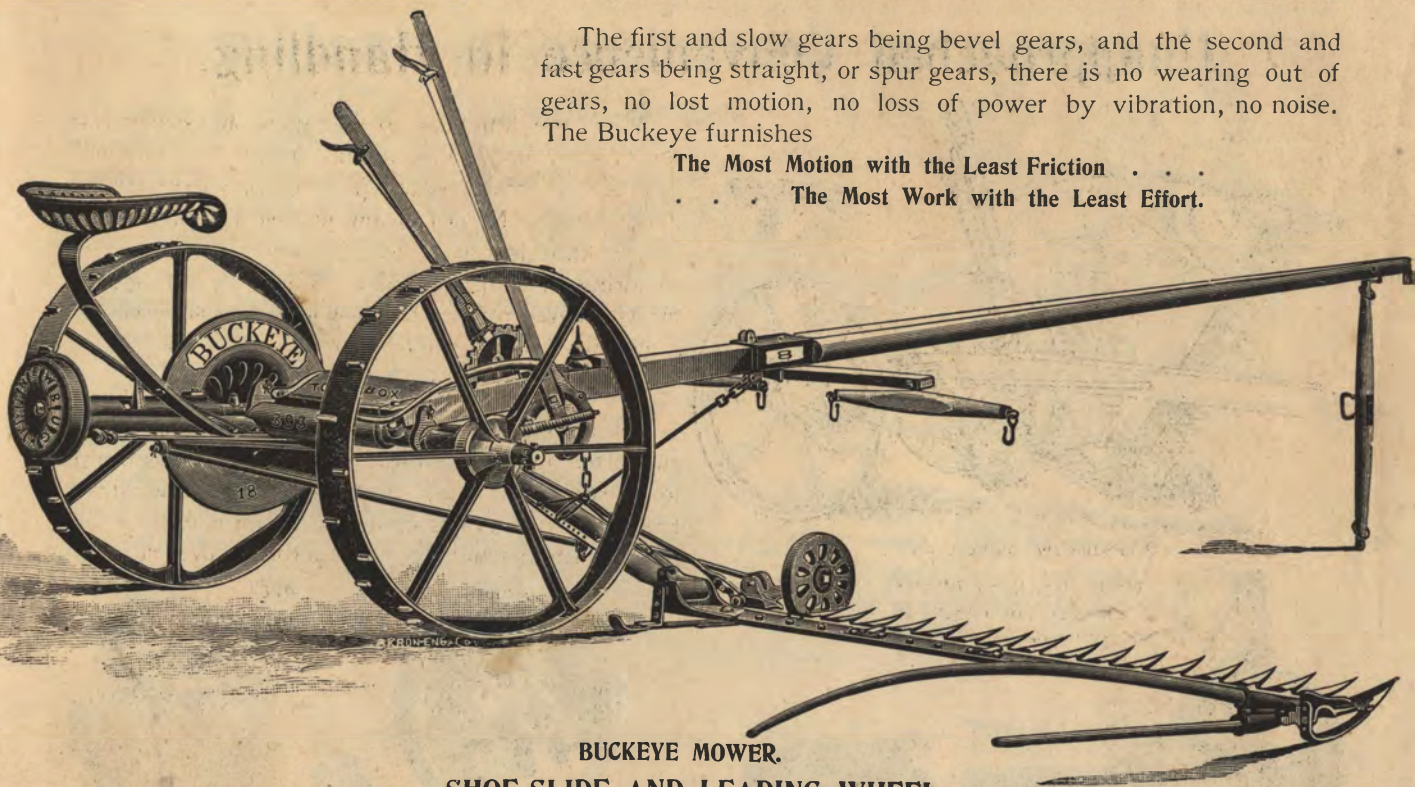


No Swivel or Trappy Toggle-Joints About the
BUCKEYE

The first and slow gears being bevel gears, and the second and fast gears being straight, or spur gears, there is no wearing out of gears, no lost motion, no loss of power by vibration, no noise. The Buckeye furnishes

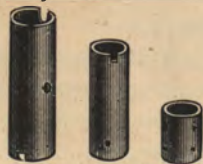
The Most Motion with the Least Friction . . .

. . . The Most Work with the Least Effort.



BUCKEYE MOWER. SHOE-SLIDE AND LEADING WHEEL.

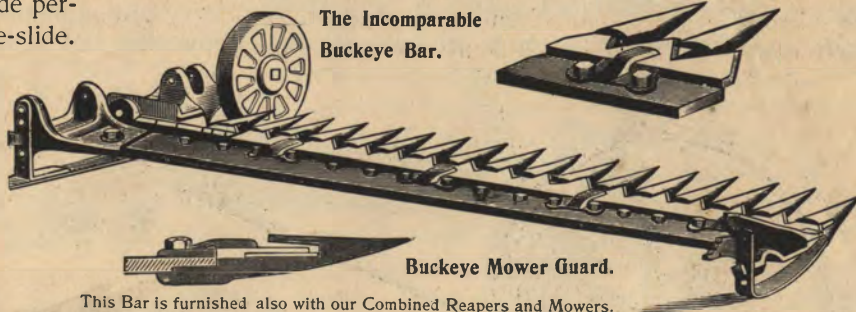
To make **smooth and easy cutting** the cutters should enter the grass on a line parallel with the surface. This is what the **Buckeye** does, and the bar is placed at the height required by the nature of the ground by means of a bolt at the rear end of the **shoe-slide**, as shown in the cut, and by the **leading wheel**. A wheel at the outer shoe is objectionable because it carries the bar much less steadily than a slide. Being necessarily small it increases, rather than diminishes, friction by dropping into small depressions and dancing over obstructions that would not be made perceptible by the runner, or shoe-slide.



Brass Bushings on the Buckeye.

These guarantee long life and smooth, easy running at most important bearings.

The Incomparable
Buckeye Bar.



Buckeye Mower Guard.

This Bar is furnished also with our Combined Reapers and Mowers.

Notice the **adjustable spring** at outer shoe for keeping cutters parallel with the surface in high or low stubble. Also, the **inexpensive friction caps** for keeping knife forward and down upon the cutting edges of guards. Also, the **leading wheel** carrying inner end of bar, another **grand device** invented by Lewis Miller. The **Buckeye cutting apparatus** never had any serious rivals. The **knife-heel** is steel instead of cheap malleable in common use.

The Buckeye . . .

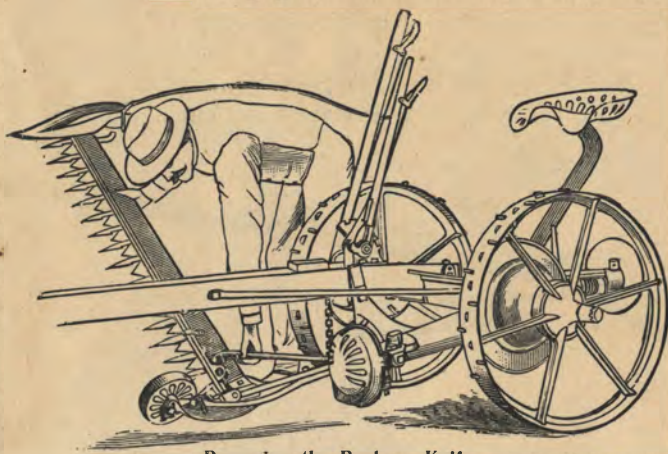
IS KING OF THE MEADOW,

And Like all Kings,
Vindicates Supremacy
BY KNOCK-DOWN FACTS.



See the comparative length of the Buckeye Crank-Shaft with that on other mowers. The **Spur-Shaft** carrying bevel pinion and spur-wheel, has been lengthened on wider cut mowers and has **solid bearing supports** at both ends.

Unapproached Convenience in Handling.



Removing the Buckeye Knife.

LONG BOX, EASY OILING ...

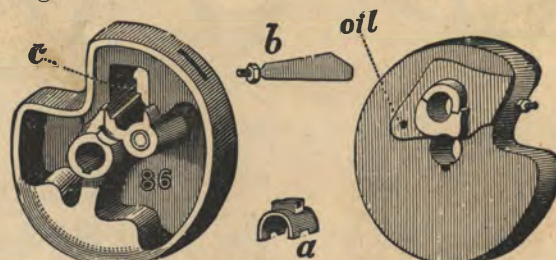
Perfect Adjustability at this
All-Important Bearing.

This Box is used on all sizes of Buckeye Mowers.



ADJUSTABLE BOX FOR CRANK-SHAFT.

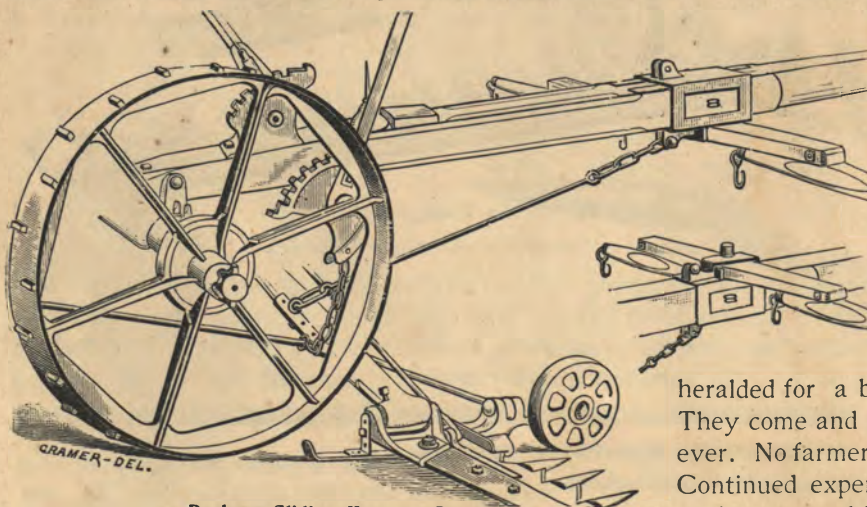
The Buckeye does not wear out. The wearing parts are adjustable and can, if properly oiled, be kept as good as new for a lifetime.



PATENT ADJUSTABLE PITMAN BOX IN CRANK-WHEEL.

The Line of Draft from Cutters to Hames is Direct.

The Hammer Strap slides on the tongue, but is not fastened to the tongue. A simple draft-rod connects the strap to the bar. The weight, more especially in heavy cutting, is taken off the cutter-bar by this under-draft, and thrown upon the large drive-wheels, thus at the same time reducing the draft and furnishing the machine more power. There is no side-draft, and the space for the horse between the pole and the standing grass is wider than on other mowers, insuring a full width cut.

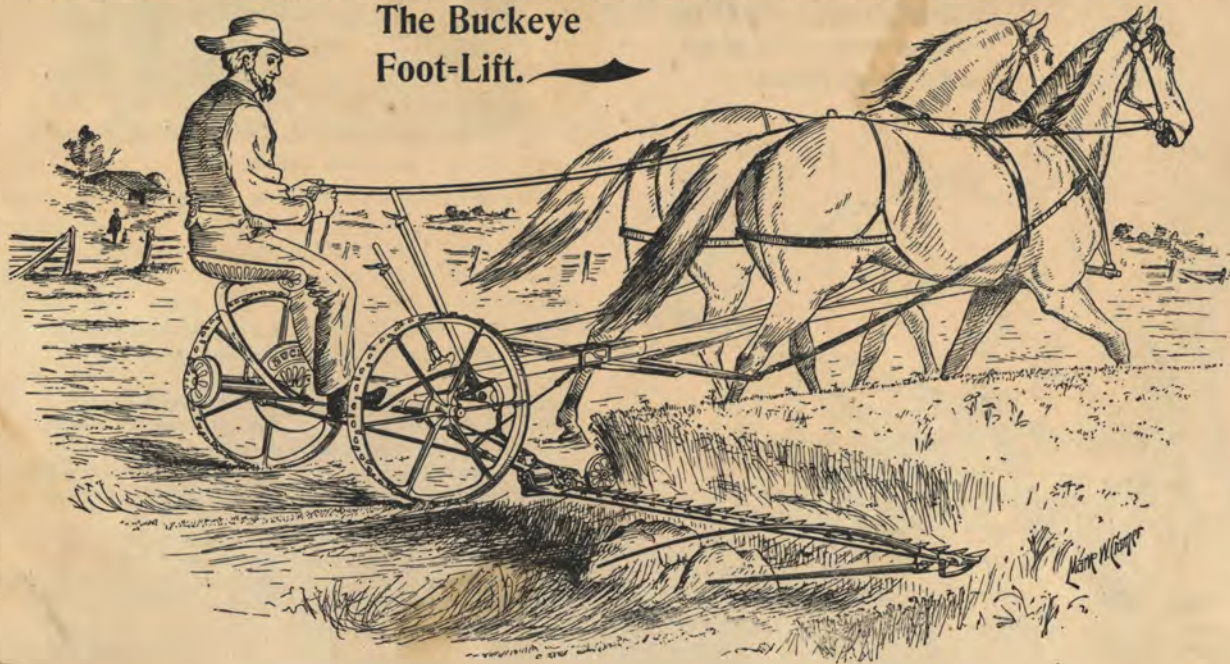


Buckeye Sliding Hammer Strap.

THE BAR IS PULLED---NOT PUSHED.

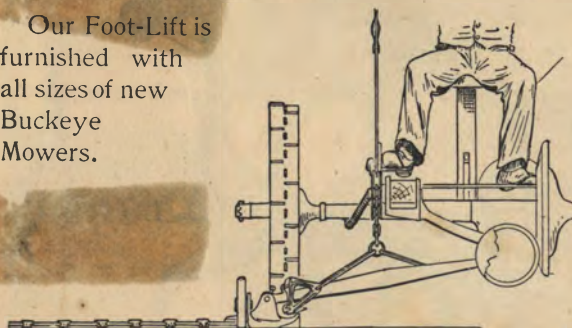
The Buckeye Mower has no more side-draft or neck-weight than a wagon. For twenty years or more various catchy and trappy devices have been contrived and loudly heralded for a brief season and then abandoned. They come and go, while the Buckeye goes on forever. No farmer ever regretted buying the Buckeye. Continued experience only enlarges the field of its usefulness, and its solid reputation as being at the same time the most convenient and durable, and lightest running mower the world has yet seen.

The Buckeye Foot-Lift.

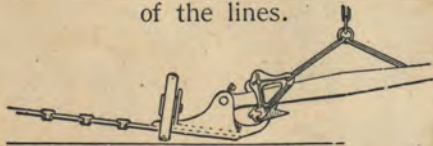


A New Device of the Solid, Old-Time Buckeye Merit.

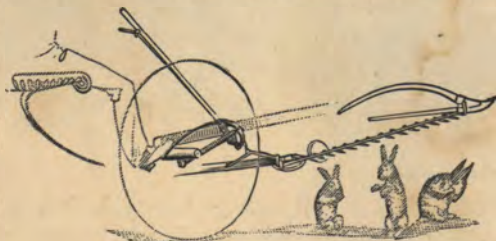
Our Foot-Lift is furnished with all sizes of new Buckeye Mowers.



The driver raises the bar without letting go of the lines.



Raises the bar instantly to its farthest outer, end whether on the level or on shelving ground.



No other foot-lift can do this.

WHEN raising the bar the support given by the spring permits the bar to be handled with entire ease. The spring takes the weight off the bar and distributes it on the drivers, adding to the power. The bar is raised

By the Use of Either the Hand or the Foot.

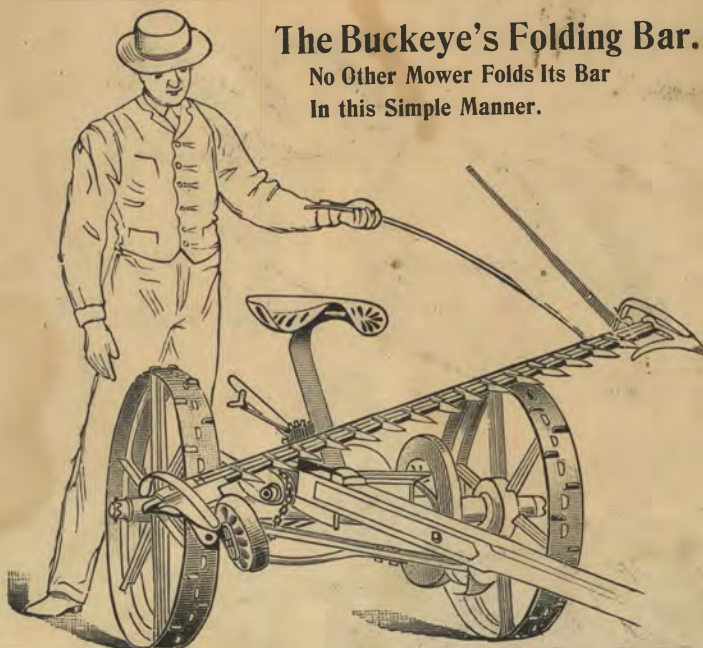
When the mower-bar is to be lifted, a slight pressure upon the foot-lever pulls the small wedge (shown in the cut) instantly into the space between gag and coupling, ordinarily left open to give freedom of motion to the bar. The lever **raises the bar at once to its outer end, no matter at what angle the bar may be cutting.** If at work on a side hill, the bar already being raised at a considerable angle, the lift commences instantly all the same. **Try other mowers in this respect.** Their leverage is always partially, and sometimes wholly, exhausted without doing any raising at all.

The Buckeye is the only Foot-Lift that Instantly Raises the Cutter Bar to the Outer End Whatever May be the Angle of the Bar to the Machine.

The great advantage of this patented device is obvious. It is simplicity itself. It adds neither weight nor complication. In a heavy crop the direct draft is reduced to the minimum, while the steady movement and effective operation of the bar are always perfectly guaranteed.

The Buckeye's Folding Bar.

No Other Mower Folds Its Bar
In this Simple Manner.



ON THE ROAD.

This incomparable method of folding the bar, invented by Lewis Miller in 1856, characterizes the Buckeye the world over. The cutters are folded over onto the tongue in a moment and pinned fast, when all is safe, solid and portable as a cart. Unobstructed view. No catching onto limbs. No upright, dangerous, swaying parts.

WHY IS IT that the Buckeye outsells all mowers?

It is because it is

The Lightest Mower
The Keenest Cutter

The Handiest Machine
The Longest-Lived Mower

Short Pitmans
Short Shafting

The Farmers have pronounced against
Nested, Hard-Running Gears
Stilted, Upright Cutters

And in favor of

The Quick-Acting Foot-Lift
The Long, Brass-Lined Boxes
The Long Shafts
The Double-Hooked Pitman

The Adjustable Bearings
The Simple Gears of
The Light and Graceful Buckeye
The Mower Without a Peer



WIDE CUTTING RANGE OF BUCKEYE MOWERS.

Buckeye Mower sizes range from 3 feet 9 inches to 7 feet. Every mower is made to do the special work required of it. All are equally durable, reliable and efficient. The Buckeye system adapts it to wide cutting in a greater degree than has ever before been attained by any mower whatsoever.