

BUCKEYE



C. Aultman & Co.

Canton, Ohio.

Sold by W. H. HUTCHINSON, Gallipolis, O.

LIST OF BUCKEYE HARVESTING MACHINES

MANUFACTURED BY

C. AULTMAN & Co.

FOR THE HARVEST OF 1887.



No. 1 Buckeye (Standard) Light Mower, 4 ft. 3 in. cut, (not Combinable).

No. 1 Buckeye (Standard) Light Mower, 5 ft. cut, (not Combinable).

No. 4 Buckeye Light Mower, 4 ft. 3 in. cut, (not Combinable).

No. 2 Buckeye Light Mower, 4 ft. 3 in. cut. (Combinable).

No. 2 Buckeye Light Mower, 5 ft. cut, (Combinable).

**No. 2 Buckeye Mower, Combined with Dropper, 2 Finger Bars, cuts 4 ft. 3 inches in Grass,
5 ft. 6 inches in Grain.**

**No. 2 Buckeye Mower, Combined with Table Rake, 2 Finger Bars, cuts 4 ft. 3 inches in Grass,
5 ft. 6 inches in Grain.**

No. 2 Buckeye Independent Dropper, 5 ft. 6 in. cut.

No. 2 Buckeye Independent Table Rake, 5 ft. 6 in. cut.

Canton Reaper.

Buckeye Steel Folding Binder, 5 ft. cut.

Buckeye Steel Folding Binder, 6 ft. cut.

Buckeye Steel Folding Binder, 7 ft. cut.

Buckeye Standard Elevator Binder.

Buckeye Platform Binder, 5 ft. 3 in. cut.

Bundle Carrier for Elevator Binder.

Bundle Carrier for Platform Binder.

Clover and Flax Dump for Elevator Binder.

Rye Attachment for Platform Binder.

Binder Truck, (Suitable for Farm Work).

BUCKEYE HARVESTING MACHINES



MANUFACTURED BY

C. AULTMAN & Co.

OFFICE AND MANUFACTORY,

CANTON, OHIO, U. S. A.

BRANCH OFFICES.

CINCINNATI, O., 97 SYCAMORE ST.

CHICAGO, ILL., 42-44 WEST MONROE ST.

BALTIMORE, MD., 413-415 CONWAY STREET.

CHATTANOOGA, TENN.

MINNEAPOLIS, MINN.

GENERAL AGENCIES.

Freeport, Ill.

Peoria, Ill.

Springfield, Ill.

Galesburg, Ill.

Fargo, Dak.

Mankato, Minn.

New Orleans, La.

Portland, Ore.

Louisville, Ky.

Nashville, Tenn.

North Vernon, Ind.

Columbus, O.

Wheeling, W. Va.

Sidney, O.

Garrettsville, O.

Bowling Green, Ky.

Mechanicsburg, Pa.

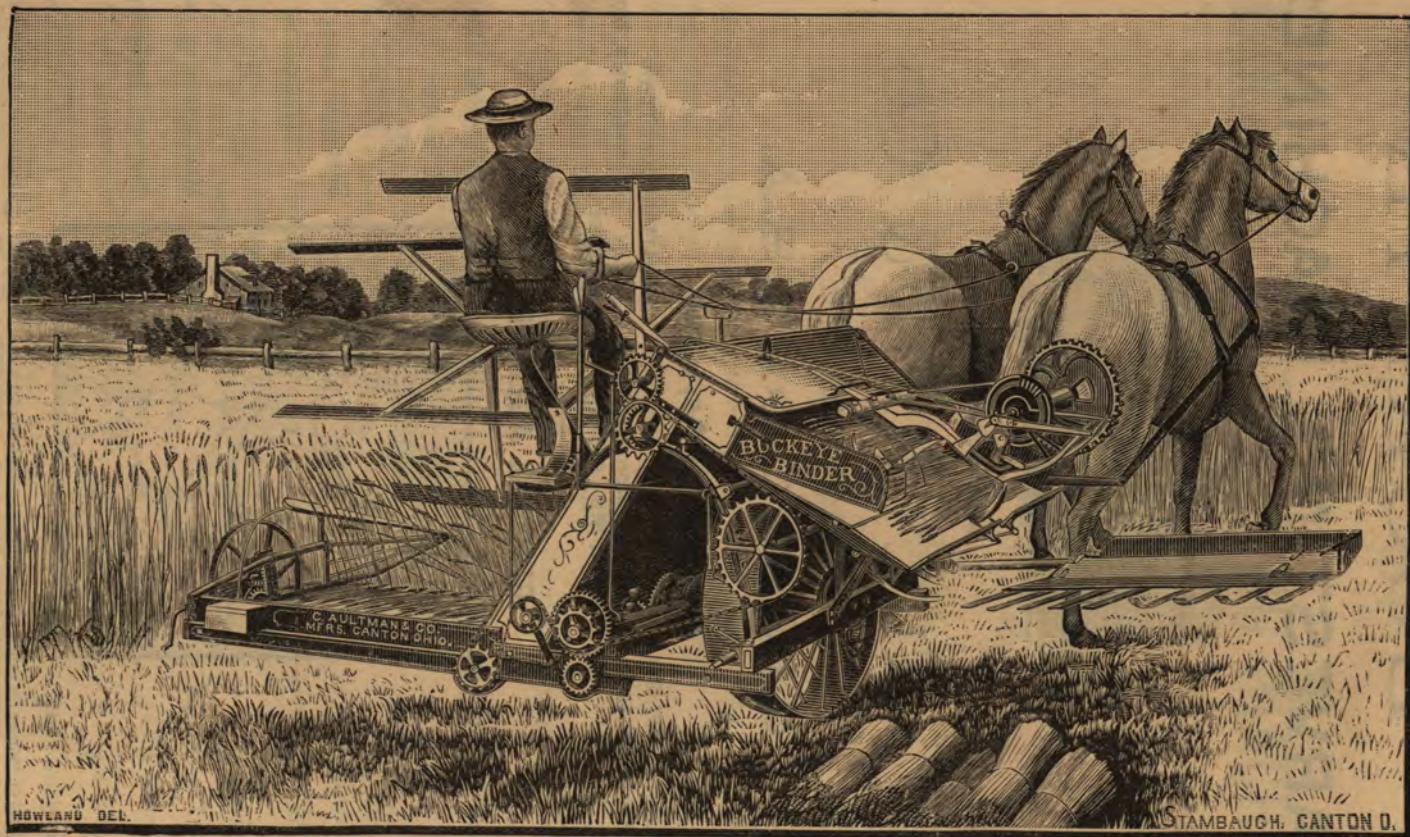
Sydney, New South

Wales.

Trondhjem, Norway.



NOTE—Letters of inquiry for prices of our different machines and terms of sale, and application for agencies and the address of agents, should be addressed to our office nearest to your place of residence, or to the home office at Canton, Ohio. All inquiries will receive prompt and careful attention.



THE BUCKEYE STEEL FOLDING BINDER AT WORK.

THE BUCKEYE STEEL FOLDING BINDER.

IN selecting a binder the prudent farmer will strive to get a machine that is durable, reliable in operation, and simple and convenient to handle and transport. A very important addition to these qualities, and one that is most apt to be overlooked until it is too late, is lightness of draft.

Superior lightness of draft in a binder implies more than would at first be supposed. It indicates that strength and rigidity in material and construction which is the best assurance against friction and the wasteful loss of power. It proves that journals and bearings impinge without twist or strain. It is also the best possible guarantee of durability. It is also a source of great pleasure and satisfaction to the farmer, from the beginning to the end of harvest. In the development of the Buckeye these requirements have been kept steadily in view. We aimed to make the machine which would accomplish the most work with the least expenditure of effort to driver and team. We claim that the Buckeye is the lightest draft binder in the field. Our patrons will verify this claim, and the Buckeye will be found ready to vindicate it as against any and all competing machines.

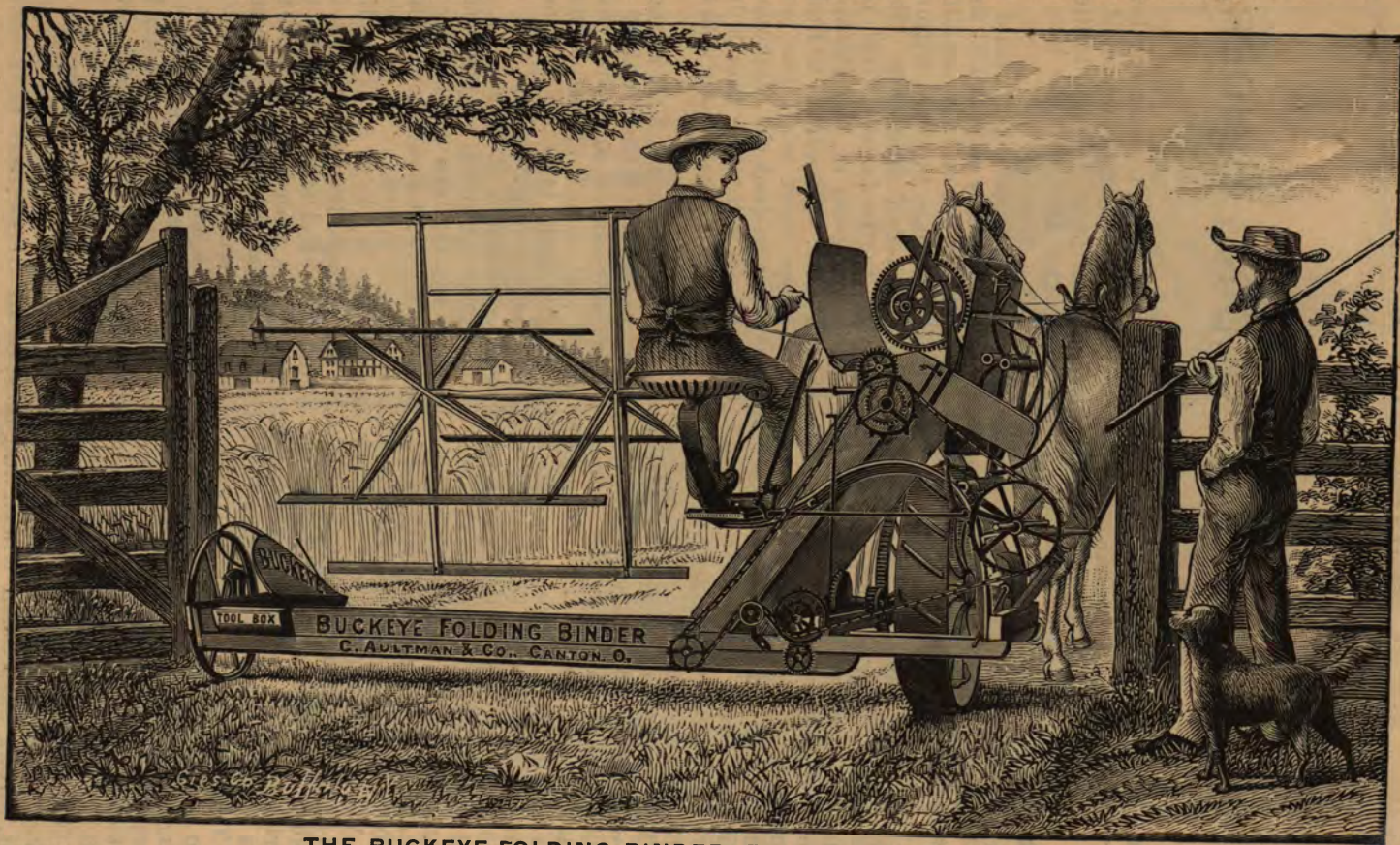
The possession of the Buckeye is the surest guarantee that farmers the world over can have, that their crops, whatever be their nature or condition, will be harvested by the swiftest and easiest methods which the latest and best devices in mechanism can place at their disposition. Such is the reputation of the Buckeye. It has been built up at a cost of untiring vigilance, by men of rare practical genius, and is held by C. AULTMAN & Co. to be their most priceless possession.

In view of this reputation, and of the near approach to perfection already made, all changes in construction, no matter how captivating in appearance and promise, have had to pass the severest possible tests and prove their actual worth beyond any possibility of doubt.

A striking change in the appearance of the Buckeye Steel Folding Binder has resulted from the adoption of Steel Angle Bars in place of the wooden "A" frames, front and rear. This new steel frame renders the interior parts of the machine more accessible. It affords to the working parts a solid support, and adds to its lightness in weight and appearance.

The main gear frame of wood is of such construction and proportions as to insure the stability of the machine against all the strain that can be brought to bear upon it. In this part of the binder, which is subjected to heavy lateral pressure, wood furnishes the greatest resistance with the least weight, thus contributing no inconsiderable factor to the lightness of draft for which the Buckeye is noted.

Our main driving wheel is entirely of iron, having a wide rim to prevent sinking in soft ground. The Buckeye has always furnished this light, strong suspension wheel, and most of its competitors have shown good sense in imitating it in part or in whole.



THE BUCKEYE FOLDING BINDER, FOLDED FOR TRANSPORT.

The gearing is protected from mud and straw. Gear wheel and pinion are carefully adjusted and made to run smoothly and to last. While the pinions on other binders have been a constant source of trouble, it is pleasant to recall the absence of all complaint against the Buckeye on this score. On the contrary, the patrons of our machine never tire complimenting the quiet, easy working and power of the Buckeye in its underpinning parts. We should add that the quiet operation and great durability of our binder at this vital point is partially due to the fact that the pinion shaft is firmly supported at both ends instead of only at one end, as is the case with other binders.

The Buckeye platform merits the particular attention of farmers. The "Z" bar, light but absolutely rigid, is attached to the platform by double iron protection plates. No offset is left at the point of attachment to hinder the sliding motion of the machine over soft ground. The bottom presents a smooth, even surface.

The top canvas is brought down so that it runs on a level with the steel-faced guards. No farmer need be told how important this is in cutting clover seed, flax or short grain of any kind. It is a great advantage in long grain and tangled crops, but in short grain it is indispensable to good work. No other binder has ever had this feature.

The roller bearers of the elevator canvases are adjustable. The Buckeye elevator canvases can not be slugged or choked in any emergency.

The Buckeye furnishes heavier and stronger canvases than any other binder. Try them on the scales. We also provide five straps—other binders have three or four. The Buckeye is made to sell, and also to last, and to do the most and best work with the least draft or strain.

Our reel is moved by a slip-coupling and worm gear direct from the upper elevator roller, an arrangement that will commend itself at the first glance. The clumsy post, chain, and other clap-traps are done away with. One lever moves it up and down and forward and back, so that every head may be brought upon the platform even in the worst tangled grain. It has long bearings, runs steady, and is so light and handy that any boy may handle it.

The outside divider is made of tubing, strongly braced, yet light, and presenting a very neat appearance. Hand cranks enable the operator to raise or lower the machine to suit his crop.

The Automatic Binder maintains its splendid character as the best and surest binder that has ever been produced. It is not a theory or an experiment, but a fact, basing its claims to superiority upon many years of constant use by tens of thousands of farmers. It compresses and binds every sheaf without missing any, making a knot that will hold, and using the least possible amount of twine. It will bind automatically large or small bundles as may be desired, making all sheaves the same size; or the driver may control the size of each sheaf at will.

The Binding Attachment can be moved forward or back, to the place best suited for the band, in an instant.

The Deflector has been improved so that all tendency to clogging, even in the worst tangled straw, is entirely obviated. The Butter has the addition of a butt-squarer which aids in making the neat, square-butted sheaf for which the Buckeye is widely distinguished.

The Binding Attachment folds over on the top of the machine. When

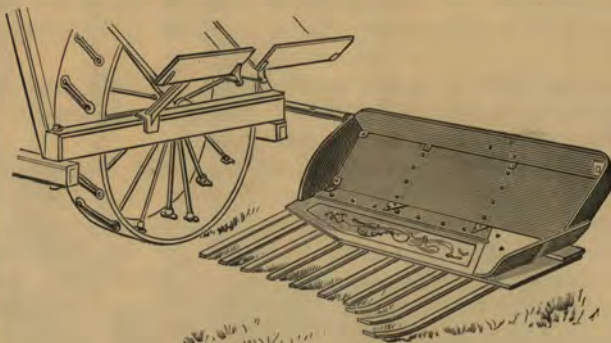
folded it passes through gates, and becomes as portable from field to field as reapers and mowers. The expense and labor incident to the use of trucks is dispensed with. By making the binder to fold, the strength and solidity of the machine are not impaired in the slightest degree.

Only one chain is required, the sickle bar being moved by a front pitman.

Without shrinking the diameter of the drive-wheel we have made the Buckeye Steel Folding Binder one of the lowest of elevator binders. The driver, without rising from his seat, sees every part. He also has at his hand a lever to put his reel where he wants it; a tilting lever to change the height of his stubble, and to take up down grain; a lever to control the bundle-carrier; a lever to move the butter; a lever to shift the place of binder, and a crank to throw in and out of gear. All these changes the driver may make without stopping his horses.

Some binders find it necessary to print a profusion of diagrams illustrating their mechanism. But a machine so widely and well known as the Buckeye can well dispense with this form of cheap advertising. It is a far more prudent and satisfactory way to inspect your neighbor's Buckeye; or, better still, to call upon our agent and see a sample of our new Binder for the coming harvest.

We will only add that we are using the same care and attention to details in the manufacture of our new Binder which have characterized our manufacture of the Buckeye Mower and Reaper for over thirty years. For every part we use the materials best adapted to promote the efficiency and lightness of the machine. As the result we offer the farmer the best built, the lightest draft, and the most durable Binder in the world. Of these claims, the last, durability, depends largely on the other two, in which respects our claims may easily be confirmed by examination of the machine itself, and by its operation in the field.



BUNDLE-CARRIER LET DOWN TO DISCHARGE BUNDLES.

The New Bundle-Carrier furnished with this machine is light, neat and easily operated. It saves the labor of carrying the sheaves together, and, owing to the less handling, and depositing the sheaves on the ground in heaps of from four to six sheaves, instead of singly, it will save considerable grain. The bundle-carrier is extra.

THE BUCKEYE PLATFORM BINDER.

WHILE a considerable number of houses are engaged in the manufacture of elevator binders of various types, the only "down" or "low level" binder in the market is the Buckeye Platform Binder. It is, therefore, naturally to be expected that persons interested in making sales for the exclusive elevator binder houses should make common cause in decrying the Platform Binder as faulty and impractical.

We shall take no space or pains in replying to these charges further than to say that we placed the Buckeye Platform Binder on the market in 1883, and have been compelled every year to add largely to our output of the previous year in order to supply the demand, and then, as a matter of fact, never fully supplied the same. We are now busily engaged in building a large stock of Platform Binders for the coming harvest, and the probability of our supply being inadequate is already so strong that farmers who prefer the Platform Binder will act wisely in placing an order with our agent without any delay.

Farmers wishing to read the experience of those who have used this Binder should write us to that effect, as we do not insert testimonials in our catalogues.

The form of this binder is such as to cause many farmers to prefer it. It is low, light and narrow, having the general appearance of a reaper rather than that of a binder. It passes through gates, is readily handled by two horses, is very easy to operate, and is stored for winter in comparatively small space. The binding mechanism is very nearly the same as that used on the Buckeye Elevator Binder, and we have yet to hear of any farmer asking for anything better than that on either machine.

The deck-trip of the Platform Binder sizes the bundles automatically, so that in good ground and standing grain the driver on the Platform Binder may go ahead all day, giving the machine no attention except to oil as needed and renew the supply of twine. But, in case the condition of the crop varies, he can, without leaving his seat or stopping the machine, control his machine as follows: He can

Move the reel forward or back.

Move the reel up or down.

Move the butter forward or back.

Throw the machine in and out of gear.

Tie bundles of any size at any moment.

Tilt the cutters up or down.

Raise or lower the entire machine—both ends alike, and discharge the bundle-carrier (on the binders provided with a bundle-carrier) at will.

The bottom of platform is attached to the angle-iron Bar by means of protection plates above and below. This Bar is perfectly rigid, and can not get out of line. Malleable Guards, with steel leger plates of the best quality, are used. The upper apron of platform canvas runs on a level with the guards, a very great advantage in handling short straw.



THE BUCKEYE PLATFORM BINDER.

Tedders and Packers carry the grain from the platform canvas to the binder, which forms the bundle and binds it tightly and with absolute certainty. When bound, the bundle is delivered to the rear, past the driving wheel, and quite out of the way of the team on the next round.

The separation and delivery of the bundles is complete in all kinds of grain, a feature which widely distinguishes the Buckeye from several unsuccessful experiments in the platform binder line, and constitutes it the only successful Platform Binder in the market.

The New Vibrating Butter which we use on this machine works most satisfactorily. The hinged tail-board, adjustable for short or long grain, also contributes not a little to the excellent work which the Platform Binder is capable of doing.

The Bundle-Carrier is under the driver's easy control. It was thoroughly tested by last year's harvest, and will do its work to its owner's entire satisfaction. It saves the labor of carrying the sheaves together by hand, and also saves more or less grain that is lost by hand carrying. It is extra, and is only furnished when ordered.

On hilly land the Buckeye Platform Binder will do better work, and is much to be preferred to any binder whatsoever. It is the smallest, lightest and simplest self-binding harvester in existence. In respect to reliability and durability, it is without a superior. One harvest after another, four years in succession, it has proven to the world that it is exactly adapted to the needs of the great majority of farmers; its shape, strength, convenience and capacity rendering it the beau ideal of a perfect Harvester and Binder.



PASSING THROUGH A GATE.

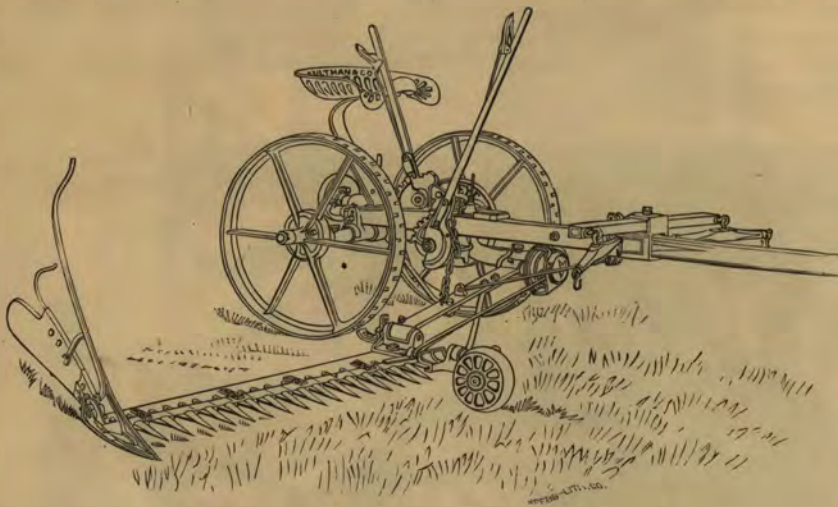
THE BUCKEYE MOWER.

THE BUCKEYE MOWER is mounted on two drive wheels of extra large diameter, and set wider apart than on most of other mowers. On the rim are cast lugs, both transversely and parallel with the rim, affording the machine plenty of tractile power. The wheels are always out of gear when backing, and can be instantly thrown out of gear when moving forward.

The Buckeye has only two gearings; the first, or slow motion being given by bevel gears, and the last, or quick motion, by a spur gearing. The Buckeye will outlast two machines having a contrary arrangement of gearings. All its cog gearings are carried high from the ground, and are well protected from mud and sand.

The main frame is of cast iron, light in weight, being tubular in shape and affording an absolutely rigid support for the shafting and mechanism of the machine. Wrought iron braces guarantee the frame against injury from shocks and strains.

The Double-Jointed Coupling connecting the cutter-bar to the frame allows the bar to adapt itself to all varieties of surfaces, so as to mow closely and evenly over knolls and ridges and through hollows and furrows. Reports from our patrons in all parts of the country show that for rapidity, penetration, keen cutting and good work under all conditions, the Buckeye is superior to all mowers.



THE LIGHTEST AND BEST GRASS CUTTER IN THE WORLD.

The advantages of the Buckeye in respect to portability are acknowledged the world over. It is the only Mower in which the cutting apparatus can be folded completely over so as to lie securely in a horizontal position upon the frame of the machine.

The height of the cut is regulated by an adjustable steel spring at the outer shoe, and by an adjustable wheel at the inner shoe. The bar can be put where desired, and kept parallel with the surface of the ground. A tilting lever enables the driver, without stopping his horses, to throw the points of the guard down to take up lodged grass, or to raise them so as to pass easily over bogs and stony ground. A lever also enables the driver to raise the entire bar so as to pass obstructions.

The pitman bearings, both at crank-shaft and knife-heel, are the perfection of

simplicity and durability. All boxes subject to wear are either adjustable, or provided with brass bushings which are easily renewable.

The cutting parts are the most important on a mower, and no part of any harvesting machine receives more scrupulous care, both in material and construction, than the cutting apparatus of the Buckeye Mower. So accurate are all the adjustments that the operation of the machine is almost noiseless. The guards are steel-faced, with cutting surface concaved, making a shear cut, adding greatly to the speed, light draft and power of the mower, and enabling it to cut through matted, dead and bottom grass where other mowers would choke up and fail.

An adjustable seat spring enables the driver, whatever his weight may be, to bring the machine to a perfect balance; and there is no side draft whatever. The draft is very light—it is light even for one horse, and the Buckeye is often furnished as a one-horse mower.



THE BUCKEYE ON THE ROAD.

The draft on the double-trees is against a hammer-strap, which may be bolted to the tongue, though it usually slides upon the tongue. This sliding hammer-strap is connected with the coupling bar by a draft-rod. The draft is by the bar instead of the frame. This improvement has met with great favor. The double-trees can be placed above or below the tongue. As a mower the Buckeye is not only a machine of unexcelled durability, unapproachable in lightness of draft, but it is the neatest looking and by far the safest and most convenient mowing machine in existence.

Wrought-Iron Steel-Faced Guards are used on the Buckeye. They are made of the best quality of wrought iron, inlaid with steel, with concave cutting surface, greatly reducing the friction of the knife and the draft of the machine; while that portion of the guard coming in contact with the edge of the knife, being well-tempered steel, forms a perfect shear-cut and renders clogging impossible. By the use of improved machinery, these guards are produced with perfect uniformity and regularity of finish.



The cutting surfaces of the guards are planed smoothly on all completed finger-bars for Buckeye Binders, Reapers and Mowers. Every rivet, roughness and inequality are removed. This is done by special machinery possessed by no other house, and is an extra precaution in the interest of the purchaser that is taken by no other manufactory.



THE BUCKEYE DROPPER.

THE BUCKEYE DROPPER.

THE BUCKEYE DROPPER has two cutter-bars, one for reaping and one for mowing. The change from mower to reaper, or vice versa, is made in a few minutes. It is evenly balanced, and is without neck weight or side draft. As a reaper for small grain crops, or on hilly land, no substitute has ever been found to equal the Buckeye Dropper. As a mower it has all those advantages of portability, keen cutting and light draft which have made the Buckeye a household word in every land.

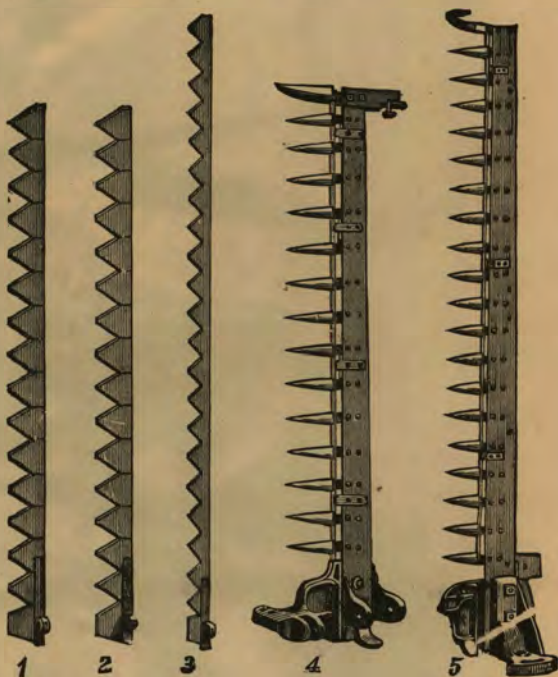
With farmers who do not raise very large crops the Buckeye Dropper is justly a great favorite, because it is the simplest form of reaper; it is easiest to handle; its work is equal to the best, and it is the least expensive.

OUR COMBINED MACHINES.

We print the accompanying cuts for the purpose of showing, at a glance, the completeness of the cutting apparatus, which is furnished with each combined Buckeye Reaper and Mower, viz.: Nos. 1 and 2, Mowing Knives; No. 3, Reaping Sickle; No. 4, Finger-Bar for Mowing; and No. 5, Finger-Bar for Reaping, besides extra sections and guard, with rivets for repairs.

We have not hitherto made mention of an important stride in the progress of the mower and reaper industry, which was first made by the inventors and manufacturers of the Buckeye, viz., the combination in one machine of a good mower and an equally good reaper.

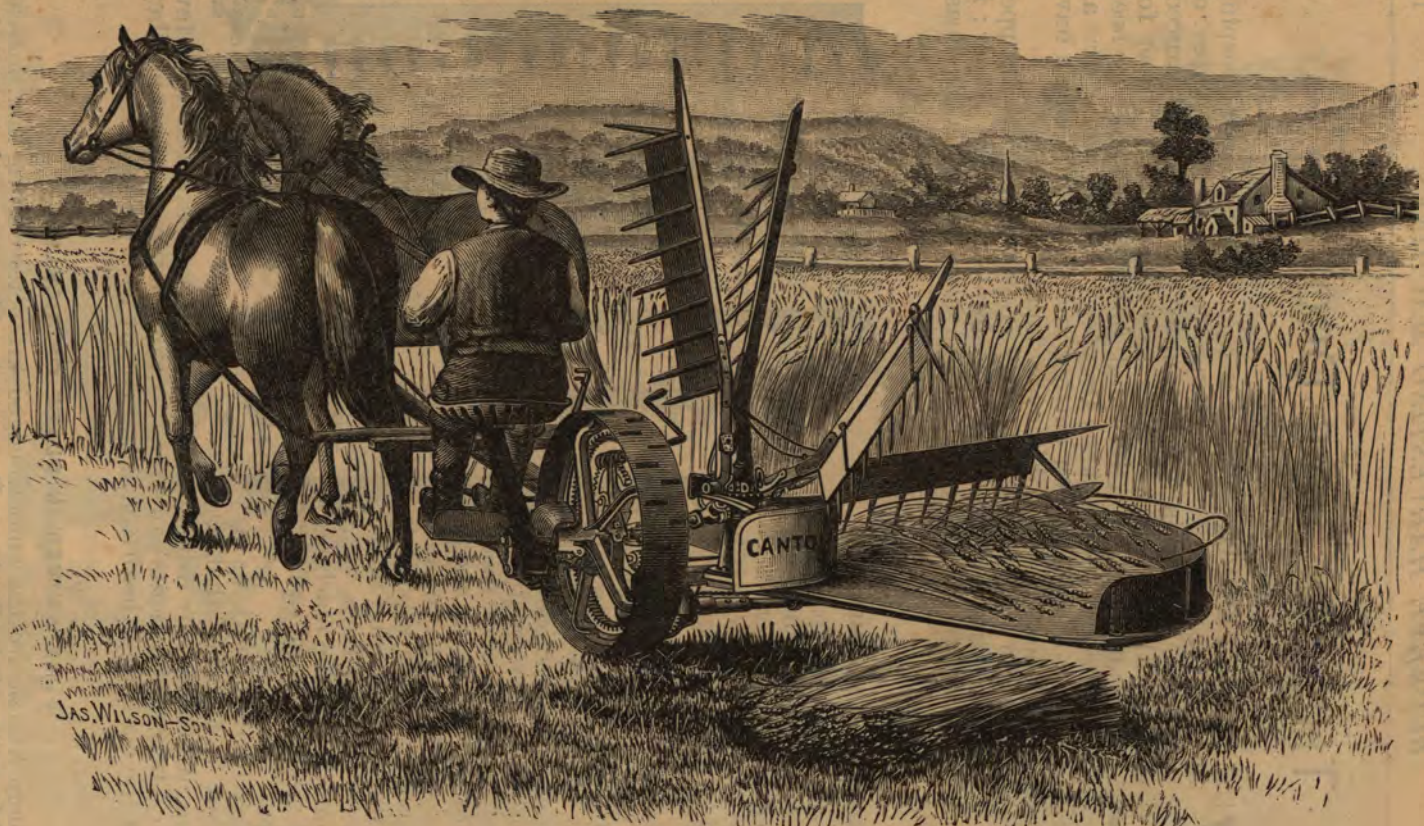
Each machine is built as a mower, but is so made that a self-raking attachment or dropping attachment can be added in a few minutes. These attachments can be set to work automatically, and they are under the control of the driver as completely as the mower itself.



FLAX KNIVES IN PLACE OF SICKLES.

Farmers who desire the smooth-edged knife for cutting flax, instead of a sickle, with their Buckeye Reaper, should say so when ordering machines.

(11)



JAS. WILSON - SON.

THE CANTON REAPER.

THE CANTON REAPER.



THE CANTON REAPER, which is now being manufactured by C. Aultman & Co., is a new machine, which presents a very remarkable combination of strength and durability with lightness and facility in handling. It is a single-wheeled machine, and, being designed only for harvesting grain, is as simple a machine as can be made, and is undeniably the lightest-running and most durable and convenient single-wheeled reaper in the market.

The cutters are in front, and the seat in the rear. The balance is perfect, and there is neither side draft nor weight on the horses' necks. The drive-wheel and grain-wheel are in line, so that there is no trouble in backing or turning. The gears are well protected. Both ends of the platform are raised or lowered alike to any desired height. Tilting, to take up down-grain, is done with the greatest ease. None of these operations require a stoppage of the machine. Gavels are delivered at regular intervals, automatically, or may be sized by the driver's foot, at will.

Its light draft, still running, ease of handling, safety, strength and handsome appearance will make it a favorite wherever such a machine is preferred. It is capable of long service in heavy crops, and is, in all respects, the most perfect reaper of its kind ever put upon the market.

MOWER KNIVES, SICKLES AND SECTIONS.

These very important parts are also made in Canton expressly for the Buckeye. The conduct and reputation of our machines necessarily depend largely upon the quality of their cutting parts. Hence extraordinary precaution is taken in regard to the quality of the steel used, and the preparation and inspection of these parts, both bars and sections. It will save much vexation and expense in the end to get sections, when any are required, from us or our agents, and thus make sure of having the very best that can be made.

DIRECTIONS.

In ordering Machines or Repairs be particular to mention the following:

1st. Town, County and State to which they are to be shipped, and by what route.

2d. Whether by Freight or Express.

3d. Name, Number and Style of Machine for which repairs are wanted. Name and Number of the part wanted, and in what year the machine was made or purchased.

4th. If for a Reaper or Binder, say whether sickle or flax knife is wanted.

5th. Your Post Office address.

Repairs for Machines will be kept by our Agents; also at our Branch Houses in Cincinnati, Baltimore, Chattanooga, Minneapolis, Chicago, etc.

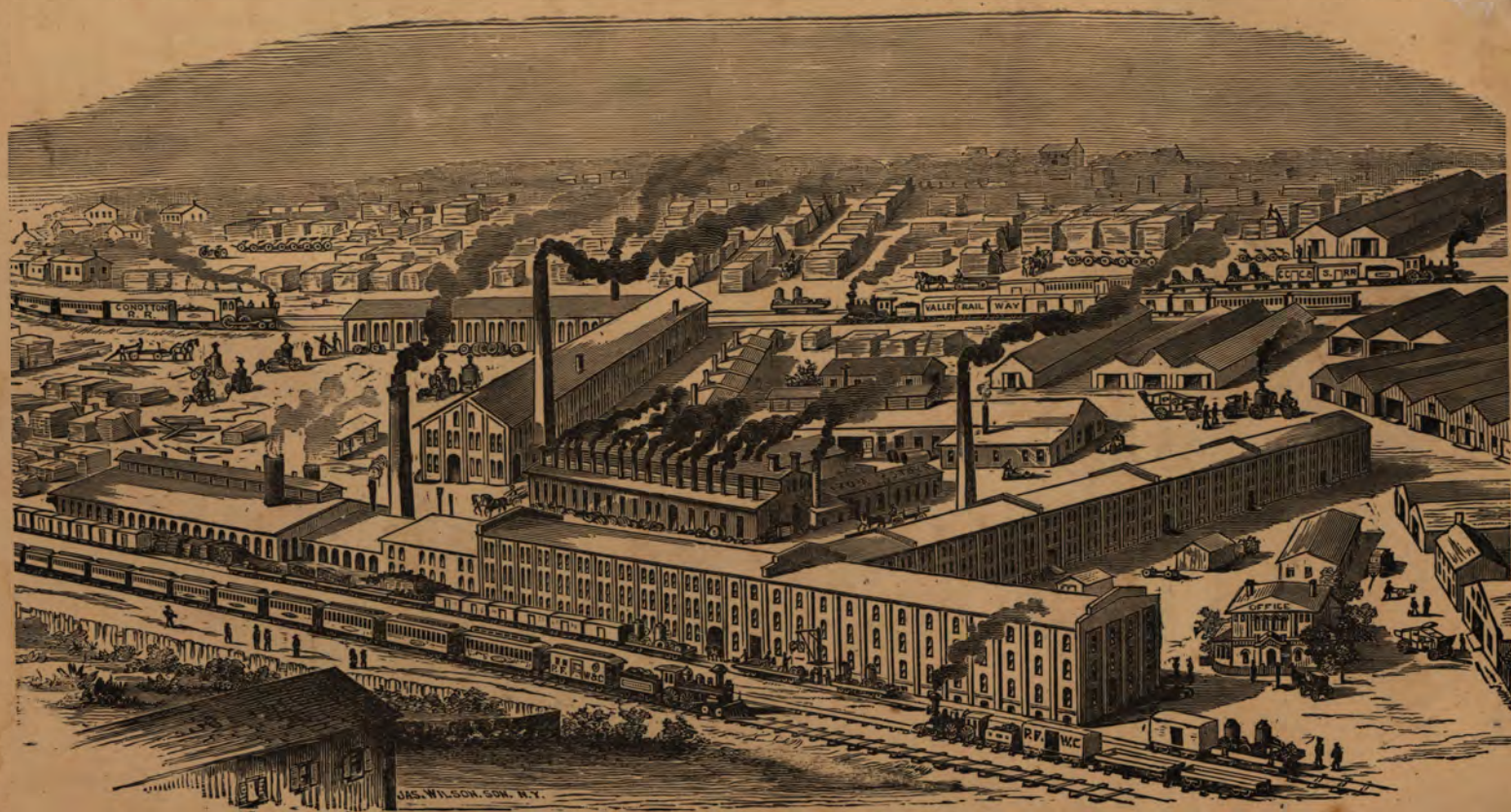
THE BUCKEYE TABLE RAKE.



THE BUCKEYE TABLE RAKE.

THE TABLE RAKE is an Automatic Side-delivery Reaper, and is built and sold either as a Single Reaper or in combination with the Buckeye Mower. It consists of an ordinary quadrant platform, with a fork on the end of a jointed arm, which sweeps around a vertical axis in the centre of the table, so as to allow the fork to follow closely the surface of the platform. The fork, starting into the grain close to the inside shoe, sweeps across the platform in a line parallel to the sickle, gathering and compressing the grain against the outside or circle board, and delivering the gavel in a compact form for binding, and entirely out of the way of the machine on its next round. The fork is entirely independent of the reel, and is so arranged as to work automatically, delivering a bundle every thirteen feet. It is always under the control of the driver, and can be stopped or started at any point by means of a lever worked by the driver's foot. In thin grain, and at the corners of the field, the bundles can be carried as far as desired before dropping.

The simplicity, the great durability, ease of control and splendid work done by the Buckeye Table Rake, are so widely recognized as to render it unnecessary to dwell upon them here. No reaper has ever succeeded in making so neat a sheaf, and no equal to it in taking up down-grain has ever been produced. The Table Rake and Buckeye Mower Combined has long been, and still continues to be, the favorite machine in some of the richest farming districts of the Union.



THE WORKS OF C. AULTMAN & CO.



RAND, McNALLY & Co., PRINTERS, CHICAGO.

