

OFFICE
165 Greenwich St
NEW YORK

ADRIANCE, PLATT & CO.

WORKS

POUGHKEEPSIE,
N.Y.



Adriance
Harvesting
Machinery.

When the day's work
is done.

MYER FRIENDLY, Agent

104 & 106 State St., - - - ELMIRA, N.Y.

ADRIANCE, PLATT & Co.



HARVESTING MACHINERY.

Works: POUGHKEEPSIE, N. Y., U. S. A.

General Office: NEW YORK CITY.

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WALTER CARSON & SONS,
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J. & H. KEYWORTH & CO.,
LIVERPOOL, ENGLAND.

Office of ADRIANCE, PLATT & Co., NEW-YORK, January 1st, 1892.

We offer our sincere thanks to the large army of our farming friends who, by their encouragement and patronage, have so liberally sustained us in our efforts to introduce and maintain the highest standard of excellence in the manufacture of Harvesting Machinery.

It is the reproach of some lines of American manufacture that a desire to cheapen the price has induced a great depreciation in quality. Manufacturers who pursue this course claim that it is easier to sell a **cheap** article than a **good** one. We have conducted our business on the opposite principle, having faith in the intelligence of the farmers, and believing that their good sense would enable them to discriminate between a thoroughly good and a cheaply inferior machine, the latter always proving to be much the dearer in the long run.

Our conviction that the farmer was entitled to have the best Harvesting Machinery that could be built, and our determination to supply him with it, has met with such an overwhelming indorsement as to place the correctness of our views beyond question.

We leave our competitors, who believe that anything is good enough for the farmer, to exhaust their ingenuity in devising means to cheapen the cost of their machines. We shall continue to seek his patronage by offering him machines which are the most perfect in principle, excellent in material and superior in workmanship.

Our Adriance Buckeye and Adriance Mowers and Reapers, with their perfections and improvements, have held their position at the head, while our latest success, the Adriance Rear Discharge Binder, has created a furor unequalled in the history of the trade. The very heavy grain crops of 1891 have tested its merits to the utmost, and the immense superiority of this light two-horse marvel over the old type of heavy cumbersome elevator Binders in handling the heaviest and worst conditioned grain has astounded the farmers in this country and in Europe. The record made by the Adriance Binder on its first introduction into Great Britain and the continent of Europe is unparalleled.

Its great novelty, and the admirable manner in which it stood the severest tests, so won the hearts of the foreigners that we could not keep up with their orders.

The little Adriance Binder carried off the highly coveted honors of

**The Silver Medal of the Royal Agricultural Society of England,
The Grand Silver Medal of the German Agricultural Society at Berlin,
The Diploma of Honor of the Agricultural Society of Rhenish Prussia.**

At the Great Field Trial held on July 11, 1891, at Mantes, near Paris, France, .

in competition with best-known English, French and American Binders, the Adriance Binder was awarded

The First Prize Grand Gold Medal.

ADRIANCE, PLATT & CO.

MOWERS & HARVESTERS

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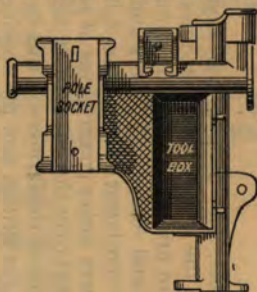
ADRIANCE PLATT & CO.



ADRIANCE "E" MOWER AT WORK.

Description of Adriance, Platt & Co's Mowers.

Our
Solid Tubular Frame,
Dispensing with Bolts.
The Strongest in
use on any Mower.



All Bearings
Bored Simultaneously
by special machinery.
Absolutely in
Line.

Finest Brass Composition Bushings in Quick-motion Bearings.

The Tool-box and Foot-plate cast in the angle of the shaft-tubes brace and solidify the Frame, and make a roomy place for the feet of the driver, adding much to his comfort and safety.

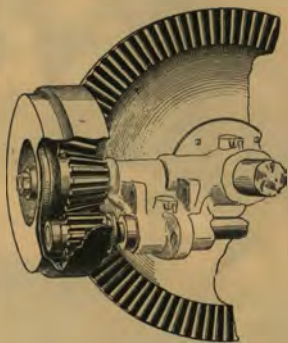
Other mowers lack this bracing in the Frame angle entirely or have it in an imperfect form.

Frame and shafting carried level with
the ground.

MOWERS & HARVESTERS

ADRIANCE PLATT & CO.

Our Two Methods of Gearing.



Our Original System of Gearing from Axle to which we gave the name of "**Buckeye**," as we continue to use it in our **A, B, C Mowers**, has a **better record** for a longer time, than any other.



Our Encased Gear. Best proportions; Long Bearings; Large Pinions; Large, well-formed cogs; **Driving Gear alone throws out of mesh**; Quick clutching; Non-wearing shifter.

Gearing behind the Axle and at the left side of machine.

High above the ground, out of the way of Driver.

All Shafting is steel and perfectly covered.

Best balance, Long Crank-Shaft, Long Pitman.

Power from the driving-wheels is conveyed to the gearing by **Ratchet Wheels** keyed to the Axle. **Four Pawls** are so adjusted that one of them **must instantly move the gearing and cutters**. Pawls and Springs always in sight, and **all can be thrown out of gear** for traveling on the road.

A Powerful Cutter.

THE Power which operates the Scythe is **all derived from the Driving Wheels**. In our Mowers the **whole weight** of the driver, frame, gearing, pole, etc., is carried on the driving wheels and the **greatest power obtained**.

As the **power** required to vibrate the scythe comes from the **Driving wheels** the **resistance to be overcome is at the point of their impact with the ground**. The resistance is overcome and power obtained by rolling the Drive Wheel, which **must be done through the axle**.

We draw **directly** from the axle, leaving the **cutting apparatus entirely independent and free to follow the ground**. Under drafts to cutting apparatus or drooping frames **all reach the axle finally**. Attached indirectly they **impair the free action of the cutting apparatus, reduce the weight on the Drive wheels, and consequently the power, and bring additional strain and wear on the joints which attach the Finger-bar**.

MOWERS & HARVESTERS

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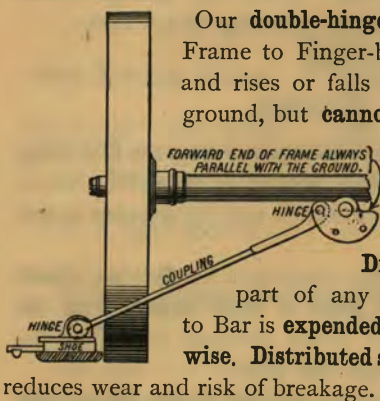
ADRIANCE BUCKEYE "B" MOWER AT WORK.

Our Attachment of Cutting Apparatus.

The only perfect method. Always in line.

Perfectly Pliant as regards up and down motion in following the surface.

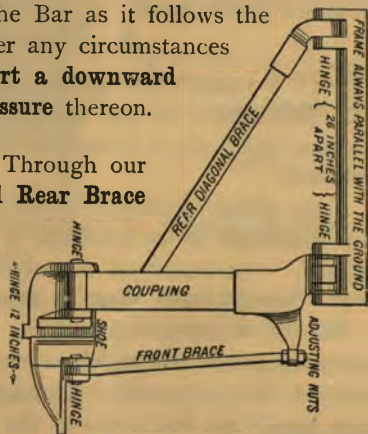
Perfectly Firm to resist backward strain from work or obstruction.



Our **double-hinged coupling**, drooping **sidewise** from Frame to Finger-bar, is always **free to play up or down**, and rises or falls with the Bar as it follows the ground, but **cannot** under any circumstances exert a **downward pressure** thereon.

Through our **Diagonal Rear Brace** part of any shock to Bar is **expended side-wise**. Distributed strain reduces wear and risk of breakage.

Our extended and accurately fitted hinge joints give firm resistance against sagging back of Bar.



Adjusting nuts to compensate for possible wear on hinges.

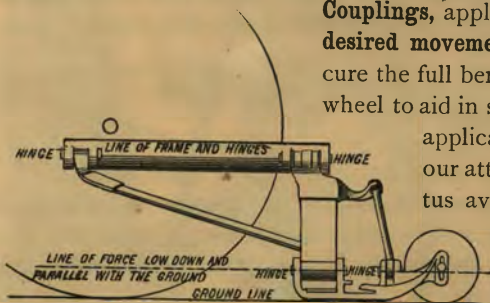
MOWERS & HARVESTERS

ADRIANCE PLATT & CO.

Self-Adapting Finger-Bar.

TO overcome any resistance by the **least amount of force**, that force **must be applied in the proper line**.

To overcome the inertia of the Finger-bar, or its resistance to forward movement over the ground, we, through our **double-hinged, side-drooping Couplings**, apply the force **directly in line of desired movement**, and so **low down** as to secure the full benefit of the curve of the leading wheel to aid in surmounting obstacles. By this

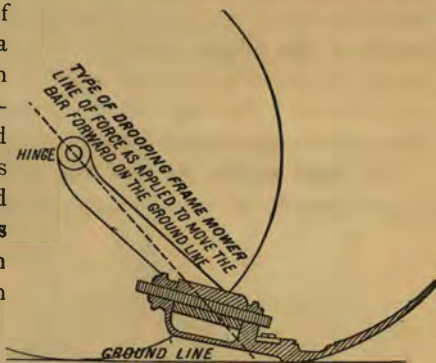


application of the force, and having by our attachment of the cutting apparatus avoided any downward pressure thereon, our Finger-bar is carried with the greatest ease over obstructions and

through furrows; **automatically adapting itself** to all variations of the surface over which it passes, **independent** of the motion which may be given the truck of the machine by the roughness or undulations of the ground.

Our perfectly independent action for the Finger-bar can not be attained in Mowers with **drooping frames or push bars hinged about the Axle**.

In this illustration of that type of Mower it is evident that there is a downward pressure on the Bar, which will be **increased** by added resistance or obstruction to its forward movement. Such resistance tends also to **lift the Drive Wheels** and **reduce power for cutting when it is most required**. A leading wheel on such mowers may lessen the friction on the ground, but can not lessen the downward pressure.



To partially overcome this **defect in principle**, such Mowers usually have a so-called "**direct draft**" or "**under draft**" to bar or couplings, or low end of the drooping frame **to lift the Bar or Frame**.

They lift more on up-grade than on level, more on level than on down-grade, causing **irregularity in the action of the cutting apparatus and the cutting power of the mower**, and placing on the pole and horses' necks more or less of the weight taken off the Bar.

Every Section Available for Cutting.

THE off horse, properly driven, closely follows the edge of the standing grass in the cleared track. We locate the inside shoe and lead wheel

MOWERS & HARVESTERS

ADRIANCE PLATT & CO.

in such relation to the pole and track of the horse as to properly balance the machine and avoid side draft, and also **secure a cut the full length of the bar**, and the benefit in cutting of every section of the scythe.

Perfect Shear Cut.

THE Malleable Iron, Steel Plate, Guard Finger which we were the **first to introduce** and which we have **used since 1859**, gives a firm shoulder bearing against the planed edge of the Bar, and, braced by its side wing (see cut below also), is held securely by one carefully fitted bolt, and is easily replaced.

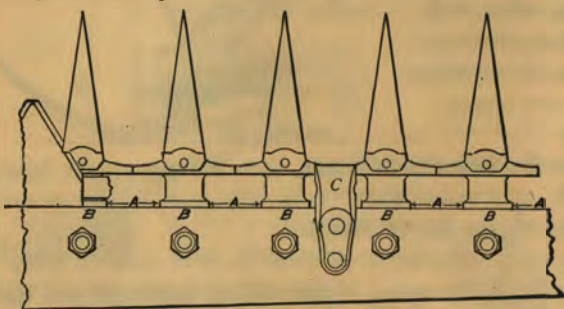


We use the **three-inch scythe section**; its almost **universal adoption** after years of experiment disposes of all claims for advantage in other sizes.

Our sections are made at our own factory from selected steel, and **tempered in oil by a peculiar method**. Each is stamped A. P. & Co., and they are **uniform and reliable**. Sections made by others should not be used on our Mowers.

As our scythe passes through the guard finger the **section rests flat upon**, and is supported at the front entirely by, the **tempered ledger plate**. Extending back of the scythe rod it receives support at the same level on a shoulder B (see cut) of the guard finger, **securing a perfect shear cut for the entire length of the ledger plate**. It is held down to its work by a malleable arched button or cap riveted to the finger-bar and bearing on the section well forward. **This cap can be adjusted** as wear occurs, without removing. The arch is kept clear of trash by projecting rivet heads on the scythe.

The **light scythe rod has free play** through a channel in the guard fingers, bearing on its back edge only, against the shoulder B, supporting the



section. **Clearance** for escape of gum and grit is provided for, both **under the scythe rod** and at "A" (see cut), **between the fingers**. This clearance space is **very essential** not only in preventing

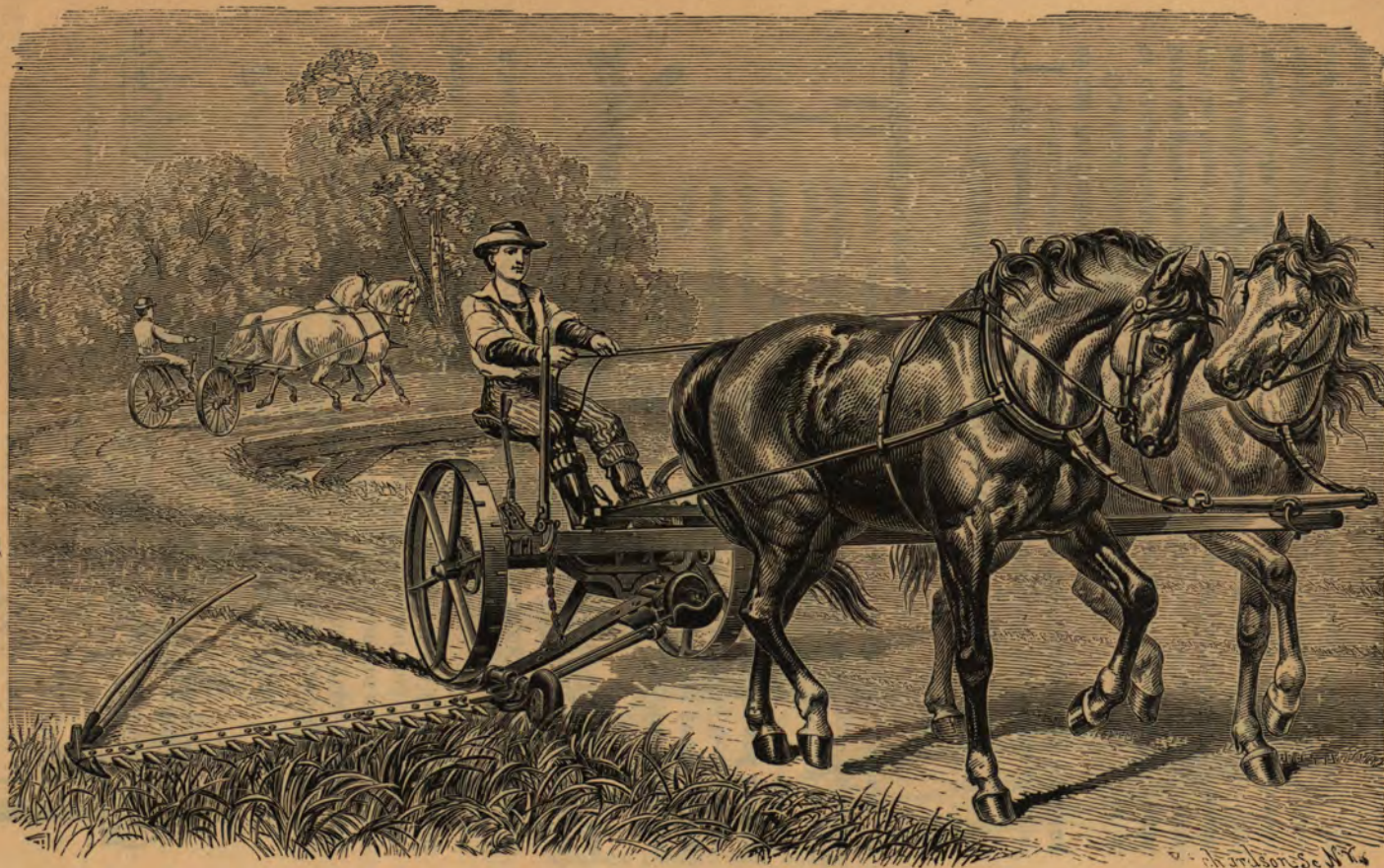
clogging, but it avoids friction and wear such as occurs with a scythe having bearings the whole length, or on hardened plates.

The scythe head has broad bearings in the inside shoe both above and below the eye in which Pitman connects.

The farmer can always line up his scythe by inserting new fingers at necessary points.

MOWERS & HARVESTERS

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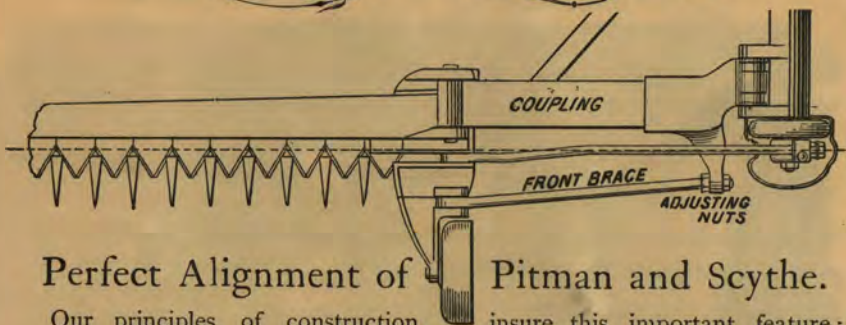


MOWERS & HARVESTERS

PL 78.

ADRIANCE, PLATT & CO'S MOWERS.

ADRIANCE PLATT & CO.

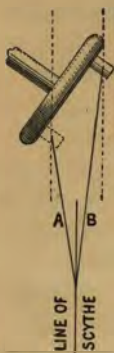


Perfect Alignment of Pitman and Scythe.

Our principles of construction insure this important feature; our **Crank-head** always **perpendicular** to the plane of the **scythe**, long hinges, and **adjusting nuts on front brace**, enable us to maintain this alignment during the whole life of the mower. It is shown by dotted line in cut above.

Tilting the bar does not affect our perfect line, and **there is no strain or twist**, as all parts move in unison. We secure also

Absolute protection to our Pitman by strong Front Brace.



Perfect alignment is impossible on a drooping frame Mower on which the Crank-head is at an angle to the plane of the Scythe. See illustration at left.

The lower end of the Pitman moves in the line of Scythe while the end attached to the crank-head **must twice during each revolution** of the head move over the space between the dotted lines in the illustration, and **line of Scythe and Pitman must be constantly changing**. Lines A and B in the cut represent the Pitman at different parts of the revolution, and neither is in line with the Scythe. In such mowers there must necessarily be severe twist and strain on the parts, or

lost motion and loose or ball joints.

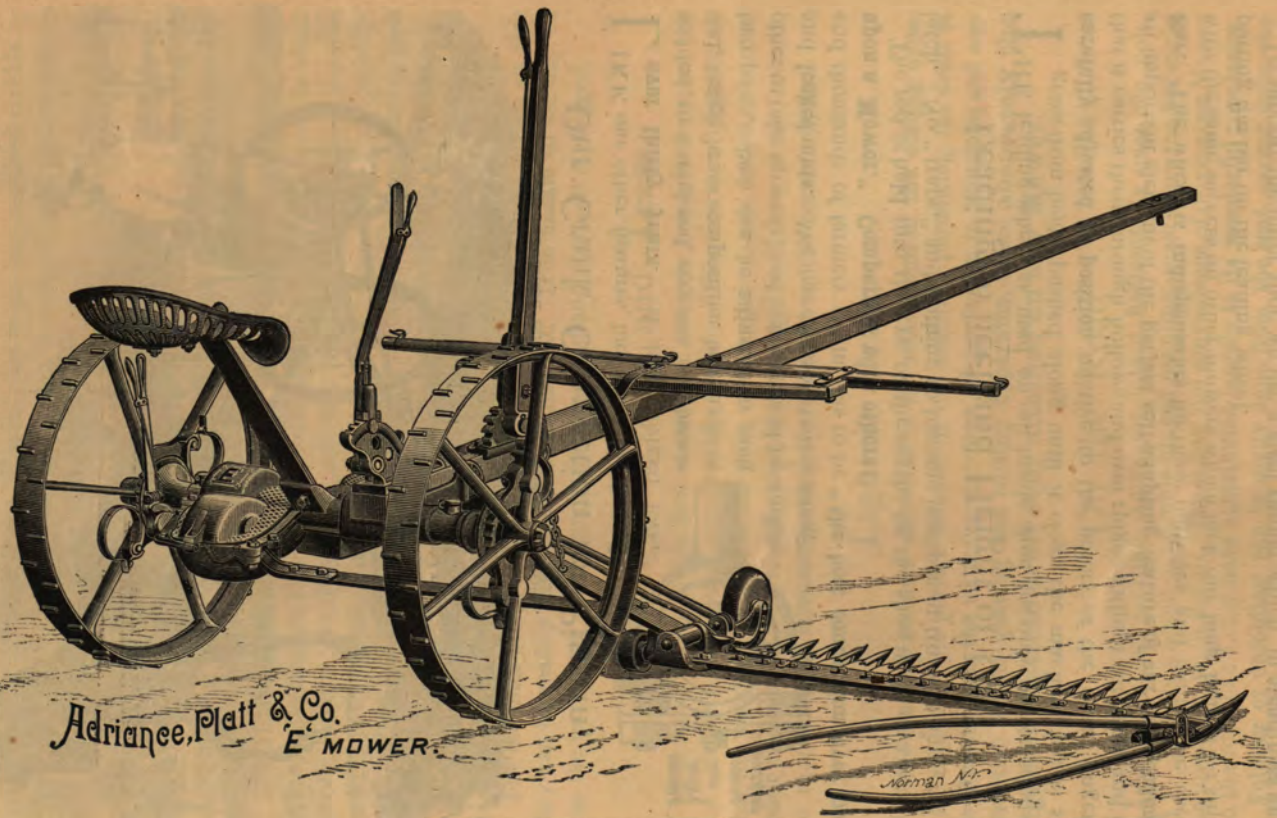
Crank-Head and Connecting-Rod.

THE direction of rotation of the Crank-head and the length of Connecting-rod have an **important relation to the wearing and breaking of the Scythe-head**.

Our long connecting-rod reduces the angle of action; and the direction of crank revolution makes the pitman, when working at the **greatest angle**, **tend to press the scythe down** to the cutting edges and more solid bearings. On the return stroke, the rod being at the bottom of Crank-head, the **angularity is reduced**, and the lifting tendency on the scythe and pressure and wear on the upper bearings is far less than in mowers where the return stroke is made with the crank going over the highest point. A light scythe-head on our mowers is consequently less liable to break than a heavy one on some others.

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Adriance, Platt & Co.
E. MOWER.

ADRIANCE ENCASED GEAR MOWER.

MOWERS & HARVESTERS

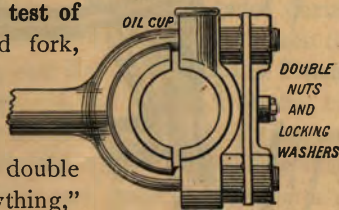
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ADRIANCE BUCKEYE "C" MOWER AT WORK.

Our Crank Connection for Pitman,

LIKE our other features, has **stood the test of** **L**over thirty years. A light, forged fork, welded to a steel-rod, receives a **substantial, tough brass composition box** made in two parts, which **can be adjusted** to each other to take up wear, and is firmly held by **double and locked nuts**. We have tested "everything," and thousands of farmers affirm this to be **"the best connection ever put upon a Mower."** **Compare it with others!**



The rod is held into the eye of the scythe by the shoe itself, or a simple latch. No "traps," and nothing to become insecure or troublesome.

Leading Wheel and Height of Cut.

THE leading wheel as used on our inside shoe not only prevents loose grass from being pushed along until it clogs the machine, but is so **carefully adjusted in position** relative to the points of the guard fingers, that it carries them through hollows and over ridges without catching, and is an important element of the **perfect self-adapting feature of our independent Bar**. The wheel is **indispensable** for these purposes and cannot be used with the same success on other mowers which lack our **long hinges** for supporting the bar on the leading wheel.

To support the outer shoe we use a **steel runner** which, in **steadiness and ease, in gliding over the inequalities of the ground**, is far superior to the

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small wheel used by many. The wheel is liable, also, to become quickly clogged or worn and inoperative.

The **Cutting Apparatus** can be evenly set to cut any required stubble by adjustment of the leading wheel and steel runner. The height of cut can also be varied by use of the tilting lever.

Facility of Management.

THE Controlling Levers are placed conveniently for the driver, and are very easily handled, giving him perfect command of the machine and cutting apparatus for all conditions of work.

The **Tilting Lever** throws the points of the Guard Fingers up or down, without affecting the direct line of scythe and pitman; and by devices which wholly avoid the weakening effect on the hinging of the cutting apparatus, and the loose connections common to most tilters.

The **Lifting Lever** raises both ends of the cutting apparatus to pass an obstruction, or to fold the bar, and is **exceptionally easy to operate**.

The **Gear Shifting Lever** starts or stops the gearing instantly, and its action requires only a **single movement** of the hand, or foot.

The **oil holes** are provided with cups **protected by hinged covers**, so that they can be **readily examined and cleaned out**. It is **unsafe** to use any oil cup the interior of which cannot be examined and cleansed if clogged.

Comfort for Driver and Team.

OUR frame giving ample foot room, and our gear being in the rear; the driver is **safely** and comfortably located. His seat is adjustable so that his **weight will balance the pole**, and when the bar is folded, it can be made to balance that also, by simply throwing the Tilting lever forward; so that **under no circumstances is there weight on the horses' necks**.

Lightest Draft.

THE peculiar features embodied in the attachment of the cutting apparatus and the perfect balance of the machine, permitting the draft to be directly from the axle, together with the perfection in principles and construction of the gearing and cutting apparatus, secure **absolutely the lightest possible draft ever attained on any Mower**.

On the Road

WE carry our Cutting Apparatus folded **horizontally** over the pole. Mowers without our **double-hinged coupling**, must carry the bar sticking unsteadily up in the air. The **safety** and **convenience** of driving our Mower on the road like a cart **have contributed largely to its wonderful popularity**.

Folding or unfolding can be easily done from the seat, except upon the very wide-cut mowers. On these it should be done from the ground.

MOWERS & HARVESTERS

ADRIANCE PLATT & CO.

The Adriance Rear Discharge Binder,

AFTER exhaustive experiments extending over many years, and in the various growths of grain in different parts of the United States, was first placed in the field for sale in 1888, in small numbers. In 1889 the number was very largely increased and the sale extended to other countries. **The success of the machine in the hands of the farmers was so positive**, that in 1890, in sections where it had become known we were **unable to meet the demand for it.**

For 1891 we increased our production several hundred per cent., but so great was the demand that, with the exception of between one and two hundred machines sent to **England, Ireland and Scotland**, the **stock was exhausted** by the requirements of the territory where the Binder had already been introduced; and we were unable to extend the sale to other new fields. Purchasers, who could secure an **Adriance Binder** for tangled and difficult crops, would not accept the old style of canvas elevator Binder at any price.

The Special Features of the Adriance Binder

Shown in cut on page 13 are:

Lightness:

Well Proportioned, Well Balanced

and Elegant Appearance:

Simplicity:

Peculiar and Limited Elevation of the Grain:

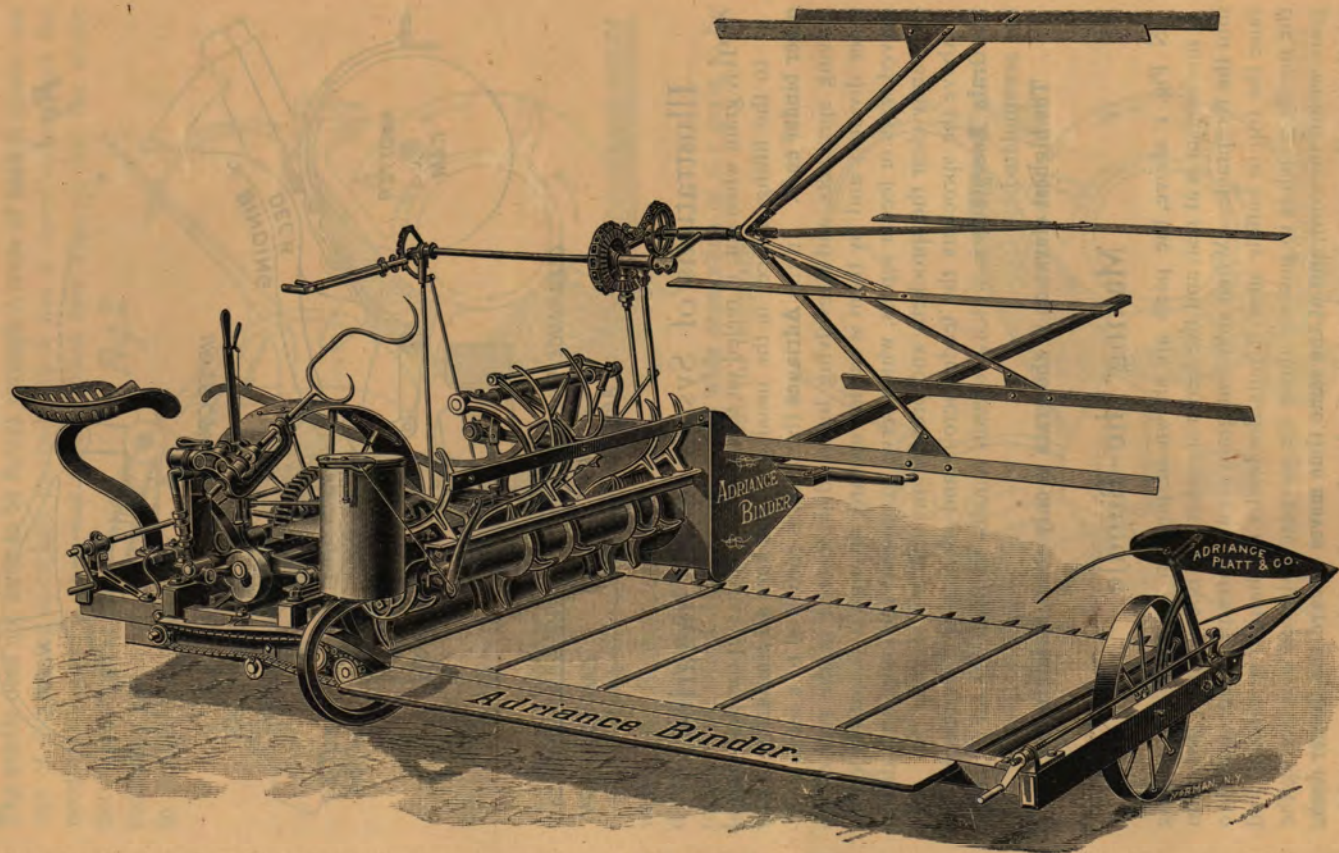
Novel Rear Discharge of the Bundle.

To those accustomed to the common type of Elevating Binder, the first view of the **little Adriance** in the field is a **revelation in harvesting, and its work a marvel.** While doing all the work of the large binder; in appearance, draft, facility of management, and ease of operation, it suggests comparison with the light, Single Reaper rather than with the well-known cumbersome Binder.

The **Adriance** should be seen in operation to fully appreciate the great advance made; yet some idea of the marked departure from heretofore accepted types, and of the advantages secured may be gathered from the following description and illustrations.

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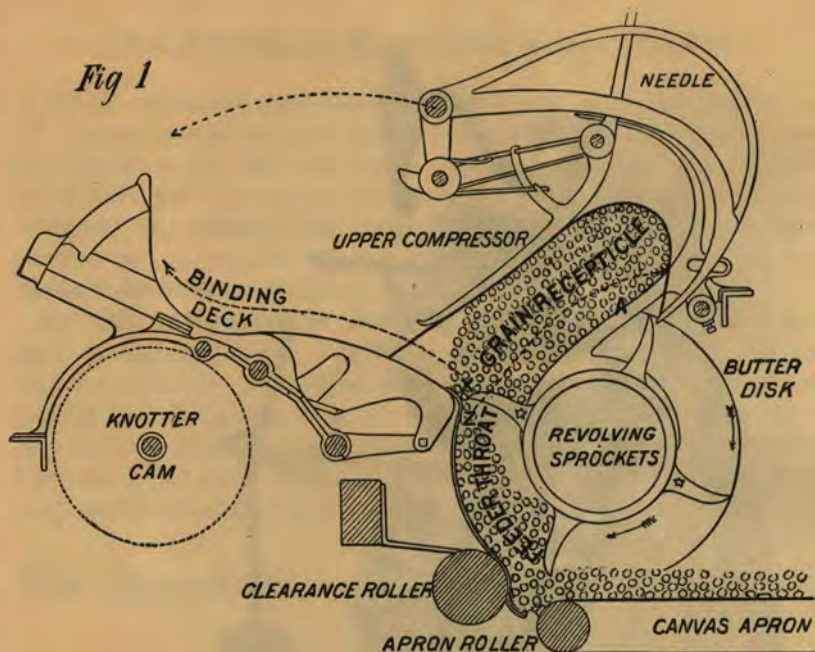
ADRIANCE PLATT & CO.



ADRIANCE REAR DISCHARGE BINDER.

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Illustrations of System and Operation.

THE grain when cut, is reeled on to a moving canvas apron and carried to the lifting devices in the usual way, **but here all similarity to any other binder ends.** In the **Adriance** the grain is conveyed to a series of revolving sprockets, and a revolving butter disk, located in the rear of the inner divider; and by them is carried upward through a throatway on to curved ways or feeder scrolls, which serve to support the grain, and also to constantly clear the sprockets, and prevent any winding of grain.

Above the sprockets the feeder scrolls and the upper compressor form the **Grain Receptacle** in which the grain remains until enough for a bundle has accumulated.

The highest elevation of the grain is only about fifteen inches.

Making the Bundle.

IN Fig. 1 above, the parts are shown in position as when the binding mechanism is at rest, and the feeder sprockets are operating to feed grain into the receptacle. When sufficient grain accumulates in the receptacle to raise the trip or bundle sizer, it puts the binder mechanism in motion, and the needle, which is in position above the receptacle, descends, inclosing the grain within the cord, and **at the same time moves toward the Binder deck,** which is on the opposite side of the feeder throat from the grain receptacle.

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ADRIANCE PLATT & CO.

The needle does not have to be forced through a mass of packed grain, but one of the sloping sprockets marked with a star is timed to act with the needle and leave a clear way for the point (see Fig. 1), and the whole needle moves away from the incoming grain, as shown in Figs. 2 and 3.

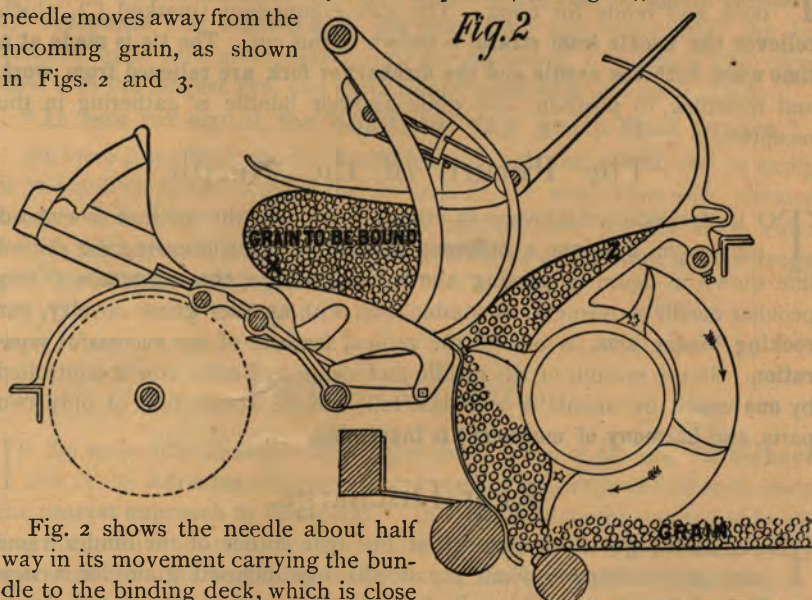


Fig. 2 shows the needle about half way in its movement carrying the bundle to the binding deck, which is close to the drive wheel, and **beginning the wide separation** of the grain to be bound from that continuing to feed into the receptacle.

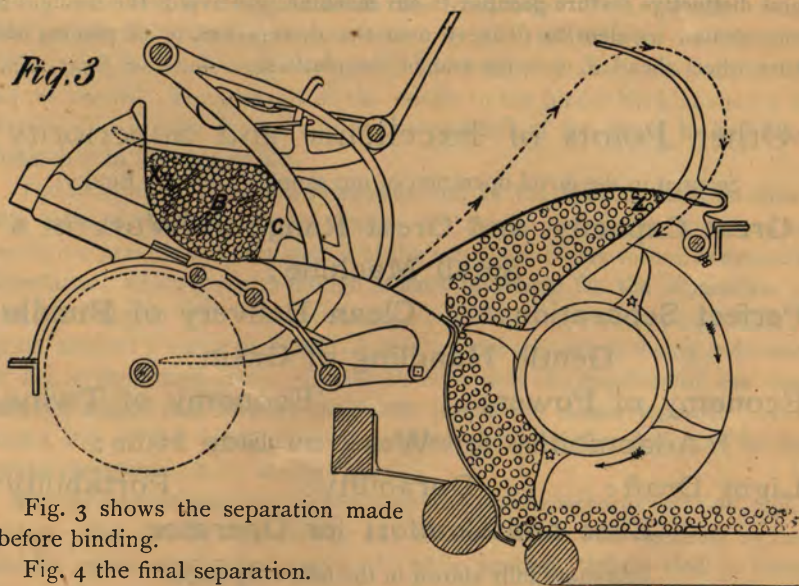


Fig. 3 shows the separation made before binding.

Fig. 4 the final separation.

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Binding.

FIG. 3 shows the bundle (marked B) fully compressed on the Binding deck and ready for tying. The side compressor (marked C), which **relieves the needle from strain**, is shown in this cut. **The tie is made at a time when both the needle and the discharger fork are relieved from work** and returning to position, and while another bundle is gathering in the receptacle.

The Return of the Needle

TO its first position is not, as in other binders, over the track of downward movement, **but over a different course**, the point following the dotted line shown in figure 3, **passing above the grain in the receptacle**. This peculiar needle movement, in combination with **another great novelty, our rocking binder arm**, is one of the radical features of our **successful separation**. Every motion of the needle and swinging binder arm is controlled by **one crank** by means of a wonderfully simple connection of only two parts, and **harmony of movement is inevitable**.

Rear Discharge.

THE Discharger Fork pivoted at the rear corner of the binder frame acts at the moment when the needle has inclosed grain for a new bundle, and lifts the bound bundle from the deck, and turning it completely over endwise, **discharges it gently on the butts** in the rear of the machine, but entirely out of the way on the next round. **This rear discharge is a most distinctive feature peculiar to our machine**, and avoids the troubles in construction incident to delivery over the drive-wheel, or of placing the drive-wheel ahead of, or in the rear of the platform.

Other Points of Excellence and Superiority

Secured in the novel operation of our simple two horse Binder:

Great Capacity, and Great Range of Work in a Small Machine :

Perfect Separation: Clean Delivery of Bundle:

Gentle Handling of Grain :

Economy of Power: Economy of Twine:

Adaptability for Work on Side Hills:

Light Draft: Durability: Portability:

Ease and Comfort for Operator.

As more fully shown in the following pages.

MOWERS & HARVESTERS

ADRIANCE PLATT & CO.

Capacity for All Work.

SMALL as the **Adriance** appears ; as the entire rear of apron, elevator, receptacle and binding deck are open, long and heavy grain can be handled by it with great facility, and the testimony of farmers who have used it in the longest rye, and in unusually short oats or barley, is that

"It has no equal for handling any grain that grows."

As there is ample room for the off-horse, it cuts full swath, and so easily is it handled by two horses, that in tests in the same field with elevator binders drawn by three or four horses, and designed to cut a much wider swath, the **Adriance** has cut from fifteen to eighteen per cent. more acreage per day of same working hours.

Perfect Separation

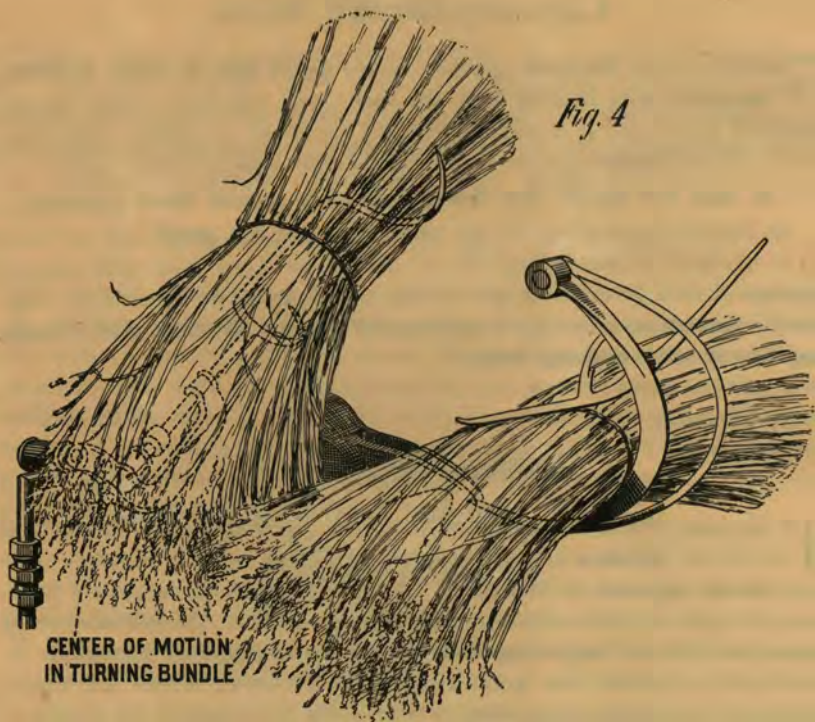
IS the most difficult attainment in the construction of binders. If we have not in the **Adriance** attained absolute perfection, we have certainly made the nearest approach to that point. In other binders the method of handling cut grain tends to compact and mass it together. In the **Adriance** every operation from the beginning tends toward the final perfect separation.

It will be noticed that at the point A, on the feeder scrolls (see Fig. 1, page 14), the sprocket passes away from its scroll, and ceases to lift the straw : thus straw which has fallen at an angle on the canvas, and is so carried to the lifting sprockets, is **straightened in the receptacle**. That sprocket which first caught the turned straw, first ceases to lift it, and so with the others, in order, until the whole length of straw is laid evenly up above the point A, on all the scrolls. The passage of the needle to the binder deck as shown in Figs. 2 and 3, page 15, makes a **wide separation of the grain to be bound from that in the receptacle**.

The location of the **grain receptacle** and of the **binding deck**, on opposite sides of the feeder throat, causes the needle and feeder sprockets to move the grain, when they part it at the top of the feeder throat, in opposite directions ; which counter-motion is **most favorable for the separation of the bundles** ; as will be seen on inspecting the progress of the portions of grain marked x and z in Figs. 1, 2, and 3 ; the movement being indicated in Fig. 1 by dotted lines. It will be seen that the portions of the two bundles which pass through the feeder throat the closest together (see x and z, Fig. 1) are most widely separated on the binder deck and in the grain receptacle (See x and z, Fig. 3.)

Fig. 4 (see next page) shows the beginning of the discharge and final separation. One bundle approaching the binder deck is held securely by the needle, upper compressor and cord : while another, tightly tied, is lifted

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bodily from the deck, and the butts turned over to the ground. The heads being held at the center of motion do not leave the fork until the butts are below, thus the heads are moved but little and are handled very gently.

Final separation is made so thorough by the great backward sweep of the discharger fork, that, even in the worst grain, **bundles rarely hang together.**

Clean Delivery.

AS the discharge of the bundle is not necessary to tighten or strip the knot, **one bundle after tying lies undisturbed on the binder deck until another is secured** (see Fig. 4). **At the time of discharge, both are firmly held,** and the second is interposed between that being discharged and incoming grain, so there is

No loose grain to be dragged out by the bundle discharged.

If a bundle is about to be discharged on a corner, the driver can easily throw it behind him out of the way on the next round.

ADRIANCE PLATT & CO.

In Economy of Power

WHICH is the great essential of light draft, the **Adriance** makes a marked advance and a **great gain** in nearly every operation. From cutting to delivery, the grain is moved only about one **half as far** as on ordinary harvesters; our method of **elevating requires far less power**, and with **less speed** lifts the grain rapidly and positively.

On all other binders the twine is measured off, and the end held before the knot is tied; several inches of slack for turning around the bill-hook and forming the knot must come largely from the twine around the bundle, and to secure a tight band much of the slack must be taken up by expansion of the bundle after tying. To accomplish these results, compression must be much greater than is necessary by the system used in the **Adriance**, in which the twine is measured around the properly compressed bundle, slack comes from and returns to the ball end of the twine; the end holder operating last. So that **all the power of unnecessary compression is saved** and a stiffer and better bundle is obtained.

Also, by any other system than ours, after making a bundle the knot must be tied, the needle returned to starting position, and the bundle delivered, before any more grain can be placed for another bundle. This necessitates the most rapid possible movement of the mechanism. On the **Adriance** the binding deck being far removed from the receptacle where the bundle is formed, and the needle returning over the receptacle, the **three operations of feeding, binding and discharging proceed simultaneously**, and we economize power by slower movements, as well as in methods.

Less Twine is Used

BY the **Adriance** than by any other binder because its bundles are **round**, and the same amount of grain is inclosed by less twine than is required for flat bundles as made by all other binders. The **knot also requires less twine**, and **none is cut off and wasted in the end holder**.

Basing the calculations on a large bundle (one above the average size), the **saving** by use of the **Adriance** would be about **one and one-half balls of twine in every bale** of twelve. The saving would be still greater for smaller bundles.

Balance and Adaptability to Work.

OUR peculiar method of discharging the bundle enables us to balance the machine with **the driving-wheel and grain wheel in line**, the driver in the best position, and without any of the objectionable features incident to all other attempts to produce a light, two-horse binder.

Platform and frame can be easily raised or lowered, and evenly tilted in any position. **All weight is carried low**. In this respect as well as in

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its light weight and draft, the **Adriance** is adapted for hillsides, where other binders can not be successfully operated.

Light Weight.

THE **Adriance** weighs from twenty to thirty per cent. less than the average elevator binder; capable of doing the same amount of work.

Portability.

WITH the seat and spring lifted from its socket, the extreme width of the machine, cutting full five feet, is but **nine feet, eight inches**. With the seat in place it is less than eleven feet.

Excepting the reel, **no part is much above the top of the drive-wheel**. It requires no truck and is conveniently stored.

Light Draft.

THE great economy of power, light weight, and use of a large drive-wheel, and the perfect balance secure **so light a draft** that the **Adriance** binder is easily handled by two horses.

Durability.

FROM the simplicity of the **Adriance** and the slow movements of all working parts, the **brass composition bearings**, the excellence of material and workmanship, and its **lightness**, which saves much strain and wear, the **Adriance** cannot fail to prove the **most durable of binders**, and the **most economical** as well as the **best**.

Ease and Comfort for Operator.

ON the **Adriance** the driver has a low, comfortable, safe seat on the stubble side of the drive-wheel, where his weight assists in the balance, and from which he can step directly to the ground, if necessary. His team is within easy reach, and **every operation of the machine in sight and easily controlled**. By levers convenient to his right hand he can operate the reel, change the position of the band on the sheaf, lower the frame, or tilt the machine up or down, or throw out of gear. In event of cord breaking, the needle is easily re-threaded, every leader and eye for the cord being in **plain sight** and perfectly **easy of access**.

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THE ADRIANCE REAPER

Is Light of Draft, Strong, Simple, Easily Operated,
Perfectly under the Control of the Driver,
Has a Cased Gearing, Perfectly Balanced, No Side Draft.

THIS machine is built with the same careful attention to correct mechanical principles, excellence of material, and workmanlike construction employed in our mowers, and like them has been **an unparalleled success from its introduction**, and has always been recognized as the

Most Serviceable and Reliable Machine of its Class

and the best adapted for **satisfactory work in all crops in any condition**. It is adapted not only for the small grains, but is largely used by owners as an **ensilage harvester**, and, for that work, its thorough bracing, large platform, and long rake-arm render it **better adapted than any other Reaper**.

The Solid Frame peculiar to the **Adriance** gives a **firm foundation** for the gearing and working parts; and supports and carries the well-made platform steadily and without sagging or dragging at the rear.

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The novel double Crank connection of the frame and driving wheel gives facility for **great variation in the height of cut and range of work**, and perfect freedom for tilting the platform at any height. **The Driving Wheel** is large, **free from gearing**, and about in line with the grain wheel; rendering the Reaper **easy to turn**, and to hold up to its work on side hills.

The most perfect Gavel possible in any kind or condition of grain can be secured with the **Adriance**, which embodies all necessary features. **High Rake Gearing** and **Long Rake Arms**, either one **perfectly under the control of the driver**, may be used for reeling or raking, **or set, to work automatically**, and by means of the **Tilter** rakes may be dropped well in advance of the cutters to lift up down or leaning grain.

The **Speed of the Rakes is changeable**, and their relation to the platform in reeling or raking may also be adjusted. On the **large Platform** grain can be **fully turned** and straightened for delivery in the gavel.

Portability is more perfectly secured in the **Adriance** than in any other Reaper, and it is more easily and quickly folded.



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Warranty.

Every Machine We Manufacture is Warranted

TO be well built, of good material, and capable of doing good work in every place where any machine of same class, Mower, Reaper, or Binder, can be successfully operated.

Should the machine fail to work properly when started, due notice must be given to us or our agents, and time allowed to send a person to put it in order. If it is not then made to work well it may be returned, and

Any Payment that has been made will be REFUNDED,

or a perfect machine will be given in its place, at the option of the purchaser. Continued possession of the machine will be evidence of satisfaction.

ADRIANCE, PLATT & CO.

Extras Furnished with Machines.

MOWERS are furnished with Two Complete Scythes, BINDERS or REAPERS with one Scythe and one Sickle (or with two of either if so ordered), and every Machine with Two Extra Knife Sections, Two Extra Guard Fingers, Screw Wrench, Punch, Cold Chisel, Oil Can, Bolts, Rivets, etc., and Whiffletrees and Neck Yoke.

Repairs.

CONVENIENCE and certainty of procuring fixtures for repairs are very important points for a farmer to consider when selecting a machine. Our Factory at Poughkeepsie, Warehouse at New-York, and our numerous Branch Offices and General Agencies are convenient and accessible to all parts of our markets, and supplies of our extras are kept at these points and also at several hundred depots, located in every part of our territory; so that a farmer knows he will have no difficulty in procuring necessary fixtures. Our machines are so well built, so durable, and so entirely free from all those traps which cause breakage in other machines, that they require fewer repairs than any other; but it is an indisputable fact that there are no machines for which fixtures can be as easily and surely procured.

Beware of Spurious Fixtures.

OWNERS of machines built by us are cautioned against purchasing inferior imitations of our Knife Sections, Guard Fingers, or other fixtures. It is impossible to do good work with a poor cutting apparatus, and the farmer, for his own protection, should be sure that he gets parts of our manufacture, which are not only of the best quality, but sure to fit.

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Our Adriance Buckeye Mowers

Are made in **Three Sizes**, known as "**A**," "**B**," and "**C**."

Size C, 3 feet 6 inch cut.

Size B, 4 feet 3 inch cut.

Size A, 4 feet 6 inch cut.

Size A, 5 feet cut.

SIZES "**A**" and "**B**" are for **two horses**; the "**A**" is somewhat **heavier** and **more powerful** than the "**B**."

Our one-horse "**C**" Mower is **made entirely** from patterns designed for a **light machine**, and is so proportioned as to secure all necessary strength.

Our Adriance Buckeye Mowers have the **longest** and **best record** of any Mowers ever made.

Our Adriance Encased Gear Mowers.

ARE known as sizes "**E**," "**F**," and "**G**"; all are for **two horses** and embody the features embraced in our general description, combined with our **Encased Gear**.

Size E, 4 feet 3 inch cut.

Size E, 4 feet 6 inch cut.

Size F, 5 feet cut.

Size G, 6 feet cut.

All our Mowers are well proportioned in respect to space between the Drive Wheels, width of cut, and power required for the work they have to do.

For the "G" Mower

The Drive Wheels are 36 inches in diameter, and

EVERY PART IS LARGER AND MADE FROM PATTERNS SPECIALLY DESIGNED FOR THIS WIDE CUT MACHINE.

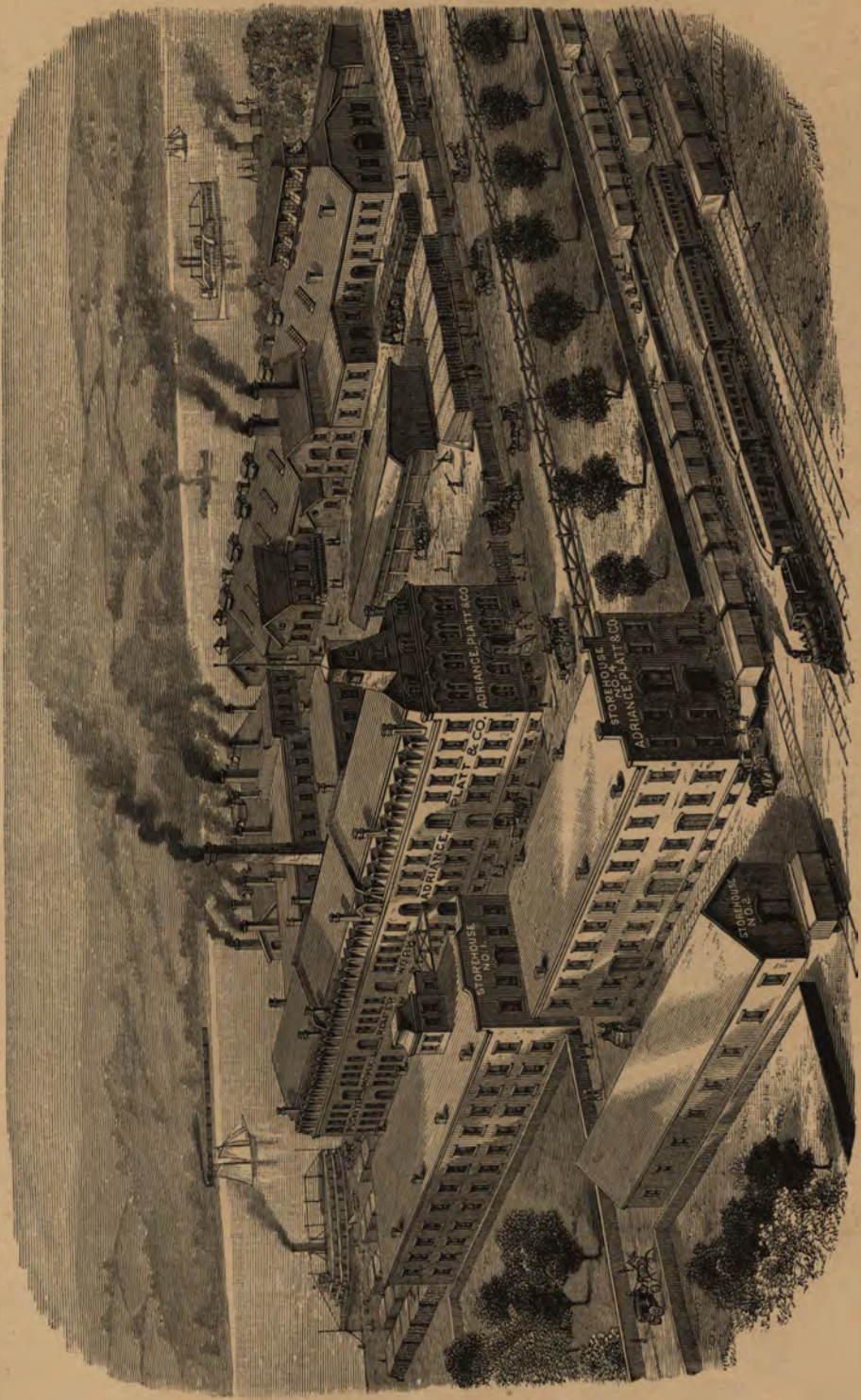
Adriance Light Draft Reaper,

5 feet cut.

The Adriance Rear Discharge Binder,

5 feet cut.

MOWERS & HARVESTERS



Adriance Binders, Reapers & Mowers.



ADRIANCE,

A Glimpse of the future.

TRADE MARK
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