

ADRIANCE

PLATT &

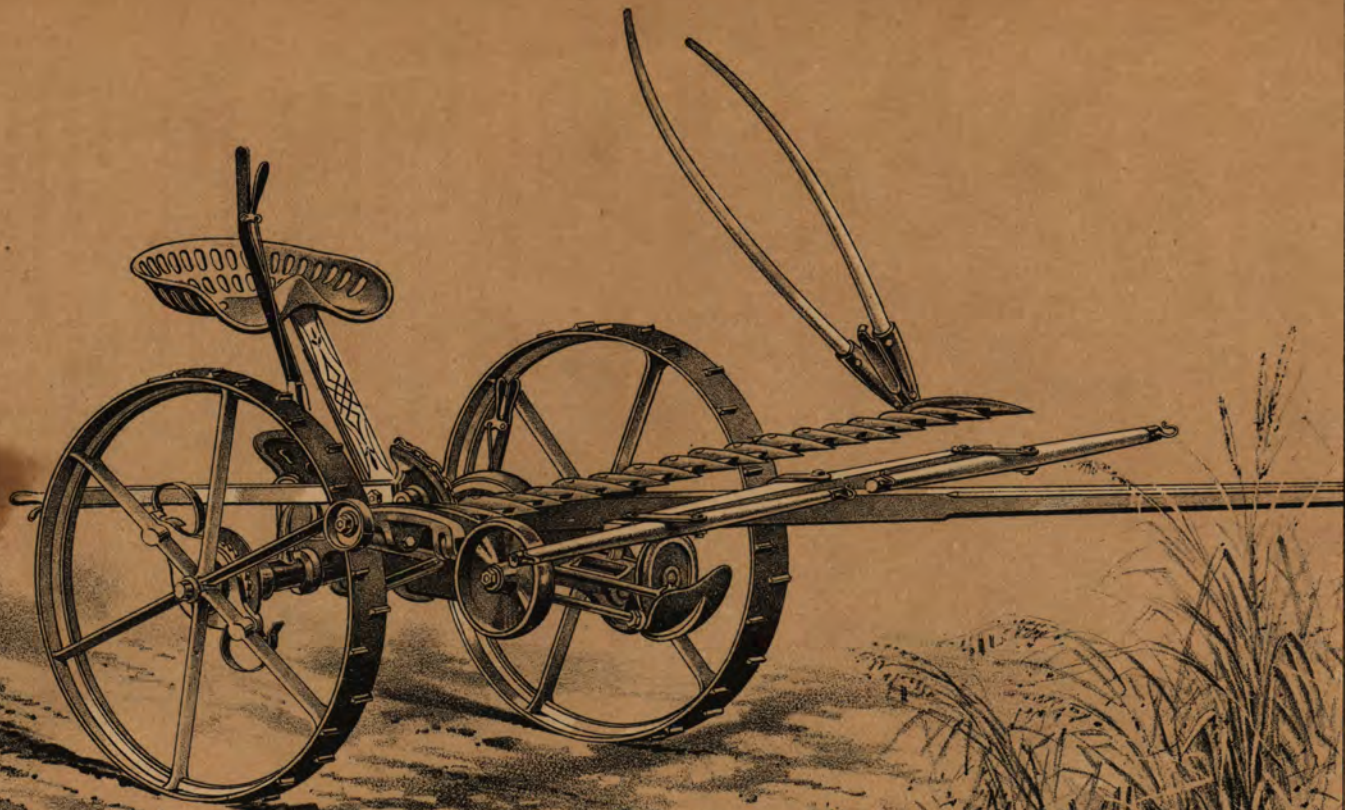
MOWERS
AND
REAPERS

BUCKEYE
WORKS

POUGHKEEPSIE.
N.Y.

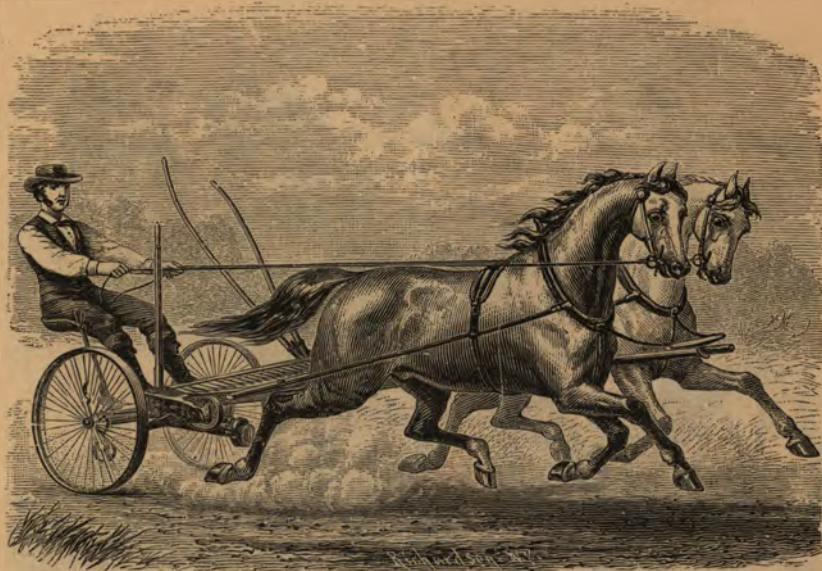
OFFICE
No 165
GREENWICH ST.
NEW YORK.





Adriance, Platt & Co.
"ADRIANCE" E "MOWER, FOLDED."

ADRIANCE, PLATT & CO.



ON THE ROAD.

165 GREENWICH STREET, NEW-YORK, January 2, 1888.

WHEN we commenced the manufacture of Mowers and Reapers **one-third of a century ago** the business was in its infancy, and the cutting of grass and grain by machinery was still largely a matter of experiment.

After a few years' experience in building a one-wheeled, rigid bar Reaper and Mower, which took rank as the **best of its day**, we were fortunate enough to offer to the farmers for the harvest of 1858 the great novelty of a two-wheeled jointed bar Mower which has ever since been recognized as the standard, and which, under our original Trade-Marks of "Buckeye," "New Model," and "Adriance," has met with that phenomenal measure of success which is only attained by the one article that is pre-eminently superior to all others in any department of invention or manufacture.

We have paid the penalty of all successes in having many imitators; but, having started a long way in advance of all competitors, we have maintained our position at the head, and our manufactures are known throughout the world as the best.

Their popularity has not waned with the flight of years but steadily increased, and the record our machines have made in the hands of the hundreds of thousands of farmers who have used them is the strongest argument that can be urged in their favor. Not only have they done the best work, but their durability and the slight expense of keeping them in repair are exceptional features in which they have never been approached.

The confidence and support of the farmers which we have enjoyed for so many years we hope to retain by continuing to deserve them.

ADRIANCE, PLATT & CO.

MOWERS & HARVESTERS.

ADRIANCE PLATT & CO.



ADRIANCE "E" MOWER AT WORK.

Adriance Encased Gear Mower.

Sizes "E," "F," and "G."

THESE are our latest improved Mowers, and their complete success is attested by the fact that to meet the demand for them we were obliged to produce a supply for the season of 1887 that was an **increase of more than 400 per cent.** over their sales of the preceding year.

We retain in these Machines our **Duplex Jointed Bar** and other **invaluable features** originally introduced by us, which are now universally **recognized as essentials** of a satisfactory Mower; our **Solid Tubular Frame**; **Firm Bracing**, etc.; have substituted **steel** for **iron** wherever it would be an improvement, and introduced a perfected system of **encased gear** differing from any heretofore used on a Mower, which has many elements of superiority; a novel, **prompt-acting Gear Shifter**, on which there is **no wear**; **ALL STEEL** Connections, **STEEL** Shafting, **STEEL** Bracing, and **Best Brass Composition Bushings**.

A PECULIARLY DISTINCTIVE FEATURE

of these and all of our machines is that they are

EACH PROPORTIONED AND ADAPTED to the **AMOUNT OF WORK** THEY HAVE TO DO and the strain they have to bear.

The **length of axle** and **space between the drive wheels** are adjusted to the width of swath, and **with each increase in length of cut**, the **power** and **weight** of the machine are **proportionately increased**.

MOWERS & HARVESTERS.

ADRIANCE PLATT & CO.

The Adriance Encased Gear Mower

is made in **FOUR SIZES**, as follows :

Size E	30-inch Drive Wheels	4 feet 3 inch cut.
Size E	" wider-faced Drive Wheels . .	4 feet 6 inch cut.
Size F	32-inch Drive Wheels	5 feet cut.
Size G	36-inch Drive Wheels	6 feet cut.

To meet the growing demand for a longer cut, we build our

New "G" Mower,

which was fully tested last season and is now offered as the **best of its class**. It has the same **system** of gearing, bracing, etc., as the "E" and "F," but

**EVERY PART IS LARGER AND MADE FROM NEW PATTERNS
SPECIALLY DESIGNED FOR THIS MACHINE.**

The **Drive Wheels** are **36 inches** in diameter, and the **space between them** **greater** than on any other side-bar mower.

Adriance Buckeye Mowers.

THESE machines have our original method of gearing, open to view but fully protected, as introduced by us thirty years ago; and have met with the greatest measure of success of any Mower ever built.

Size C, for one horse . . 28-inch Drive Wheels. . . 3 feet 6 inch cut.

The one-horse machine has no Tilter.

Size B 30-inch Drive Wheels 4 feet 3 inch cut.

Size A " wider-faced Drive Wheels . . 4 feet 6 inch cut.

Adriance Light Draft Reaper,

One Size only . . . 32-inch Drive Wheel 5 feet cut.

The Adriance Rear Discharge Binder.

WE shall build for the season of 1888 a limited supply of a **Binder** which is **original** and **novel in all its features**; much **lighter** and **simpler** than any which have preceded it. In **lightness of draft** and the ease with which **its mechanism can be understood and operated** it will not compare unfavorably with an ordinary Self-raking Reaper, and is as well adapted for use on side hills.

The thorough tests we have given this Binder in the field embolden us to believe that it will take the same high rank among Binders that our Mowers and Reapers won on their first introduction and have since maintained.

MOWERS & HARVESTERS.

ADRIANCE PLATT & CO.

Some of the reasons why the Farmers prefer

Adriance, Platt & Co's Mowers to all others.

—♦—

They are very simple;

Contain few parts;

Are the best braced and strongest;

Have better bearings;

All the parts are easily understood and kept in order by the ordinary farm hand.

They are built on correct mechanical principles;

Have the only perfect double-jointed Finger Bar, which adapts itself to every variety of surface.

There is no downward pressure on the Finger Bar, but a lifting tendency, when coming out of a ditch or furrow.

The Knives have a truer and more uniform throw through the Guard Fingers.

Have the most perfect cutting apparatus;

They have a Perfect Tilter without loose connections or knuckle-joints;

Cut a swath the full length of the Bar without driving the off-horse in the standing grass.

Are perfectly adjustable to any work.

All weight is utilized for power.

The horses draw directly from the axle, and no weight comes on their necks.

They are the Lightest Draft,

Perfectly balanced, Easiest to operate,

Excel all others in portability.

The Bar folds firmly, and flat across the frame.

By means of the Tilter, the Folded Bar is balanced by the driver; no weight comes on the team.

Are the most comfortable and safest for the driver;

Only the best material and workmanship are used in their construction.

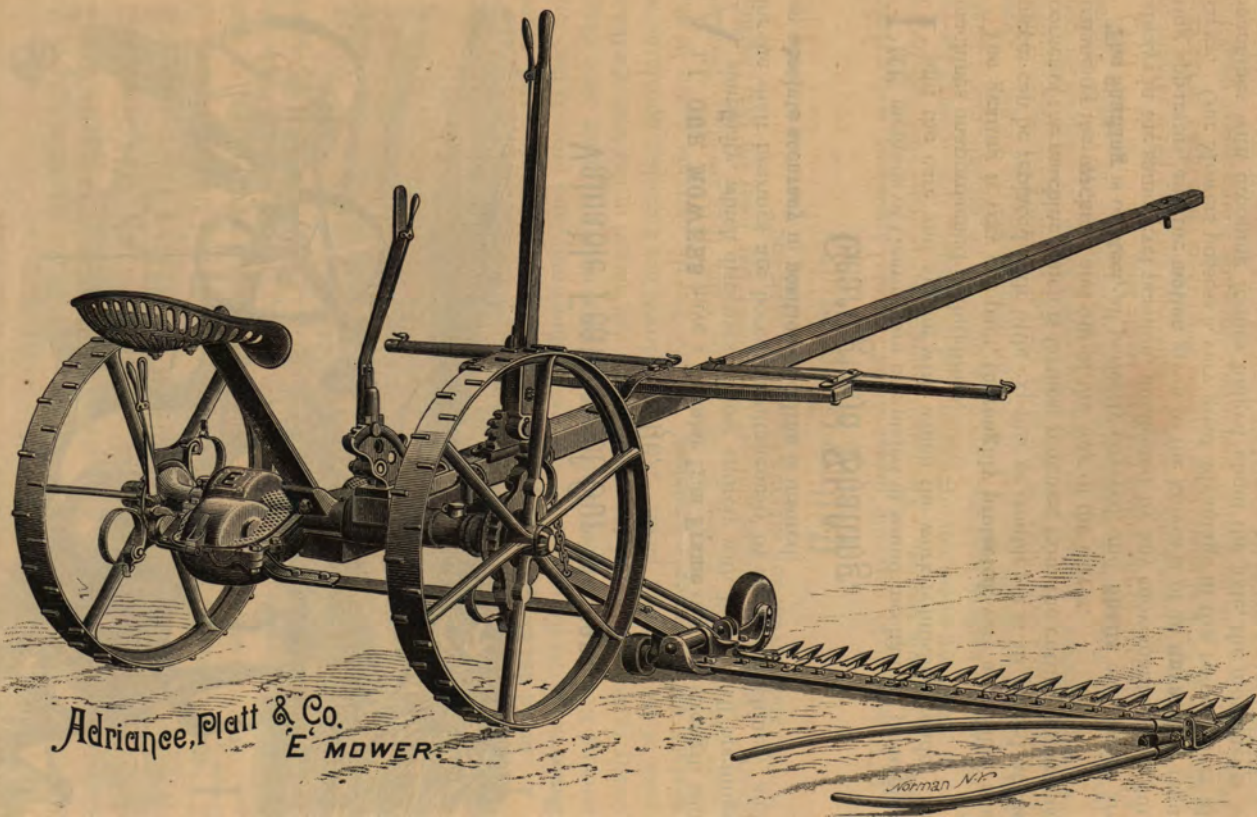
Extra parts are more easily obtained;

They require fewer repairs;

They have the longest and best record;

Their average life is double that of others.

MOWERS & HARVESTERS.



Pl. 1.

ADRIANCE, PLATT & CO.



ADRIANCE BUCKEYE MOWER AT WORK.

Valuable Features of Our Mowers. Frame.

ALL OUR MOWERS have a **Tubular Iron Frame** of great strength and simplicity, which dispenses almost entirely with bolts. All openings for the shaft bearings are bored simultaneously by special machinery, and an **absolute accuracy** in **position** and **line** is insured.

Gearing and Shafting.

THE methods of Gearing are unequaled in sound mechanical principles, and the care and system with which the work is finished render our machines unapproached in durability.

The gearing is very compact, **thoroughly protected**, very accessible, and pieces can be replaced with little expense or trouble; it is all placed at the corner of the machine which is farthest removed from the cutting apparatus, balancing the machine, and out of the way of the driver.

The Shafting is of **steel**, all perfectly covered, and **Shafts** and **Gears** are always in the same level position, unaffected by any movements of the cutting apparatus, and the **motion** given to the knives is of an **unvarying** regularity. Our Mowers possess a very great advantage in this respect over all machines with drooping frames hinged about the axle, the movements of which on uneven ground cause irregularity in the motion of the gearing, and impair the direct action of the Pitman.

Pl. 118. **MOWERS & HARVESTERS.**

ADRIANCE, PLATT & CO.

All Weight Used for Power.

THE Power which operates a Mower is all derived from the Driving Wheels; any weight which they do not carry must cause friction and increase draft. In Mowers of our manufacture the **whole weight** of the driver, the gearing, frame, pole, etc., is carried on the Driving Wheels, and **fully utilized**.

Pawls and Ratchets.

THE Gearing is driven by pawls, which, attached to the drive wheels, are held either in or out of ratchet wheels keyed fast to the main axle, by a flat steel spring, **not hidden** from view, but always accessible. When backing or when the pawls are thrown out, the wheels turn independently on the axle, and no wear occurs on any working part or bearing.

The Pawls are so adjusted that, when ready for work, if the machine is moved forward, one **must** be in gear, starting the knives **instantly**.

Firm Bracing and Hinges.

THE **Cutting Apparatus** is attached to the frame of the Machine by a **broad flat Coupling**, hinged at both ends. In addition, a **stiff, round Brace** holds the forward end of the Inside Shoe firmly, and protects the Connecting Rod; and **another Brace** extends from near the inside shoe diagonally to the rear end of the frame, where it is hinged in line with the inner joint of the coupling piece. No other Mower has a cutting apparatus **so flexibly yet so strongly attached**. At the Bar the extreme points of the hinge measure some twelve inches; at the frame they are above two feet apart. These long hinges support the Cutter Bar level on the Leading Wheel, and prevent any sagging back at its outer end.

Cutting Apparatus.

WE use a light, carefully proportioned Cutting Apparatus, and a three-inch Knife Section. The Guard Fingers are of malleable iron, by the use of which we attain uniformity, and the exact shape best adapted for the work and for each to hold and brace the other, as no wrought guard finger can; together with the greatest degree of strength for the weight. These are fitted with a steel plate of the same temper as the Knife Section, their two angles exactly adjusted, securing the perfect shear cut essential for continued good work. The plates are securely riveted to the Guard Finger, which is attached to the cutter bar by a single bolt.

The Knife Sections project back of knife rod, and thus get a support on a shoulder at back of guard finger, which keeps them close down to the steel finger plates. This method of supporting the knife allows ample clearance under the rod to avoid the collection there of gum and dirt, and enables the farmer to "line up" the scythe at any time with but trifling expense.

MOWERS & HARVESTERS

ADRIANCE PLATT & CO.

Connecting Rod.

BOTH ends of the Connecting Rod are always in a **direct line**, and its movements are invariably steady and **uniform**. This is not possible in any mower using a drooping frame.

The Connecting Rod is attached to the Crank Pin by a composition box, firmly secured by locked nuts, easily tightened up as it wears. The end which fits into the eye of the Scythe is held in its place by a flange on the Inside Shoe, and no insecure or troublesome devices are used.

No manufacturer would use loose or shakky connections for the Pitman, where the speed is the highest, unless compelled to do so by the mechanical imperfections of his machine.

Full Length of Cut.

THE Cutter Bar is at the front, its inner end is outside of the line of the Driving Wheel, allowing the Scythe to cut its full width, and the driver sees the work without turning away from his team. On other machines having their bars attached inside the line of the Driving Wheel, the Knife Sections on the inner end do not cut any grass.

On all Mowers of our make several inches more cut is secured than on other machines having bars of the same length.

Height of Cut.

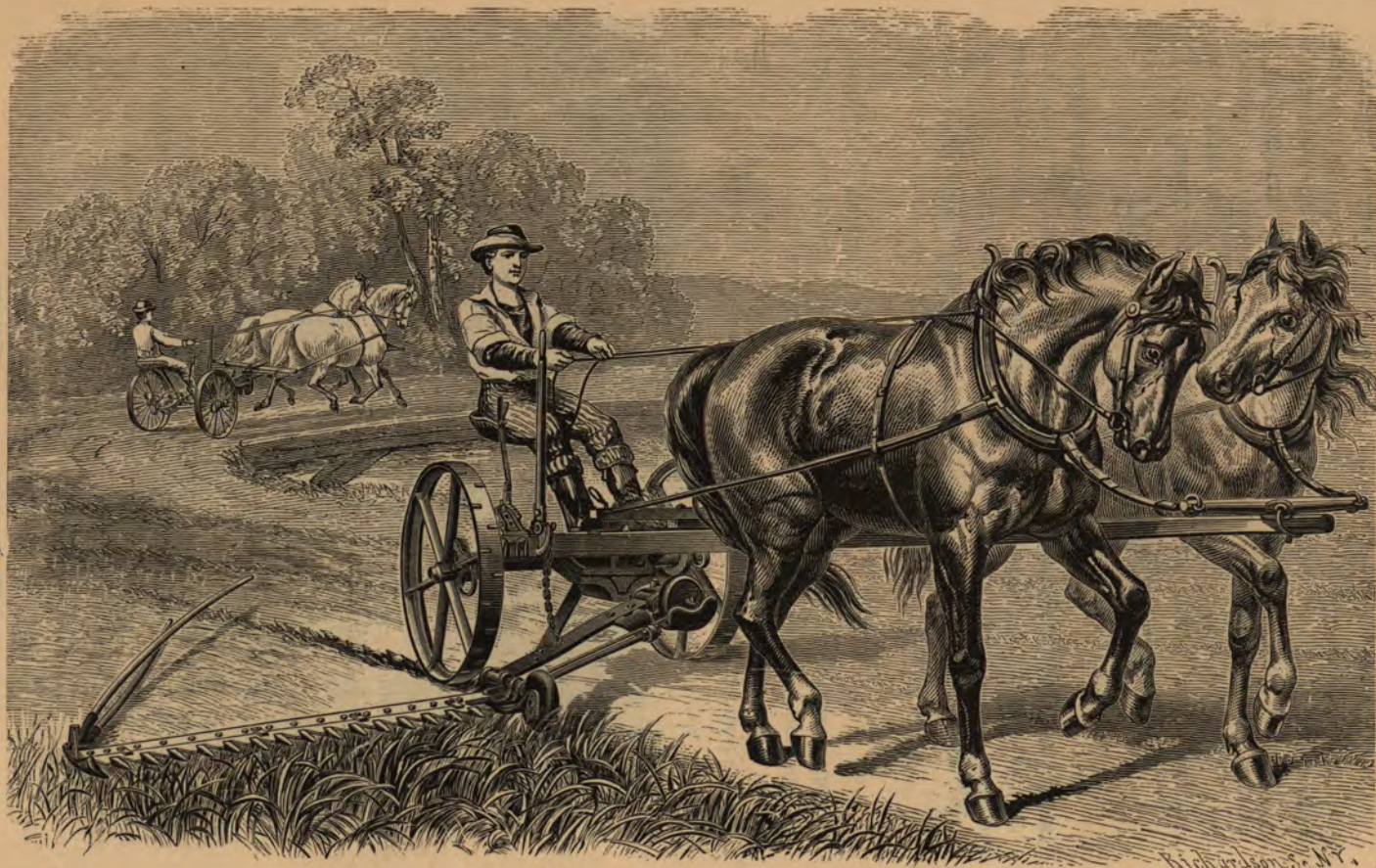
THE Height of Cut is regulated by means of the adjustable steel runner on Outer Shoe, and adjustable wheel on Inner Shoe, so that both ends of the bar can be raised or lowered to cut any required stubble, which may be varied, also, by the use of the Tilting Lever.

Adaptation to any Surface.

IN other front cut mowers the frame or connections carrying the cutting apparatus are hinged about the axle and **droop toward the front**. This tends to push the bar **from above** and to force the cutting apparatus downward into ditches or furrows. To overcome this difficulty "under drafts" **have to be used** to lift the cutting apparatus, which **transfers the weight to the pole and horses' necks**, and affects the freedom of the cutting apparatus, impairing its independent action, and on rough or hilly ground rendering it liable to lift or jump and leave an uneven stubble.

In our system, both braces and couplings reach the bar by drooping **side-wise**, and **cannot possibly exert a downward pressure**. They are hinged parallel to the ground, and the force is applied to the bar in that line and so low down that the bar, by the aid of the leading wheel, is **automatically lifted and carried lightly** over any obstruction or through any furrow, and **adapts itself** to all varieties of surface, independent of the movements which the undulations or roughness of the ground may give to the machine.

ADRIANCE PLATT & CO.



ADRIANCE, PLATT & CO'S MOWERS.

MOWERS & HARVESTERS

PL. 76.

ADRIANCE PLATT & CO.

Leading Wheel.

THE Leading Wheel attached to the Inner Shoe prevents loose grass from being pushed along and clogging the machine. It also prevents the points of the Guard Fingers catching in the ground while passing through hollows and over ridges. This very important feature, **indispensable** for a perfect self-adapting finger bar, cannot be as successfully used on other mowers, which lack our long hinges to the cutting apparatus.

Levers, Tilting, Etc.

CONTROLLING Levers are placed **very 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** 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.

Balance.

THE driver's seat is at the rear of the machine, and is adjustable to his weight, so that he always balances the pole. When the bar is folded, the driver's weight can be made to balance that also, by throwing the Tilting Lever forward, so that the balance is always perfect, **avoiding all possibility of weight on the horses' necks**.

Light 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**.

Horizontal Folding Finger Bar.

THE **Cutting apparatus** folds squarely over and on to the machine, where it rests firmly and securely, with the weight evenly balanced. The operation of folding and unfolding can be done from the seat or the ground.

The **horizontal folding** of the Cutter Bar, together with the turning of the wheels upon the axle independent from the gearing, and the **perfect balance** heretofore explained, make ours the only machines perfectly fitted for traveling safely on the road.

ADRIANCE, PLATT & CO.



ADRIANCE REAPER AT WORK.

The Adriance Reaper

SUSTAINS ITS REPUTATION AS

THE BEST OF ALL SINGLE REAPERS

FOR all kinds and conditions of Grain, and is built for 1888 without material changes. Careful attention to the description following will show how thoroughly it meets the requirements for a perfect working, light draft, durable Reaper.

Frame and Bracing.

THE **Adriance Reaper** has a strong, light iron frame, cast in a single piece, located entirely on the grain side of the drive wheel, where it can be fully utilized. It carries and thoroughly braces the Rake, the Gearing, and the cutting apparatus and platform. In addition to the very thorough front bracing, the frame itself supports and rigidly braces the Platform well back from the Cutting Bar, obviating all liability of breakage, carrying the Platform steadily, and preventing any sagging or dragging of the rear end in backing or turning. These very important advantages are not found in other reapers.

PL. 141. **MOWERS & HARVESTERS.**

ADRIANCE PLATT & CO.

Shafting and Gearing.

EVERY SHAFT, including the upright shaft carrying the rakes, has **two bearings**, which secure steady motion and ensure durability.

There is no **gear** in the Drive-wheel, where it is so liable to be filled with dirt or broken by gravel; and all gearing is encased and protected. The machine is conveniently put in or out of gear, and when backing, or when out of gear, nothing moves but the Drive-wheel.

Cutting Apparatus.

THE **Cutter Bar** is of angle iron, securing the greatest degree of stiffness combined with lightness. The Guard Fingers, adapted in shape particularly for Reaping, are constructed the same as those described for our Mower; the Knife sections are three-inch, the same as on our Mower, and a smooth or sickle-edge knife can be used as preferred.

Great Range of Work.

THE crank-like connection of the frame to the axle of the Drive Wheel, **peculiar** to the **Adriance Reaper**, allows the height of cut to be greatly varied. All parts are raised or lowered without change of relative positions: Pitman and Knife are always in line, and the **stroke is never varied**.

The platform can also, by a convenient lever, be very easily, quickly, and evenly tilted to cut lodged or short grain or grass-seed. By the perfect control of the Platform and Rake, the tallest or the shortest or badly lodged grain can be cut and laid in satisfactory shape for binding, on any ground.

The simple means of raising either end of the platform, independently of the other, is valuable in adjusting for furrowed land.

Automatic and Controllable Rake.

THE Rake can be set to operate **automatically**, and the grain delivered in gavels at any desirable distance, or in swath, while the driver **controls and varies the operation of any arm at pleasure**. By a slight movement of the driver's foot, any arm which is acting as a rake can be instantly converted into a gatherer, or any arm which is acting as a gatherer can be instantly made to operate as a rake.

An examination of the **very simple mechanism**, by which this perfect control over every arm is given to the driver, will convince any farmer of its superiority over the unsatisfactory devices by which other manufacturers try to accomplish this object. Most of the so-called controllable and automatic rakes require some change of parts to vary the operation; or, a rake once allowed to pass as a gatherer, the bundle must be carried until the arm set as a rake comes around.

MOWERS & HARVESTERS.

ADRIANCE PLATT & CO.

Changeable Speed.

IF rendered desirable by the character of the grain or gait of team to increase or diminish the speed of the rakes or the distances at which gavels are automatically delivered, it is only necessary to use the larger or smaller of the two extra sprocket wheels furnished with each machine.

Platform and Position of Rake.

ON these depends the proper delivery of gavel. The Rake Gearing on the **Adriance** is located high above the frame and farther from the Cutting apparatus than on any other reaper, obviating the tendency to wind up long grain, and allowing a long rake arm and larger platform, with ample throat-way for delivery; securing a better delivery of the grain on the platform, and permitting it to be fully turned and straightened and delivered in gavel without being crossed by striking stubble too quickly, as it is from small platforms. The sweep of the Rakes can be varied, if required, by extremes in the length of the grain, or to secure the best work on side hills.

Balance.

NO weight comes upon the necks of the horses. As the whole machine swings from the axle of the drive wheel, when in operation, the balance is perfect, and when folded the Reaper is just as perfectly balanced by the use of the Tilting lever.

Portability.

THE **Adriance** is a **practicable Folding Reaper**. One person, in a few minutes, can fold the platform and reduce the width of the Reaper to that of a folded mower; neither Knife nor Connecting Rod has to be disturbed, and the parts used in folding are always carried on the machine.

One Rake Arm and Inner Divider, the **only two** pieces removed from their places when platform is folded, are securely carried, as shown in cut. The folded Reaper can travel on the road or in narrow lanes as easily and safely as a mower, saving time, and wear and strain of the machine.

In the **Adriance Reaper** the **hinge is not in the Cutter Bar**, which is rigidly attached when the machine is in operation.

By the use of the patent folding foot-rest and removable seat, the width of the Reaper can in a moment be made less than nine feet, for passing through narrow gates without folding the platform. When both the platform and foot-bar are folded, the width is reduced to about **four feet**.

Comfort and Safety of Driver.

THE Driver's Seat is exceptionally accessible and comfortable. From it he has the work all in sight, controlling levers convenient to hand or foot, and is removed from any risk of contact with rakes or gearing.

MOWERS & HARVESTERS.

ADRIANCE, PLATT & CO.



ADRIANCE REAPER ON THE ROAD.

Some other Advantages of the Adriance Reaper are:

THE wide space for the off-horse, whereby **full five-foot swath** can be cut without crowding.

The **ease of removing the Knife**,—an operation so troublesome on many reapers.

The **very compact** way in which the Reaper can be folded for storage, without taking it apart.

The driving and platform wheels are nearly in a direct line, and move together when turning, obviating all danger of running the grain down, and cutting a full swath when working on a side hill, which cannot be done when a caster-wheel is used.

The platform is made of the **best material**, put together in the most substantial manner, greatly surpassing in strength and durability those made of cheap, poorly-fitted stuff, covered with thin sheets of metal.

The **superior finish** and **excellence of material and workmanship**, in both wood and iron parts, are evident to any observer.

PL 144. **MOWERS & HARVESTERS.**

ADRIANCE PLATT & CO.

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 mowing or reaping machine 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.

Extras Furnished with Machines.

EACH Machine is furnished with Two Complete Scythes (or for Reapers, sickles if preferred), 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 and Warehouse at New-York are convenient and accessible to all parts of our home market, and supplies of our extras are kept 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**.

The Knife Sections used are made at our own Factory. The quality of the steel and the peculiar methods by which they are tempered secure a degree of uniform excellence not to be found in others.

All of our genuine Knife Sections are stamped A. P. & Co., and packed in boxes with our name on label.

MOWERS & HARVESTERS

ADRIANCE PLATT & CO.

Pronounced the Best in all parts of the World.

From the innumerable honors won by our machines, our limited space permits only the mention of a few, which serve to show that their superiority is everywhere acknowledged.

They were awarded First Prizes

From New-York State Agricultural Society, at Grand Field Trial in 1866.
 At the great Vienna World's Fair in 1873.
 At Bremen International Exposition in 1874.
 From Royal Agricultural Society of Sweden in 1874.
 From National Agricultural Society of Switzerland in 1875.
 At United States Centennial Exhibition in 1876.
 From Russian Imperial Agricultural Society in 1877.
 At International Exposition at Sydney, New South Wales, in 1880.
 From Royal Agricultural and Horticultural Society of South Australia, at Great Field Trial in 1884.
 At Grand Field Trial at Mantes, near Paris, France, in 1885.
 From National Agricultural School of France, at Great Field Trial in 1886.

Our Machines were Exhibited at but few Fairs of 1887.

That they continue to stand at the head

IS SHOWN BY THE

FIRST PREMIUMS.

Connecticut State Two First Premiums.
 New Jersey State Three First Premiums.
 Orange County, New-York Two First Premiums.
 Rensselaer County, New-York First Premium.
 Queens County, New-York Two First Premiums.
 Westchester County, New-York First Premium.
 Delaware County, New-York Two First Premiums.
 Montgomery County, New-York First Premium.
 Fulton County, New-York First Premium.
 Otsego County, New-York First Premium.
 Deposit, Broome County, New-York First Premium.
 Cobleskill, Schoharie County, New-York Two First Premiums.
 Oneonta, Otsego County, New-York First Premium.
 Greene, Chenango County, New-York First Premium.
 Rutland County, Vermont First Premium.
 Franklin County, Vermont First Premium.
 Norwalk, Fairfield County, Connecticut First Premium.
 Watertown, Litchfield County, Connecticut First Premium.
 Berks County, Pennsylvania Three First Premiums.
 Westmoreland County, Pennsylvania Three First Premiums.
 Canton, Bradford County, Pennsylvania First Premium.
 Woodcock, Crawford County, Pennsylvania Three First Premiums.

PL. 77. **MOWERS & HARVESTERS.**