

→ 1882 ←

ADRIANCE, PLATT
& CO

• MANUFACTURERS OF THE •

ADRIANCE
MOWER

• • • • • AND THE • • • • •
ADRIANCE REAPER

• NO. 165 GREENWICH ST. NEW YORK. •
• MANUFACTORY, POUGHKEEPSIE, N. Y. •

ADRIANCE PLATT & CO.

IN
GERMANY,
HOLLAND,
NORWAY,
SWEDEN.
BELGIUM,
IRELAND,
AUSTRALIA.

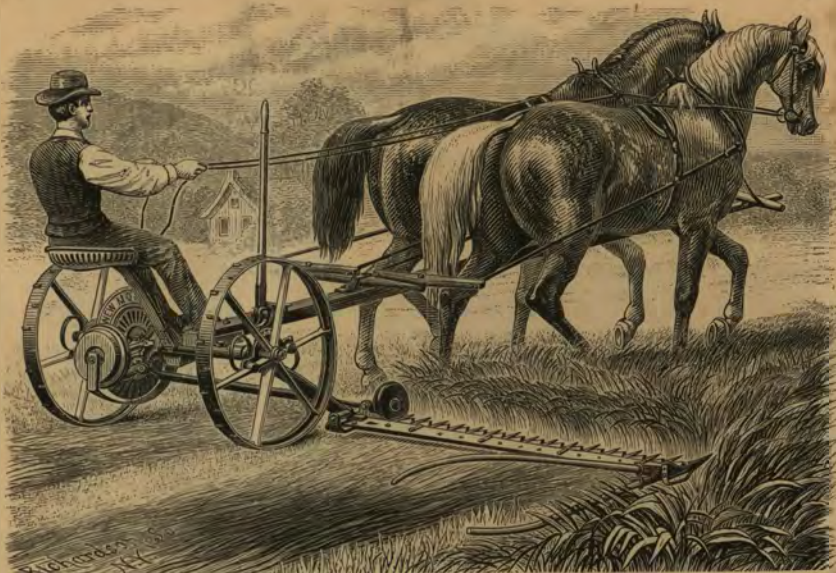


HIGHEST HONORS AWARDED

ITALY,
RUSSIA,
FRANCE,
SWITZERLAND,
AND
ALL PARTS OF THE
UNITED STATES.



⌘ MOWERS & REAPERS ⌘



ADRIANCE MOWER AT WORK.

165 Greenwich St., N. Y., March 1st, 1882.

AN UNPRECEDENTED SALE.

THE season of 1881 was the most favorable for the sale of Mowers and Reapers that has been known for several years throughout most of the States supplied by us, and, as heretofore, a large proportion of the farmers insisted on having machines of our build. In our efforts to meet this unprecedented demand, we succeeded in

Increasing our product of Machines 70 per cent.

above the large average of our sales for the preceding ten years, but still **fell far short of filling our orders**, and were compelled to disappoint many farmers.

MACHINES FOR 1882.

In the machines we are building for 1882, we will maintain the **high standard of excellence** in material and workmanship which have always been distinguishing features of our manufactures.

❖ MOWERS & REAPERS ❖

ADRIANCE REAPER.

All of our **Adriance Reapers** will be made with the **Folding Foot Bar** and removable seat, by the use of which the width of machine can be instantly reduced to **less than nine feet**, for passing through narrow bars without folding the platform. The machine can be put in a **very compact shape for storage** by folding both the platform and foot bar, when it **only requires space of about four feet**.

Our **Adriance Reaper** has given such entire satisfaction, and is so generally recognized as the **Standard Light Reaper**, that we have no further changes to announce in it.

ADRIANCE MOWERS.

Our Mowers will all be made with the **New Front Brace**, which **completely protects the Connecting Rod** from being injured by coming in contact with rocks or stumps.

Our peculiar system of Bracing **has prevented any sagging back of the outer end of the Cutter Bar**, but farmers who have experienced this difficulty **on other mowers, where it is so generally to be found**, will be favorably impressed with the nut and screw thread on end of our new front brace, by means of which the outer end of cutter bar can be so easily drawn forward.

TESTIMONIALS.

The space required to print even the briefest extracts, from the great numbers of testimonials of the excellence of our machines sent us by purchasers, prevents our making use of them, and we must refer farmers to their neighbors who are using machines of our build.

ORDER EARLY.

We hope to be able to build machines enough to meet the demand, but those who wish to avoid any risk of disappointment should **order early**.

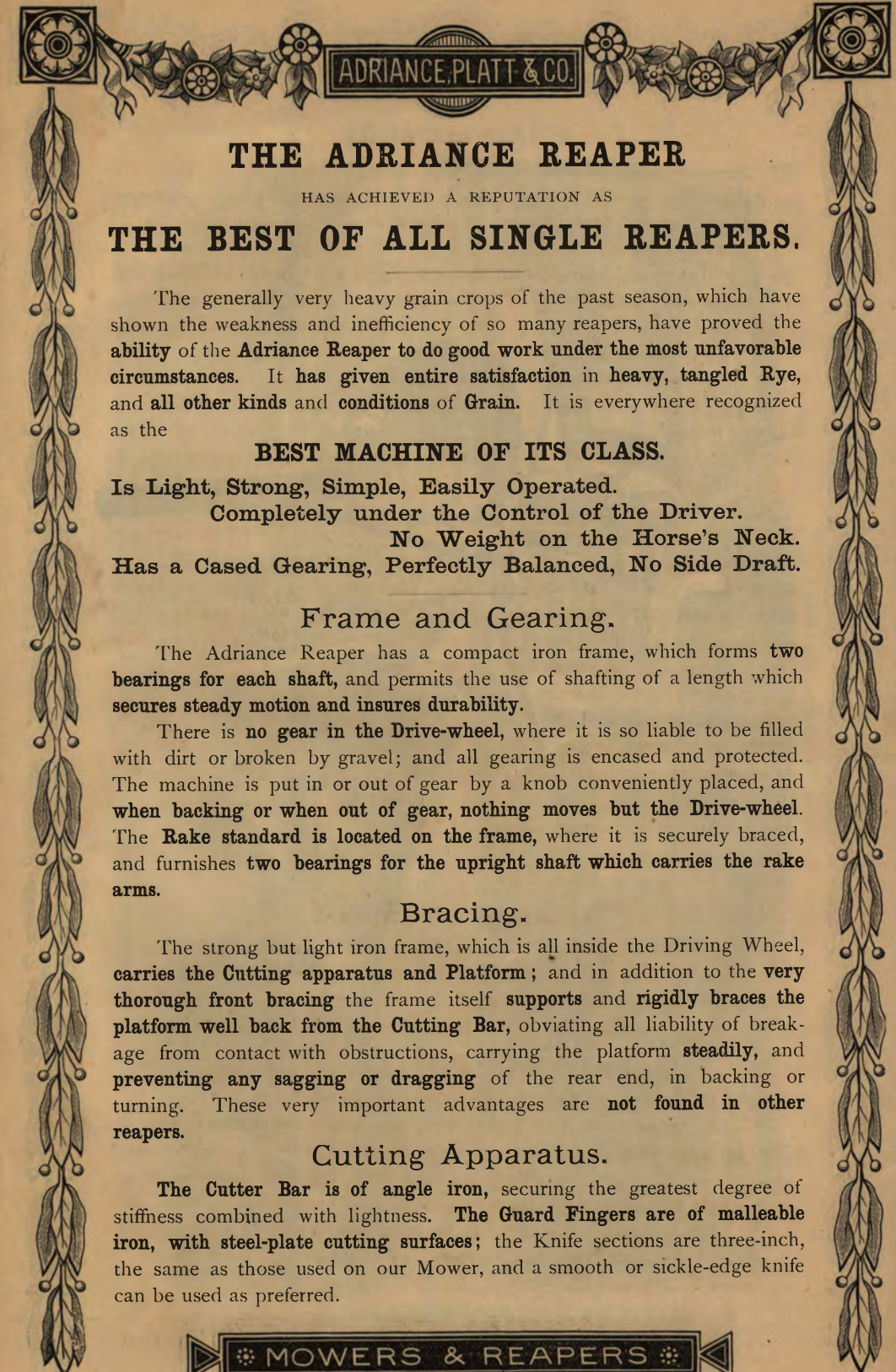
ADRIANCE, PLATT & CO.

❖ MOWERS & REAPERS ❖



ADRIANCE REAPER AT WORK.

MOWERS & REAPERS



ADRIANCE, PLATT & CO.

THE ADRIANCE REAPER

HAS ACHIEVED A REPUTATION AS

THE BEST OF ALL SINGLE REAPERS.

The generally very heavy grain crops of the past season, which have shown the weakness and inefficiency of so many reapers, have proved the **ability** of the **Adriance Reaper** to do good work under the most unfavorable circumstances. It has given entire satisfaction in heavy, tangled Rye, and all other kinds and conditions of Grain. It is everywhere recognized as the

BEST MACHINE OF ITS CLASS.

Is Light, Strong, Simple, Easily Operated.

Completely under the Control of the Driver.

No Weight on the Horse's Neck.

Has a Cased Gearing, Perfectly Balanced, No Side Draft.

Frame and Gearing.

The Adriance Reaper has a compact iron frame, which forms **two bearings** for each shaft, and permits the use of shafting of a length which **secures steady motion and insures 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 put in or out of gear by a knob conveniently placed, and **when backing or when out of gear, nothing moves but the Drive-wheel.** The **Rake standard** is located on the frame, where it is securely braced, and furnishes **two bearings** for the upright shaft which carries the rake arms.

Bracing.

The strong but light iron frame, which is all inside the Driving Wheel, **carries the Cutting apparatus and Platform**; and 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 from contact with obstructions, 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.**

Cutting Apparatus.

The **Cutter Bar** is of **angle iron**, securing the greatest degree of stiffness combined with lightness. The **Guard Fingers** are of **malleable iron**, with **steel-plate cutting surfaces**; the Knife sections are three-inch, the same as those used on our Mower, and a smooth or sickle-edge knife can be used as preferred.

❖ MOWERS & REAPERS ❖

Great Range of Work.

The crank-like connection of the frame to the axle of the Drive-wheel, **peculiar to our Reaper**, permits the Cutting apparatus to be **easily set in any desired position**, and the **height of cut can be greatly varied**. All parts are raised or lowered in unison without change of relative positions; so that the **Connecting Rod and Knife are always in same line**, and the **stroke is never varied**. The platform can also, by means of a lever at the driver's right hand, be very **easily, quickly, and evenly tilted** while the machine is in operation, to cut lodged or short grain or grass-seed. By this **perfect control of the platform**, 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.

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 smaller or larger of the two extra sprocket wheels furnished with each machine.

Platform and Position of Rake.

On these depend 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.

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 about that of a folded mower; **neither Knife nor Connecting Rod have to be disturbed**. Very few changes are required, and the few parts needed to fold or unfold 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 both carried firmly and securely, as shown in cut. When folded, the Reaper is **perfectly balanced** by use of the tilting lever, and 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.

It must be borne in mind that in the **Adriance** 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 **easily accessible** and very **comfortable**, being without side-spring. 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.

Among the OTHER ADVANTAGES of the ADRIANCE REAPER are:

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

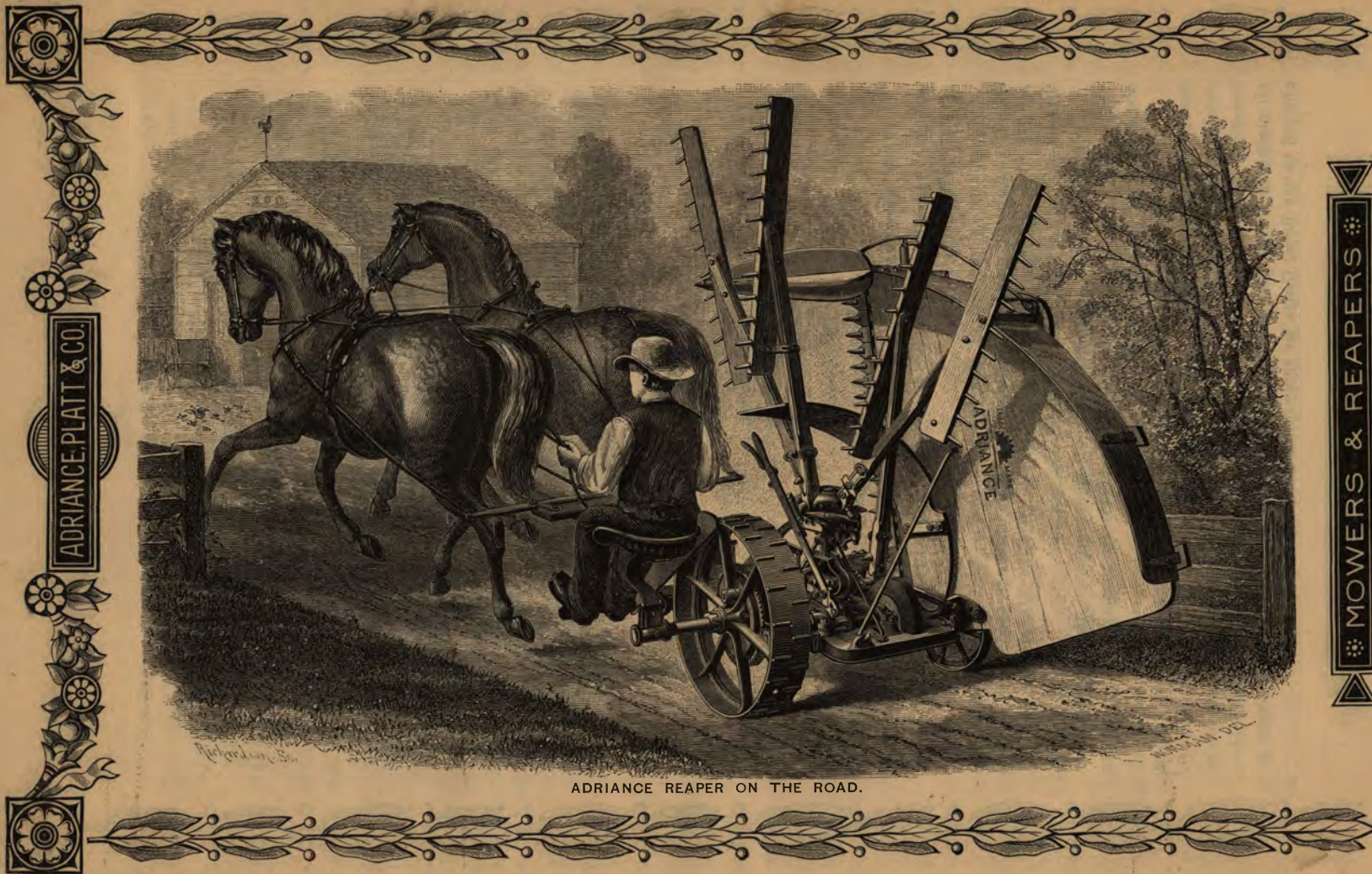
The **ease of removing the Knife**—an operation so troublesome on many reapers.

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

The driving and platform wheel 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.

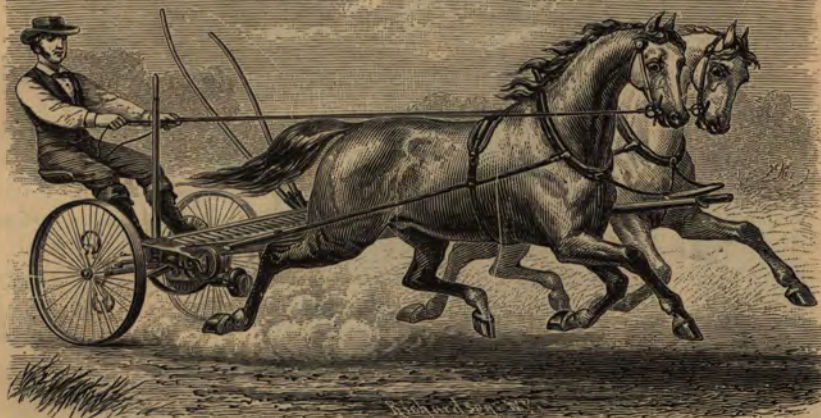
The **superior finish** and **excellence of material and workmanship**, in both wood and iron parts, are **evident to any observer**.



ADRIANCE, PLATT & CO.

MOWERS & REAPERS

ADRIANCE REAPER ON THE ROAD.



ADRIANCE MOWER ON THE ROAD.

The Adriance Mower.

The principles originally introduced in these machines are the **only** ones that have proved **permanently successful**, and for **twenty-five years** they have taken the lead in all parts of the world where they have been sold.

Frame and Gear.

THE ADRIANCE MOWER has a **Tubular Iron Frame** of great strength and simplicity, which is made in **one piece**, and dispenses almost entirely with bolts.

Our original method of **Gearing** is unapproached in **simplicity** and sound mechanical principles. **Only four cog-wheels** are used, which are all carried high up from the ground, while the **Driving Wheels** are like the wheels of a cart, entirely clear from all cog gearing.

Machines which use **planetary** and other forms of **multiplying gear** will be found to have **six or eight cog-wheels** to accomplish the results obtained in the **Adriance** with four.

The **first or slow motion** is obtained by **Bevel Gears**, and the **quick motion** by **Spur or Straight-cut Gears**. As it is a fact well known to mechanics that **spur gearing** is best adapted for **high speeds**, running more smoothly and truly, the **Adriance** has a great advantage in this respect over all machines which get their first, slow motion from spur gearing, and are obliged to use **Bevel Gears** for their quick motion.

The **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**.

The gearing is **very compact, thoroughly protected, and very accessible**, and **any separate piece can be replaced at small expense or trouble**.

The **Gear** is all placed at the corner of the machine which is farthest removed from the cutting apparatus, balancing the machine, and obviating side draft.

All Weight used for Power.

The **Power** which operates a mowing machine is all derived from the **Driving Wheels**, and consequently all the weight placed on them is used, while **any weight which they do not carry must be a drag to the machine, making friction and increasing draft**. In the Adriance, the whole weight of the gearing, frame, and driver is carried on the **Driving Wheels**, and none of it is wasted. The **Cutter Bar**, being attached to the frame by a double-jointed coupling, adapts itself to all varieties of surface, independent of the movements of the frame.

Bracings.

The **Cutter Bar** is attached to the frame of the machine by a wrought-iron coupling piece, hinged at both ends, and is **strengthened by two braces**, one of which holds the forward end of the Inside Shoe firmly in its place, and **protects the Connecting Rod from coming in contact with rocks or stumps**; the other is a diagonal brace, extending to the ear end of the machine, where it is hinged in a direct line with the inner joint of the coupling piece. **This method of bracing enables the Cutter Bar to withstand the severe shocks which result from unexpected contact with an obstruction, and prevents any sagging back of the outer end of Cutter Bar.**

Pawls and Ratchets.

Ratchet wheels are keyed fast to the main axle, and the pawls which work into the ratchet teeth are held either in or out of gear by the simplest form of a flat steel spring, and are **not hidden from view, but always accessible**. When out of gear, the wheels turn independently on the axle, and **none of the gearing is moved**.

The **two Spring Pawls on each Driving Wheel** are so adjusted that when the machine is moved forward **one must always be in gear, and it is impossible for the Driving Wheel to make a perceptible forward movement without instantly giving motion to the knives**.

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 height of stubble.

Leading Wheel.

The **Leading Wheel** attached to the Inner Shoe entirely prevents the loose grass, over which it must frequently pass, 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 ridges.

Cutting Apparatus.

The **Adriance** has a light Cutting apparatus, and a three-inch Knife section. The **Guard Fingers** are of malleable iron, fitted with a Steel Plate of the same temper as the Knife section, and are attached to the Cutter Bar by a Single Bolt. By the use of malleable iron, the greatest degree of strength is obtained, together with the graduated angle exactly adjusted to the angle of the Knife section, which secures the perfect drawing shear cut impossible to obtain from any wrought guard finger.

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 steel finger plates. This method of supporting the knife also allows ample clearance under the knife rod to avoid the collection there of gum and dirt.

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.

Connecting Rod.

The Crank Balance always remains in the same perpendicular position, so that both ends of the Connecting Rod are always in a direct line, and its movements are invariably steady and uniform.

The Connecting Rod and Double-jointed Coupling always move in unison, and the throw of the Knife through the Guard Finger is never varied by the rising or falling of the Cutter Bar.

The inner end of Connecting Rod is attached to the Crank Balance by an adjustable composition box, which is easily tightened up as it wears. This box is firmly secured by double nuts, which are rigidly held by a very simple locking device. The end of the Connecting Rod which fits into the eye of the Scythe is held firmly in its place by a flange on the Inside Shoe, and no keys, nuts, ratchets, springs, or other insecure and troublesome devices, are used.

The speed at which the Connecting Rod of a mowing machine has to move renders it of the greatest importance that it should be firmly attached at both ends; and that the greatest possible degree of directness, steadiness, and uniformity should be given to its movements. For these reasons, no manufacturer would use knuckle joints, or other loose or shakly connections for the Pitman, unless compelled to do so by the mechanical imperfections of his machine.

Portability.

The Cutting apparatus folds squarely over and on to the machine, where it rests firmly and securely, with the weight evenly balanced, and unaffected by any jarring in traveling over a rough road. 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, make this the only machine perfectly fitted for traveling on the road.

Full Length of Cut.

The inner end of the Cutter Bar is outside of the line of the Driving Wheel, leaving a sufficient space between the pole and Cutter Bar to allow the bar to cut its full width, without driving the off-horse in the standing grass, while other machines have their bars attached inside the line of the Driving Wheel, so that the Knife sections on the inner end never cut any grass.

On this account, several inches more cut is secured than on machines which do not allow sufficient room for the off-horse, and which cannot possibly cut a full width of swath without driving into the standing grass.

Front Cut and Levers.

The Driver's Seat is at the rear of the machine, and is adjustable to accommodate the weight of the driver, so that he always balances the pole, and there is no weight on the horses' necks.

The Cutter Bar is at the front of the machine, and the driver, having all his work before him, sees the working of the Cutters without having to turn away from his team.

To pass Obstructions, a lever, which is very easily and conveniently handled by the driver, raises both ends of the cutting apparatus as high as the frame of the machine.

To throw in or out of Gear, a lever is placed at the side of the driver, by which he can instantly stop or start the gearing.

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.

Styles and Sizes.

The **Adriance Mower** is made in **two sizes** :

Size B cuts a swath of 4 feet 3 inches.

Size A cuts a swath of 4 feet 6 inches.

The **Adriance Reaper** cuts a swath of 5 feet.

Each Mower is furnished with Two Complete Scythes, Two Extra Knife Sections, Two Extra Guard Fingers, Rivets, Bolts, &c.

Each Reaper is furnished with Two Complete Scythes (or sickles if preferred), Two Extra Knife Sections, and Two Extra Guard Fingers, Rivets, Bolts, &c.

Screw Wrench, Punch, Cold Chisel, Oil Can, and Whiffletrees and Neck Yoke furnished with each Machine.

Repairs.

Convenience and certainty of procuring fixtures for repairs are very important points for a farmer to consider when selecting a machine, as many who have been induced to purchase machines made at distant points, or by some short-lived concern, find to their sorrow, when their **machines break down in the harvest-field**, and it is either impossible to procure fixtures to repair them, or the time consumed in obtaining them is so great that the crop is lost. 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 **Adriance 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.

Get the Genuine.

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

ADRIANCE, PLATT & CO.



ADRIANCE MOWER.

MOWERS & REAPERS

At almost every Fair where exhibited and
where any Award was made, the

Merits of both our Mowers and Reapers

HAVE BEEN RECOGNIZED BY

AWARDS OVER ALL OTHER MACHINES.

The ADRIANCE MACHINES received

FIRST PREMIUMS

From the following Agricultural Societies in

1881:

Connecticut State at Meriden.

New Jersey State at Waverly.

Maryland State at Pimlico.

St. Lawrence Co.....	Canton, N. Y.
Jefferson Co.....	Watertown, N. Y.
Montgomery Co.....	Fonda, N. Y.
Schoharie Co	Central Bridge, N. Y.
Fulton Co..	Johnstown, N. Y.
Saratoga Co.....	Saratoga, N. Y.
Hobart	Stamford, N. Y.
Rockland Co.....	Spring Valley, N. Y.
Steuben Co	Bath, N. Y.
Trumansburg.....	Tompkins Co., N. Y.

❁ MOWERS & REAPERS ❁

Towanda Valley D. P. & A. Ass'n....Attica, Wyoming Co., N. Y.
 Rockland Co. Industrial Association.....New City, N. Y.
 Housatonic Agric'l Soc'y.....New Milford, Litchfield Co., Conn.
 WatertownWatertown, Conn.
 Milford & Orange Agric'l Soc'y ...Milford, New Haven Co., Conn.
 Fairfield Co.....Norwalk, Conn.
 Ridgefield.....Ridgefield, Conn.
 Danbury.....Danbury, Conn.
 Berkshire Co.....Pittsfield, Mass.
 Champlain Valley.....Vergennes, Vt.
 RupertWest Rupert, Vt.
 OrwellOrwell, Vt.
 Sussex Co.....Newton, N. J.
 Warren Co.....Belvidere, N. J.
 Hunterdon Co.....Flemington, N. J.
 Berks Co.....Reading, Pa.
 York Co.....York, Pa.
 Lycoming Co.....Jersey Shore, Pa.
 Centre Co.....Bellefonte, Pa.
 Cumberland Co.....Carlisle, Pa.
 Dauphin Co.....Harrisburg, Pa.
 Susquehanna Co.....Montrose, Pa.
 Bradford Co.....Troy, Pa.
 Wayne Co.....Honesdale, Pa.
 Delaware Co.....Greenwood Station, Pa.
 Easton Mechanics & Farmers Inst..Easton, Northampton Co., Pa.
 Tioga Co. Agricultural, Mech. and Ind. Society...Mansfield, Pa.
 LeechburgLeechburg, Armstrong Co., Pa.
 Harford Co.....Belair, Md.
 Cecil Co. (Honorable Mention).....Elkton, Md.
 Baltimore Co.....Timonium, Md.
 Washington Co.....Hagerstown, Md.
 Berrien Co.....St. Joseph, Mich.

**THE FIRST PREMIUM GRAND GOLD MEDAL of
The United States Agricultural Society,**

Won by the Original of our Machine at the Great Syracuse Field Trial of 1857, was the forerunner of innumerable honors and awards of the Highest Grade, which would take too much space to enumerate.

Among these are included the **Highest Awards** from the **State Agricultural Societies** of NEW-YORK, NEW JERSEY, PENNSYLVANIA, NEW ENGLAND, CONNECTICUT, VERMONT, OHIO, VIRGINIA, MARYLAND, INDIANA, NORTH CAROLINA, MICHIGAN, TENNESSEE, KENTUCKY, MISSOURI, LOUISIANA, IOWA, TEXAS, NEBRASKA, and CALIFORNIA.

**THE HIGHEST PRIZE GRAND GOLD MEDAL of
New-York State Agricultural Society,**

At the GREAT NATIONAL FIELD TRIAL, held at AUBURN, N. Y., in 1866.

**TWO FIRST PREMIUM GRAND MEDALS OF MERIT at the
Great Vienna World's Fair in 1873.**

**FIRST PREMIUM GRAND GOLD MEDAL from the
Royal Agricultural Society of Sweden, 1874.**

**HIGHEST PRIZE GRAND GOLD MEDAL at
Bremen International Exposition, 1874.**

**FIRST PREMIUM GRAND GOLD MEDAL from
Nat'l Agricult'l Society of Switzerland, 1875.**

**FOUR FIRST PREMIUM MEDALS at the
United States Centennial Exhibition, 1876.**

**FIRST PREMIUM from
Russian Imperial Agricultural Society, 1877.**

**HIGHEST AWARD from
International Exposition at Sydney,**

NEW SOUTH WALES, 1880.

In the few States where the Adriance Machines competed at Exhibitions in 1881, they received 68 First Premiums.

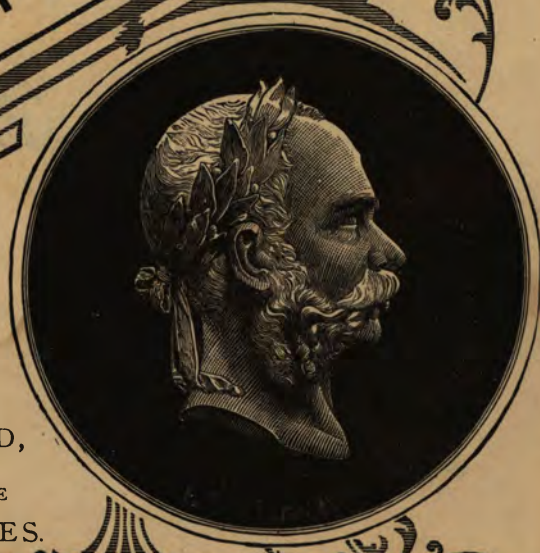
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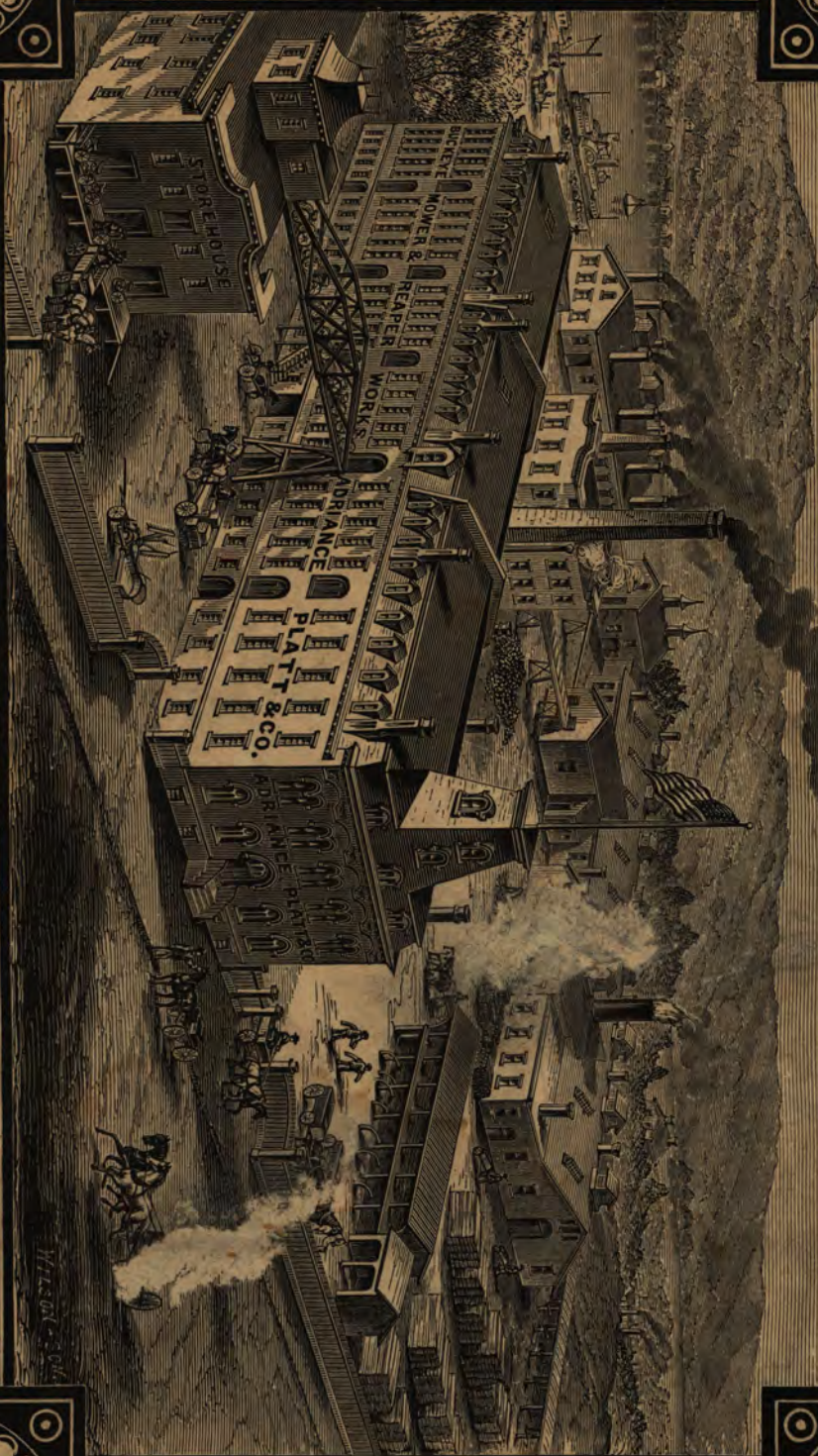
HIGHEST HONORS AWARDED



ITALY,
RUSSIA,
FRANCE,
SWITZERLAND,
AND
ALL PARTS OF THE
UNITED STATES.

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