

Order 10
ADRIANCE.

PLATT & CO.

Makers of

MOWERS

Buckeye Works.

& REAPERS.

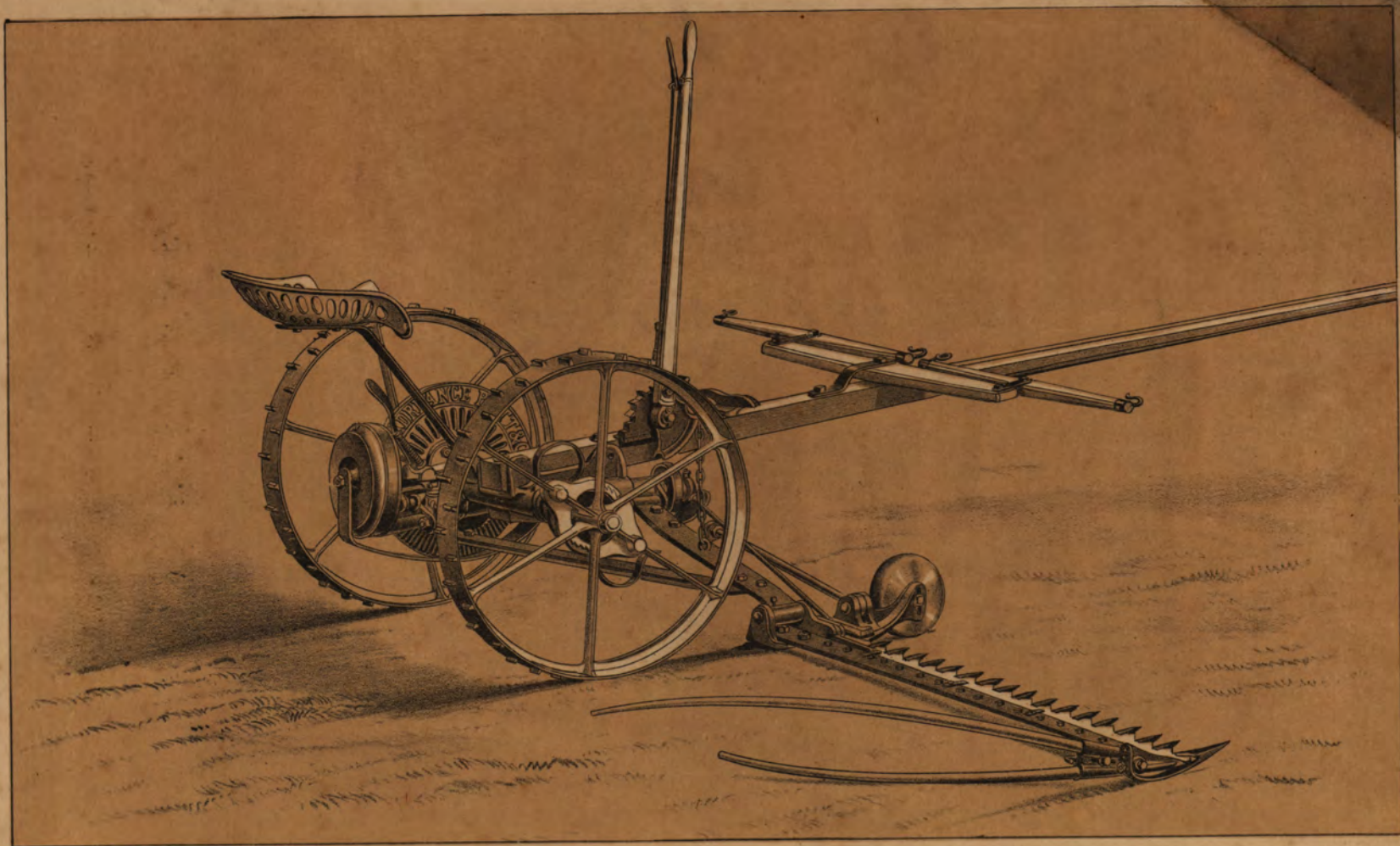
*Poughkeepsie.
N.Y.*

Office No 165 GREENWICH ST.
NEW YORK.

JAS. PATTERSON,

AGENT,

WEST WINFIELD, NEW-YORK.





Space permits only a brief reference to a few of the MANY
HUNDREDS of Highest Honors awarded from the lead-
ing Agricultural Societies and at all the prin-
cipal Field Trials of the World.

BOTH FIRST PRIZES.

Gold Medal for our Adriance Reaper,
Vermeil Medal for our Mower,
At the Grand Field Trial at Mantes, near Paris, France, 1885.

FIRST PRIZE Silver Medal and £5 from

Royal Agricult. and Horticult. Society of South Australia,
At the Great Field Trial at Salisbury..... 1884.

HIGHEST AWARD from

International Exposition at Sydney, New South Wales.. 1880.

FIRST PREMIUM from

Russian Imperial Agricultural Society..... 1877.

FOUR FIRST PREMIUM MEDALS at the

United States Centennial Exhibition 1876.

FIRST PREMIUM Grand Gold Medal from

National Agricultural Society of Switzerland 1875.

HIGHEST PRIZE Grand Gold Medal at

Bremen International Exposition 1874.

FIRST PREMIUM Grand Gold Medal from the

Royal Agricultural Society of Sweden 1874.

TWO FIRST PREMIUM Grand Medals of Merit

At the Great Vienna World's Fair 1873.

The HIGHEST PRIZE Grand Gold Medal of

New-York State Agricultural Society,
At the Grand Field Trial at Auburn..... 1866.

The FIRST PREMIUM Grand Gold Medal of

The United States Agricultural Society,
At the Great Field Trial at Syracuse..... 1857.



Some of the reasons why the Farmers prefer the
Adriance Buckeye to all other Mowers:

- † —
- It is the most simple;
 - Contains fewer parts;
 - Is the best braced and strongest;
 - Has fewer and better bearings;
 - A less number of places for oiling;
 - All its parts are in sight and easily understood and kept in order by the ordinary farm hand.
 - It is built on correct mechanical principles;
 - Has 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.
 - Has the most perfect cutting apparatus;
 - No loose connections or knuckle-joints;
 - Cuts a swath the full length of the Cutter Bar without driving the off-horse in the standing grass.
 - It is perfectly adjustable to any work.
 - All its weight is utilized for power.
 - The horses draw directly from the axle, and no weight comes on their necks.
 - It is the Lightest Draft.
 - It is perfectly balanced.
 - Easiest to operate.
 - Excels all others in portability.
 - The Cutter Bar folds firmly, and flat across the frame.
 - The most comfortable and the safest for the driver;
 - Only the best material and workmanship are used in its construction.
 - It requires fewer repairs;
 - Extra parts are more easily obtained.
 - It has the longest and best record.
 - Its average life is double that of others.
 - The majority of the Farmers use it wherever sold.



ADRIANCE BUCKEYE MOWER AT WORK.

The Adriance Buckeye Mower.

A STEADILY augmented measure of success for **twenty-eight years** attests the soundness of the principles described below, which continue to commend our machines to every intelligent farmer.

Frame and Gear.

THE **ADRIANCE BUCKEYE MOWER** has a **Tubular Iron Frame** of great strength and simplicity, which is made in **one piece**, and 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 attained; impossible to be found in any other mower made.

Our methods of Gearing are unequalled 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, and very accessible, and any separate piece can be replaced at small 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 obviating side draft.

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. The **Adriance Buckeye** has a great advantage in this respect over all machines with drooping frames hinged about the axle, the undulating movements of which on uneven ground cause irregularity in the motion of the gearing, and a liability to "clogging."

All Weight Used for Power.

THE Power which operates a mowing machine is all derived from the Driving Wheels, and all the weight placed on them is used, while any weight which they do not carry must cause friction and increase draft. In the **Adriance Buckeye Mower** the whole weight of the driver, the gearing, frame, pole, etc., is carried on the Driving Wheels, and fully utilized.

Cutting Apparatus.

THE **Adriance Buckeye Mower** has a light 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, formed with the angle exactly adjusted to the angle of the Knife section to secure the perfect shear cut essential for continued good work. The plates are securely riveted to the Guard Finger and cannot become loose, and all 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 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.

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.

Adaptation to any Surface.

THE Cutter Bar is attached to the frame of the machine by a wrought iron coupling piece, hinged at both ends, and adapts itself to all varieties of surface, independent of the movements of the frame.

Firm Bracing and Hinges.

IN addition to the Coupling piece, a wrought iron brace holds the forward end of the Inside Shoe firmly, and protects the Connecting Rod; and a diagonal brace extends to the rear end of the machine, 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.



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.

Full Length of Cut.

THE Cutter Bar of the **Adriance Buckeye** is at the front; its inner end being outside of the line of the Driving Wheel, allows the scythe to cut its full width, while 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 this account several inches more cut is secured by the **Adriance Buckeye** than by other machines having bars of the same length.

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 successfully used on other mowers which lack our long hinges to the cutting apparatus.

Light Draft.

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 are liable to cause the bar to jump and leave an uneven stubble.

On the **Adriance Buckeye** the couplings reach the bar by drooping **sidewise** 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. The draft is directly from the axle, never affecting the action of the cutting apparatus and **avoiding all possibility of weight on the horses' necks**, as the Driver's seat at the rear of the machine is adjustable to his weight, so that he always balances the pole. These peculiar features, with the perfection in principles and construction of the gearing and cutting apparatus, secure absolutely the **lightest possible draft ever attained on any Mower**.

Pl. 137.

MOWERS & REAPERS

8



ADRIANCE PLATT & CO.

ADRIANCE BUCKEYE MOWER.

Levers and Front Cut.

CONTROLLING Levers are placed **very conveniently** for the driver, and are **very easily handled**.

The **Cutter Bar** being before him, the driver sees the work, and can properly operate the Levers without turning away from his team.

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

The **Gear Shifter Lever** starts or stops the gearing **instantly**, and can be operated by either the hand or foot.

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 and **Double-jointed** Coupling always move in unison, and the cutting stroke of the Knife through the Guard Finger is **never impaired** by the rising or falling of the Cutter Bar.

The inner end of the Connecting Rod is attached to the Crank Balance by a composition box, firmly secured by locked nuts, easily tightened up as it wears. The end of the Connecting Rod 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.

The high speed of the Connecting Rod requires the greatest directness, steadiness, and uniformity in its movements. 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.

Pawls and Ratchets.

THE pawls on the drive wheels are held either in or out of the ratchet wheels, keyed fast to the main axle, by a flat steel spring, **not hidden** from view, but always accessible. When out of gear, 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**.

Portability.

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, makes this the only machine perfectly fitted for traveling safely on the road.



Some of the reasons why the Farmers prefer the
Adriance Reaper to all others:



- It combines the greatest strength with lightness.
- Has a large, broad Drive-wheel free from Gearing.
- The gearing is very simple.
- Easily understood, and kept in order.
- Is the only Reaper having a frame which fully meets all requirements of bracing and gearing.
- Every shaft has two bearings.
- It is the most thoroughly braced Reaper in the market.
- Has the strongest and best cutting apparatus.
- Is the only Reaper with Crank connection of Frame to Drive-wheel, giving it the largest range of work and greatest facility for passing obstructions.
- The working parts are always in the same relative position.
- The Rake can be adjusted to the greatest variety of automatic work, and yet each arm is always under the driver's control.
- The driver, by a slight pressure of his foot, can deliver a gavel just where he pleases, no matter how the rakes may be set.
- Any one can see just how it works.
- It has the easiest, smoothest-working Rake.
- The reeling and delivery of grain can be adapted to side-hills or levels.
- The speed of rakes can be varied.
- It has the best located Rake-gearing.



Some of the reasons why the Farmers prefer the
Adriance Reaper to all others:

(CONTINUED.)



- It has the longest Rake-arm, and
- The largest platform on which to straighten the gavel.
- Carries the platform most steadily.
- It delivers the most perfect gavel.
- It makes the most thorough separation.
- Leaves most room for the Machine on the next round.
- Has ample room for the team.
- It is perfectly balanced.
- Easily tilted to secure lodged grain.
- It is the only real practicable Folding Reaper.
- The folding hinge is not in the cutting apparatus.
- Only two pieces detached when folded.
- The Seat and Foot Bar can be instantly folded for passing through narrow gates.
- It will pass through a 4-foot gate, when both seat and platform are folded.
- Balances perfectly when folded.
- Can be stored away folded, and made ready for work in a few minutes. No danger of lost parts.
- It is the most comfortable for the operator.
- All the work is under his eye.
- It is very easy to operate.
- It is the best finished.
- It will outlast any other.
- It is of very light draft.
- It does the best work.
- It requires fewer repairs.
- Extra parts are more easily obtained.



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 1886 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.

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.

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.



ADRIANCE REAPER ON THE ROAD.

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 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.



Styles and Sizes.

The **Adriance Buckeye Mower** is made in three sizes:

Size C (for one horse) cuts a swath of 3 feet 3 inches.

Size B cuts a swath of 4 feet, or 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, etc.

Each **Reaper** is furnished with Two Complete Scythes (or sickles, if preferred), Two Extra Knife Sections, and Two Extra Guard Fingers, etc.

Screw Wrench, Punch, Cold Chisel, Oil Can, Bolts, Rivets, etc., and Whiffletrees and Neck Yoke, furnished with **each** Mower or Reaper.

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

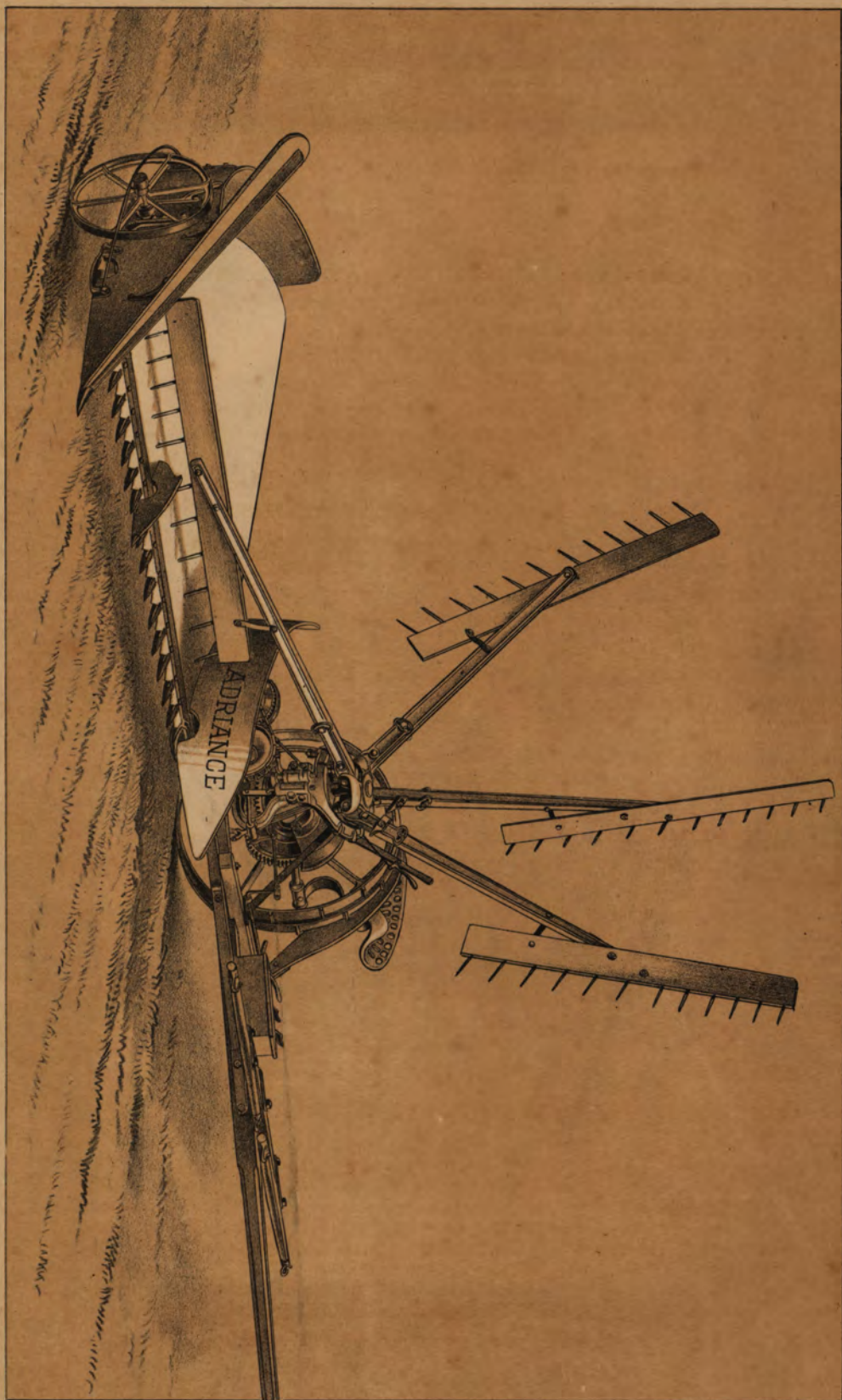
Any Payment that has been made will be REFUNDED,
or a perfect machine will be given in its place, at the option of the purchaser. Continued possession of the machine will be evidence of satisfaction.

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 **Adriance Buckeye** 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.

Caution against Imposition.

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



Я

Д

Р

І

Ѧ

Ѳ

Ѣ

Ѥ

К

Ѧ

Р

Л

Ѧ

Т

Т

Ѣ

Ѣ

О

