

1881.

CATALOGUE.

BRADLEY & COMPANY

SYRACUSE, N. Y.

FOR SALE BY

BRADLEY & COMPANY,

—MANUFACTURERS OF—

REAPERS,

MOWERS,

HAY RAKES.

SYRACUSE, N. Y.

SYRACUSE, N. Y. :
TRUAIR, SMITH & BRUCE, PRINTERS AND BINDERS.
1881.

TO FARMERS.

We herewith present you with our Catalogue for 1881, and in calling your attention to the Implements herein described, we would assure you that they are *first-class* in every particular, and are SO GUARANTEED BY US.

By the strictest *personal attention* to all the details connected with the selection of *material* and the *construction* of our Implements, we have built up a reputation for *quality* that places them, wherever known, at the *head of the list*.

Our constant aim has been to supply the farmers with the most complete and perfect implements in the market, and to that end we have always abandoned old ideas and devices whenever anything newer and better has suggested itself, and have studied to combine all our improvements in the *fewest possible number of machines*. In this we have succeeded admirably, while at the same time we have a line of implements *suited to all the conditions* under which grass and grain are harvested.

Our Reapers have been improved from time to time, all changes being made with a view to simplifying their construction and at the same time adding to their *durability* and *ease of management*; in each of them the *Drive Wheel is surrounded by a strong frame*, giving a support on both sides of the drive wheel, thus keeping it always in line with the gearing, and also *avoids all the danger* of breaking or bending the axle arm, so prevalent where the Drive Wheel is hung on an overhanging arm. The guards are all bolted to a wrought iron angle bar making a very light platform, and at the same time one in which *sagging or getting out of line is never heard of*.

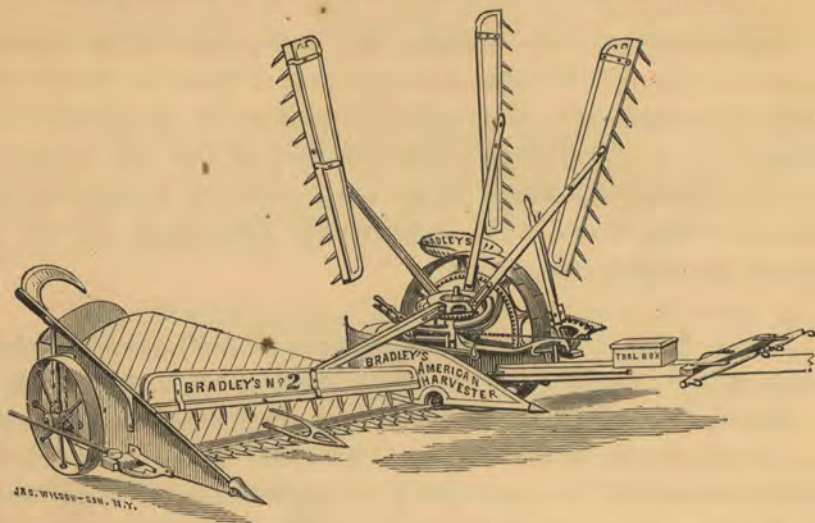
Our Mowers, through the same desire to meet the wants of farmers, have been brought up to the *highest standard*, and embody features that add greatly to the *durability* of the machine, and at the same time enable us to make a *very light, still running* implement of *unusually attractive appearance*.

Regarding our Self-Dumping Hay Rake, the best recommendation we can give it is that we now place it upon the market for the *fifth season*, with practically *no changes* in its construction during that length of time. The full force of this will be appreciated by those with whom we have had dealings, as they are the ones who best know how *successfully determined* we are to furnish the *best in the market*.

None of the Implements named in this Catalogue are experiments which are liable to be found wanting at a time when it is most difficult to replace them, but every machine has been thoroughly tested in the field in large numbers, and has demonstrated its ability to carry out in its workings every claim made for it.

In conclusion, we would state that our business is rapidly increasing, which of course is very gratifying to us, as it demonstrates the truth of what we have so long advocated and lived up to—THE BEST QUALITY MUST AND WILL WIN.

BRADLEY'S AMERICAN HARVESTER NO. 2.



FRONT VIEW.

This Reaper was first brought into notice in 1876, and is the result of the demand for a light weight, light running, durable machine, and from the outset it proved to be a success; during 1877 and 1878 such little changes as were suggested by experience in the field were made, since which time we have not been called upon to make any changes whatever.

The Tripping Device for controlling the action of the Rakes, now in use by us, was first introduced with this machine, and the satisfaction given by it has been unbounded, so that we can with safety say that we have the simplest, safest, most positive and most durable device for the purpose in the world. By the use of it any Rake can be controlled by the driver to deliver the gavel at any instant, or it can be adjusted so as to deliver the gavels automatically, using every second or every fourth Rake, as desired, or the grain can be delivered in a continuous swath.

The PATENT ADJUSTABLE TRACK used ONLY with the Bradley Reapers, allows the sweep of the Rakes to be changed by the driver without leaving his seat, to meet the various conditions of grain and wind, so that good work can always be done.

The Bradley Reaper is so **perfectly balanced** that when the driver is in his seat there is **no weight upon the horses' necks**, and the platform can be tilted with the thumb and finger; the Grain Wheel and Drive Wheel are in a direct line of draft, which **prevents all side draft**, and at the same time allows the Finger Bar to be parallel with the ground, no matter how much it may be tilted.

The Finger Bar is of **Cold Rolled Angle Iron**, which allows the knife to cut very close to the ground when necessary, and at the same time makes a very light and rigid platform.

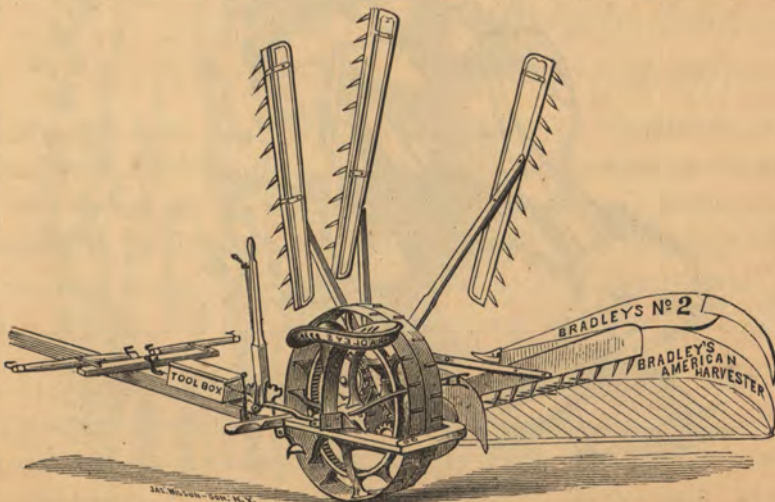
The position of the driver is such that all the operations of the Team, Rakes and Knife can be seen by him without his changing his position, and that it is impossible that he be thrown in front of the knives.

As the Cutter Bar is forward of the center, the Reaper is held much closer to the grain on a side hill than machines with the cutters at the rear of the center.

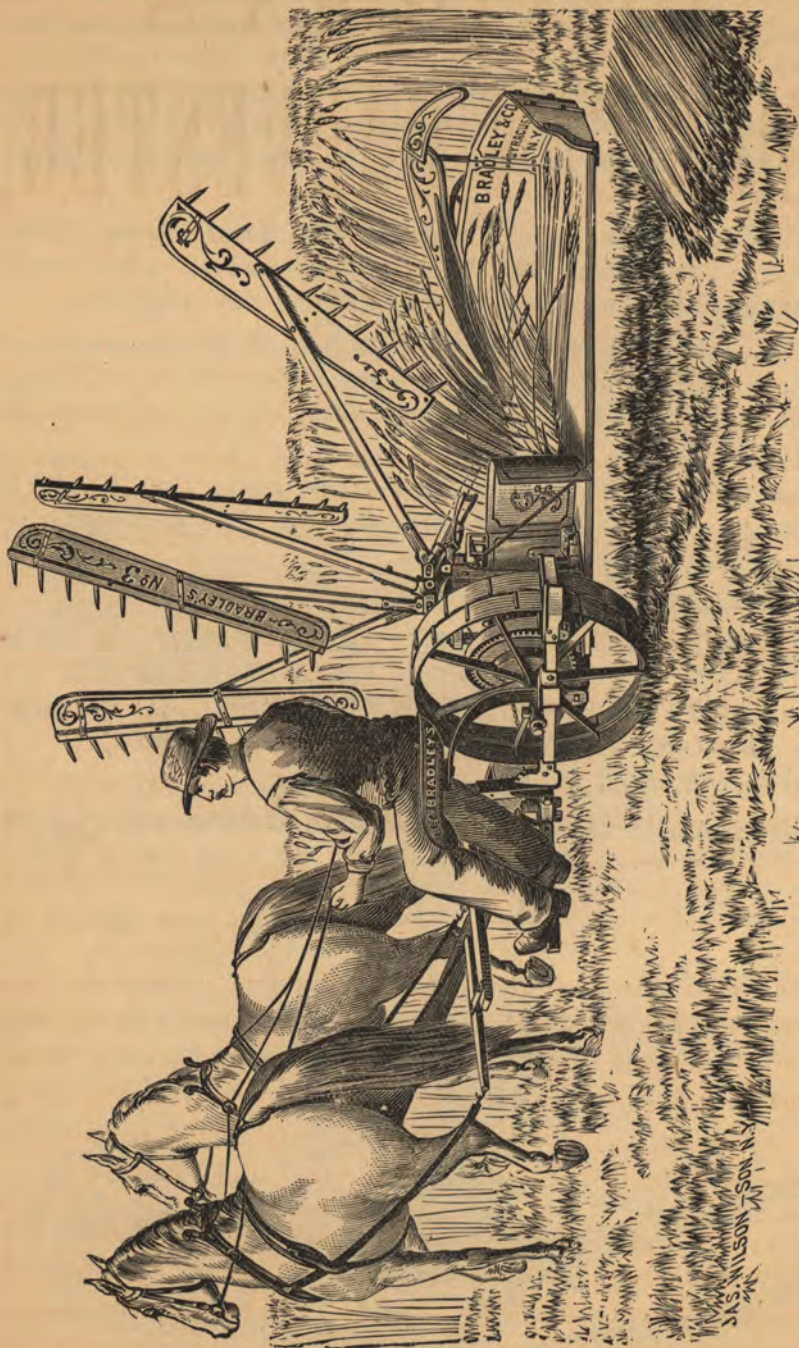
This reaper cuts a swath 5 feet 3 inches wide.

IN THE BRADLEY THE DRIVE WHEEL IS SURROUNDED BY A STRONG FRAME, KEEPING IT ALWAYS IN LINE WITH THE GEARING, NO BREAKING OF CAST IRON AXLE ARMS OR BENDING OF WROUGHT IRON ONES.

The Pitman in use with this Reaper is illustrated on Page 13.



REAR VIEW.



BRADLEY'S AMERICAN HARVESTER NO. 3 AT WORK.

SAS. N. L. SON, N. Y.

BRADLEY'S AMERICAN HARVESTER, NO. 3.

The cut on the opposite page illustrates our American Harvester No. 3, which was put regularly into the market for the harvest of 1880. In it have been embodied all the desirable features that have made the Bradley Reapers so successful wherever introduced.

Perfect Cut,

Superior Reeling and Delivery,

Easy and Parallel Tilt,

Adjustable Track,

Controlable Rake,

Perfect Balance.

In addition to these well known points of excellence, there are introduced with this Reaper several new features in the manner of driving the Rakes, &c., which add very greatly to its **simplicity** and **durability**, at the same time bringing all of the working parts completely into view, so that any possible disarrangement can be immediately discovered and remedied.

Appreciating the fact that certain portions of a Reaper naturally are exposed to greater wear than others, we have made it a prominent feature of our machine to have such portions easily and cheaply replaced, so that there is very little necessity of ever having to take one of these machines to a shop for repairs.

The Tripping Device for controlling the Rakes is the same as used on our American Harvester No. 2.

The Rake Standard is of extra height from the platform, which prevents the Cam and Rake Head from winding with straw.

The range in height of cut in this Reaper is very great, as it can be made to literally **shave the ground** or leave a **stubble twelve to thirteen inches high**.

The speed of the knives is so nicely adjusted that a **clean, smooth stubble is always left**, no matter what the condition of the grain or ground ; every straw is **cut off** and **none pulled off**.

No Chains or Tumbling Rods are used in any manner about the driving parts of either the Cutter Bar or Rakes.

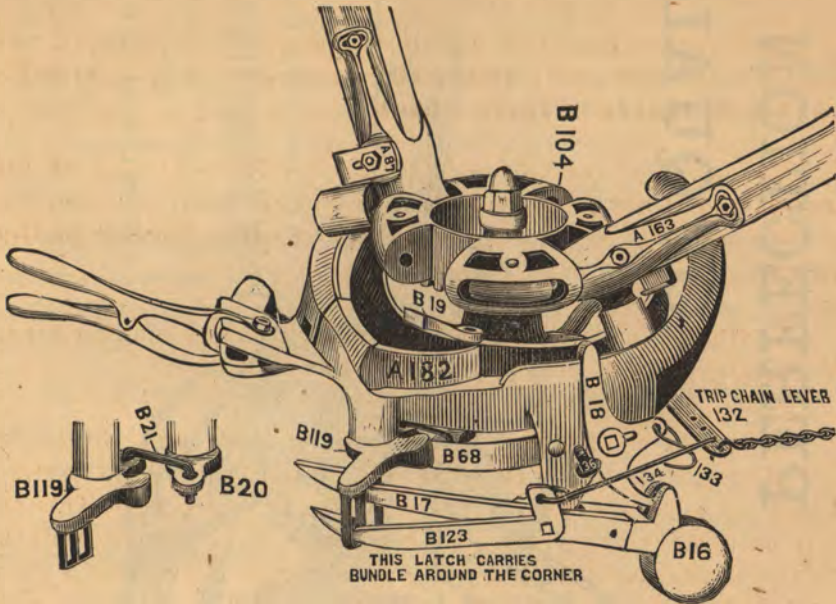
In each of the Bradley Reapers the Gearing and Rakes are placed very close to the Drive Wheel, so that the weight is practically all upon the Drive Wheel, where it is needed. This not only necessarily gives great driving power, as compared with the weight of the machine, but relieves the Finger Beam from a great deal of strain, and places upon the Grain Wheel only just sufficient weight to hold it properly to the ground. The result of this is, that in soft or sandy land the machine does not bed into the earth, and the outer end of the platform can be easily raised without any complication of levers, which are decidedly objectionable.

The width of cut of this Reaper is 5 feet 3 inches.

The Drive Wheel of this Reaper, also, is surrounded by a strong iron frame.

Notice the description of Pitman on page 13.

DESCRIPTION OF THE TRIPPING DEVICE USED WITH BRADLEY'S AMERICAN HARVESTERS.



The above cut illustrates the Tripping Device used with the Bradley Reapers, and its connection with the Cam, Rake Head and Rakes. As arranged in the cut, every other Rake will throw off a gavel. By pressing a Foot Treadle connected with the latch, B 123, the grain may be held on the Platform while turning a corner, and avoid leaving a bundle where the team will tread on it at the next round. By simply removing the Thumb Screw marked 136, just back of the lever B 18, and hooking the hook No. 133 into the Trip Chain Lever, No. 132, (unhooking No. 134,) each rake is completely under the control of the driver, and any one of them will rake off a gavel at any time wanted. When it is desired to leave the grain in a continuous swath, every Rake can be made to sweep the Platform by simply removing the Swathing connection, B 21, shaped like an inverted U, (more plainly shown in separate diagram at left of larger cut.)

By the use of the Lever shown at the left of the cut, the position of the Cam can be instantly altered by the driver, changing the sweep of the Rakes so that they will accommodate themselves to all the conditions of grain and wind. This device enables the Bradley Reaper to reap entirely around any field of grain, *never having to carry a swath.*

There is one spring ONLY used on our Tripping Device, and that is a flat steel one, shown at B 68.

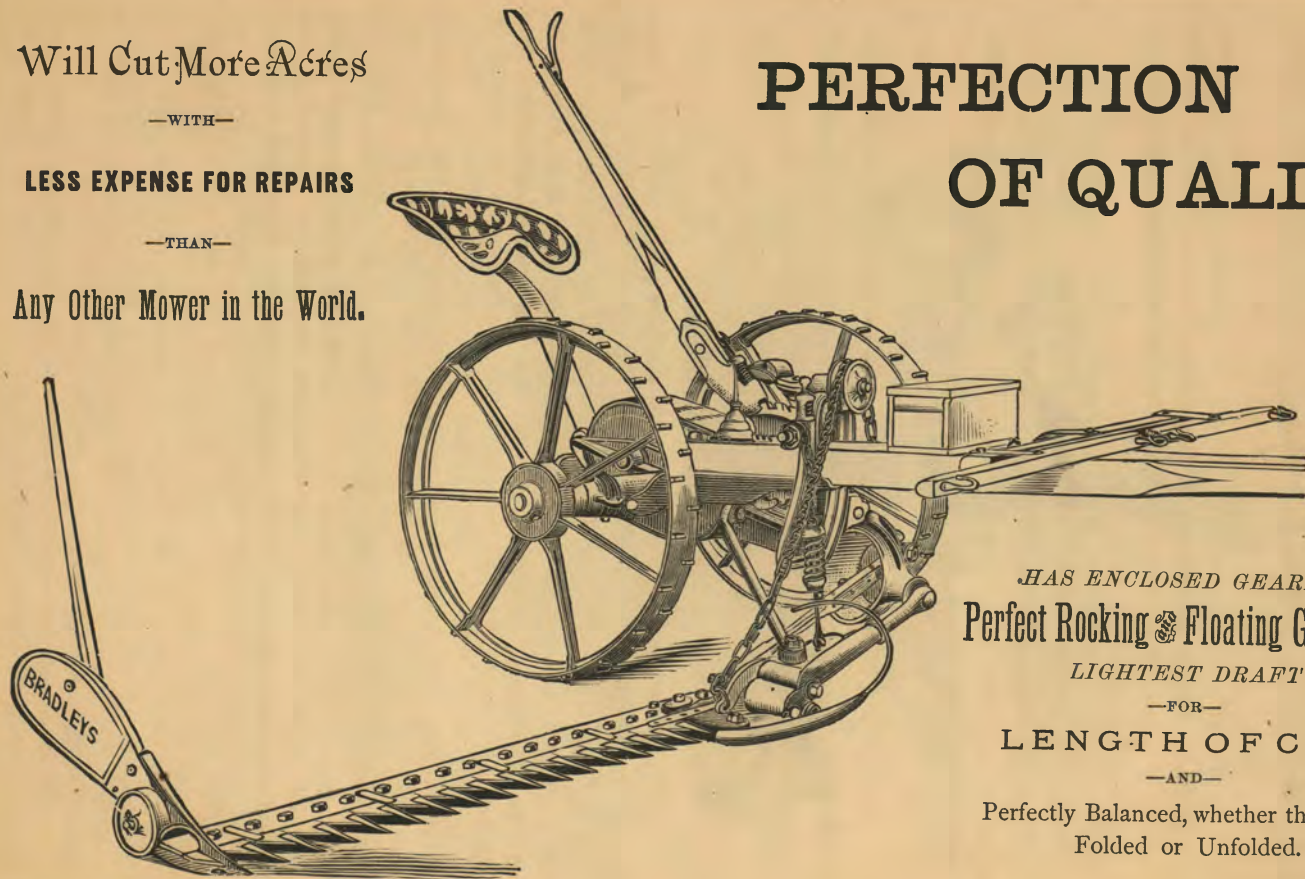
Will Cut More Acres

—WITH—

LESS EXPENSE FOR REPAIRS

—THAN—

Any Other Mower in the World.



PERFECTION OF QUALITY.

HAS ENCLOSED GEARING,
Perfect Rocking & Floating Guard Bar
LIGHTEST DRAFT

—FOR—

LENGTH OF CUT,

—AND—

Perfectly Balanced, whether the Bar is
Folded or Unfolded.

BRADLEY'S CHANGEABLE SPEED MOWER.

In this Mower the speed of the knives can be changed from slow to fast or fast to slow at the option of the driver, without changing the speed at which the team is driven.

The advantages of a Changeable Speed are :

1st.—As the slow speed (which is one-quarter less than that used in Mowers with but one speed,) is sufficient to cut nine-tenths of all the grass that grows, there is a *saving of one-quarter in the wear* by its use.

2d.—For the same reason there is a saving of *one-quarter in the draft*.

3d.—It runs with much *less noise and vibration*.

4th.—The team can be driven faster and a *larger days' work accomplished*, without injury to the machine.

5th.—It is *unnecessary to hurry the team to prevent clogging* in wet or thick-bottom grass, as the speed of the knife can be *instantly increased* by a simple movement of the shifting lever, conveniently placed in front of the driver, which allows it to cut its way clear, without pulling the grass and straining the machine.

The Bradley Mower is driven by gear hung at the centre of the axle, by which the objections to the old method of gearing in the Drive Wheels are entirely overcome. The gearing is made with the greatest care and adjusted to the pitch line with the greatest accuracy, which secures the *greatest amount of power* with the *least friction*. The gearing is also completely covered, which prevents sand and dirt from getting at and adhering to the parts which are oiled, thereby increasing the friction and causing the bearings to cut out rapidly.

The Bradley has the most complete Rocking Bar in use, as the points of the guards can be *instantly depressed or raised* and the Bar *elevated* to pass an obstruction by the use of *one and the same lever*.

The inner end of the Guard Bar and the Inner Shoe are all carried on a steel coil spring, which is attached to the Frame of the machine, bringing the weight upon the *Drive Wheel*, instead of dragging it a dead load upon the ground or pushing it forward upon a small lead wheel, all of which very materially reduces the draft.

As the seat is so situated that the weight of the driver *balances the bar* but *little power is required* to elevate the bar to pass an obstruction and the *whole machine* is so *accurately balanced throughout* that there is *no weight* on the horses' necks, either when the bar is in *position for mowing* or elevated to *pass an obstruction*, or *folded* to move from field to field or on the road. THIS CAN BE SAID OF NO OTHER MOWER IN THE MARKET.

The Guards are of Malleable Iron fitted with a Steel Plate which is the same quality and temper of the knife sections.

The Cutting Apparatus is fitted with the greatest care, the guards being milled to a uniform line, which causes the knife to run close to the guard making a perfect shear cut.

We do not make a specialty of praising any one feature as is done by some, to draw attention from defective points, but claim a greater combination of valuable mechanical principles by which friction is avoided and durability increased than is possessed by any other machine. All bearings are long and can be *easily replaced at small expense* by any farmer however unskilled.

Bradley's Single Speed Mower.

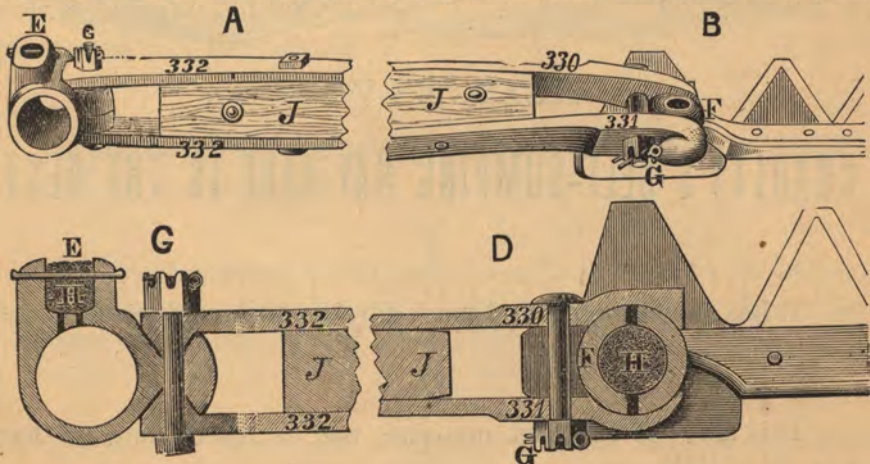
In general appearance and manner of construction this machine is the exact counterpart of our Changeable Speed Mower, the difference being wholly in the arrangement of the gearing, giving it but one speed to the Cutter Bar which is sufficient to cut any grass that grows without clogging.

**FOR DESCRIPTION OF THE PITMAN USED WITH
THESE MOWERS SEE PAGE 13.**

THE ONLY PERFECT PITMAN.

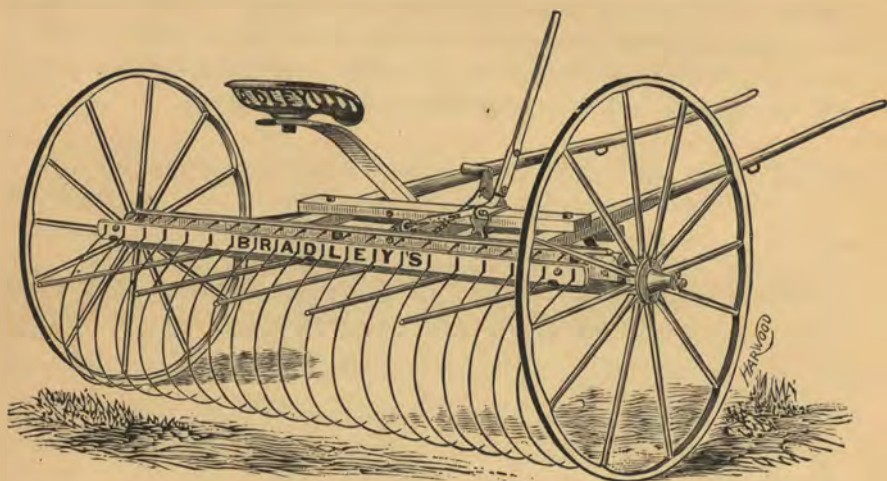
The Pitman of a Reaper or Mower is one of its vital parts and when the Pitman is out of order it matters not how good and well made the balance of the machine may be, it cannot do its work in a successful or satisfactory manner ; so much trouble has been caused by the defects of this part of Harvesting Machines, that nearly the first question asked by the intelligent purchaser now is, "What sort of a Pitman are you using?" Appreciating this demand we have made it a study to get the best, and after a series of experiments we some years since adopted the one we are now using, a description of which is herewith given :

The body of the Pitman is made of the toughest hickory, which does not crystalize and become brittle. It is connected with the knife head which is in the form of a hollow ball, by a pair of adjustable concave steel jaws, held in position by a bolt and safety nut. The connection with the Pitman head is on something of the same principal ; the whole making a connection that cannot become cramped or out of line, and prevents any heating or chance for lost motion.



In the above cut F represents a ball-shaped knife head, which is hollow and packed with coarse wool H, which regulates the flow of oil and renders it self-oiling. Nos. 330 and 331 are made of steel with concave bearings, which clasp the knife head F and are held to their place by a bolt and safety nut G which can be tightened at any time to relieve the connection of any wear which might occur. The Pitman Head E is self-oiling, and is clasped by two conical bearings 332, 332 which are also made of steel, and are held to their place by a bolt and safety nut G. J. J. is hickory.

BRADLEY'S SELF-DUMPING Sulky Horse Rake.



REASONS WHY BRADLEY'S SELF-DUMPING HAY RAKE IS THE BEST.

I.

It has the strongest and most durable dumping device.

II.

It is made of the best material, and is better finished than any other Rake.

III.

The Thills are stiffened by Forged Iron Braces, which connect with the axle a few inches from the end, thereby avoiding all lateral motion and increasing the Strength of the Rake.

IV.

It dumps from Both Wheels, and avoids all side jerking. It can also be dumped on the corner without cramping the Rake.

V.

Any boy or girl who can drive a horse is strong enough to operate it.

VI.

The teeth are independent and adjustable, and will conform to uneven surfaces.

VII.

It has Twenty Steel Teeth tempered in oil, which are thoroughly tested before taking their place in the Rake.

VIII.

The Teeth run well under and carry the load, instead of scratching the ground, and gathering stones or dirt with the hay or grain.

IX.

The Teeth can easily be held to the ground, causing them to rake close in heavy raking.

X.

It is a Self-Dump, or can be used as a hand-dump as may be desired.

XI.

The seat is formed to insure the greatest comfort to the Driver, and it rests upon a bent wooden seat spring, which renders his position easier than on any other Rake.

XII.

Thousands have been sold, giving better satisfaction than any other Self-Dump Rake.

XIII.

It is now put upon the market for the *Fifth Season* without any change, proving conclusively that it is *no experiment*, but an *established success*.

DIRECTIONS.

When you order Machines or Extras be particular to mention the following :

- 1ST.—TOWN, COUNTY AND STATE TO WHICH THEY ARE TO BE SHIPPED, AND BY WHAT ROUTE.
- 2D.—WHETHER BY FREIGHT OR EXPRESS.
- 3D.—NUMBER AND KIND OF MACHINE FOR WHICH EXTRAS ARE WANTED, NAME AND NUMBER OF PART WANTED, AND IN WHAT YEAR THE MACHINE WAS PURCHASED.
- 4TH.—YOUR POST OFFICE ADDRESS.

We furnish a Diagram and Price List of Parts with each machine as sent out ; *preserve this* or if lost or mutilated send for another at once,—DON'T WAIT UNTIL YOU WANT AN EXTRA PART BEFORE YOU SEE WHETHER YOU HAVE A PRICE LIST OR NOT.

We furnish extra parts for all Machines that have been manufactured by C. C. Bradley & Son, Bradley Manufacturing Co., and Bradley & Co., comprising the Hubbard Mower, Economy Mower, Acme Mower, Bradley's Changeable Speed Mower, and Bradley's Single Speed Mower, Johnson's "Sweepstakes" Reaper, Bradley's American Harvesters, No. 1, No. 2, and No. 3.

WARRANTY.

All of Bradley's Reaping and Mowing Machines are warranted to be well made, of good materials, and with proper management capable of cutting in workmanlike manner an acre of grain or grass per hour. If, upon starting a machine, it should not work well, immediate notice must be given to the agent from whom it was purchased, and reasonable time allowed to get to it and remedy the defects, if any, (the purchaser rendering necessary and friendly assistance,) when, if it cannot be made to do good work, it shall be returned free of charge to the place where received, and the payment of money or notes will be refunded. Failure to give notice as above and continued possession of the machine shall be deemed conclusive evidence that the machine fills the warranty.

