

F. R. Brown



BRADLEY



ESTABLISHED 1832.

BRADLEY & COMPANY

WORKS AND MAIN OFFICE, SYRACUSE, N. Y.

BRANCH OFFICES.

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OTHER DISTRIBUTING POINTS FOR MACHINES.

HARRISBURG, PA.

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GENERAL AGENCIES FOR MOWERS.

DAVID BRADLEY MFG. CO., Chicago, Ill.

BRADLEY, WHEELER & CO., Kansas City, Mo.

DAVID BRADLEY MFG. CO., St. Louis, Mo.

BRADLEY, HOLTON & CO., Indianapolis, Ind.

DAVID BRADLEY & CO., Council Bluffs, Iowa.

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1888.

1888.

CATALOGUE

OF



MANUFACTURED BY

BRADLEY & COMPANY, • SYRACUSE, N. Y.

ESTABLISHED 1832.

THE SYRACUSE JOURNAL CO., PRINTERS AND BINDERS.

THE BRADLEY MOWERS

Are made in FIVE SIZES, as follows:

No. 5—32 inch Drive Wheels,	. . .	cuts 4 feet 3 inches.
No. 5—32 inch Drive Wheels,	. . .	cuts 4 feet 6 inches.
No. 6—36 inch Drive Wheels,	. . .	cuts 6 feet.
No. 7—30 inch Drive Wheels,	. . .	cuts 3 feet 6 inches.
No. 8—32 inch Drive Wheels,	. . .	cuts 5 feet.

THE BRADLEY REAPER

Is now made in ONE SIZE only:

No. 4—31 inch Drive Wheel,		cuts 5 feet.
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THE BRADLEY HORSE RAKE

With either 20 TEETH or 25 TEETH.

AS WILL BE NOTICED by examining the list of implements on previous page, our line is complete and covers a variety of sizes and lengths of cut in Mowers that will supply the needs of all. Each machine is made throughout to conform in size and strength to the work expected of it and those with long cutting bars are made larger, stronger and heavier, with greater width between Drive Wheels, than are the smaller ones.

By doing this the larger machines are so proportioned that the draft increases but very little with the added length of cut, and farmers with large, smooth fields are rapidly adopting wide cut Mowers, as it allows them to greatly increase the amount of work accomplished by a man and team in a given time.

As the demand for Reapers at the present time is among small grain farmers, or in sections where the cumbersome self binder cannot be used, our principal aim has been to so reduce the weight and at the same time increase the durability and convenience of our No. 4 Reaper that it will meet the wants of all, and we claim it is the best Reaper in the market.

THE BRADLEY MOWER.



There are many reasons why farmers should purchase the **BRADLEY MOWER** in preference to all others. With our No. 5 size we use Drive Wheels 32 inches in diameter, while nearly all other makers use either 28 inch or 30 inch wheels. It can readily be seen that a Mower cutting 4 feet 3 inches with 32 inch drive wheels will be much lighter in draft, much steadier running and less liable to slip over or cut into soft ground than one with 28 inch Drive Wheels cutting the same width of swath.

GEARING AND SHAFTING.

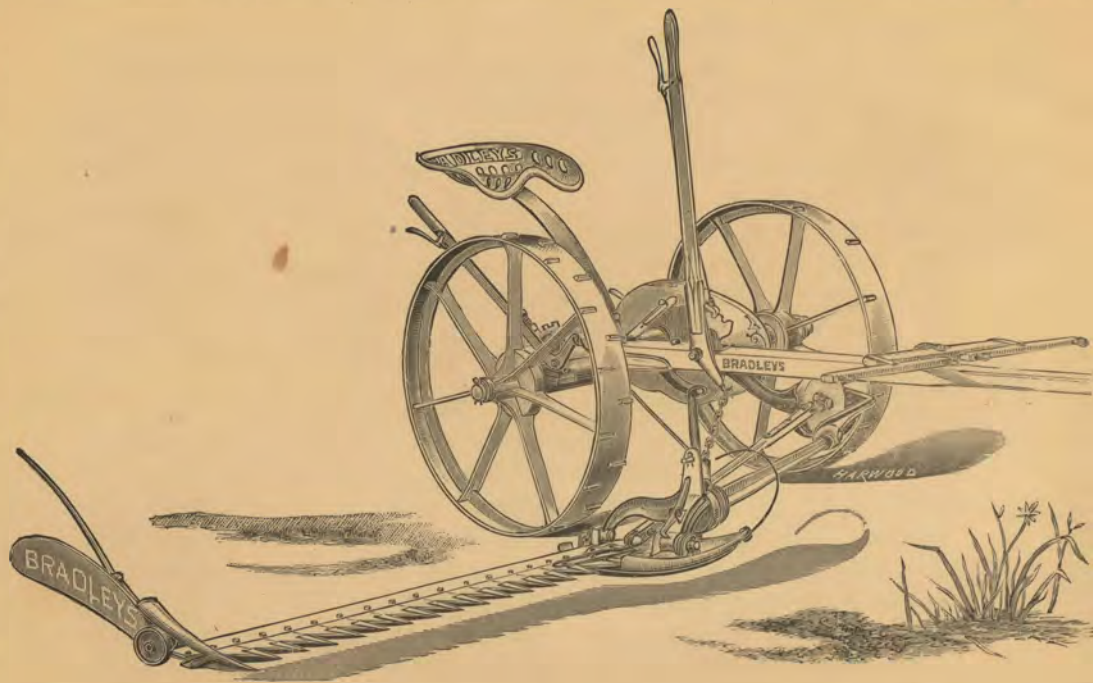
The gearing in the **BRADLEY MOWER** is made from perfect metal patterns, causing the machine to run as nearly without noise as possible, and the wear is so slight that the life of the gearing is almost without limit. All shafts are of polished steel. The machine is thrown in and out of gear by the use of a cam lever convenient to the operator. This lever is held in place securely that there may be no chance of its throwing into gear when cutter bar is raised or out of gear when in use.

FIRMLY BRACED AND HINGED.

The Cutting apparatus is attached to the truck of the machine by a substantial bar running from in front of the crank wheel to the inner shoe, to which it is hinged both front and rear, thus overcoming the tendency of the outer end of cutting apparatus to sag back after machine has been used awhile, throwing everything out of line. This bar also gives perfect protection to the Pitman. A heavy round steel brace runs from this bar, near its connection to the cutting apparatus, back to the rear of frame, making it very rigid as against any strain upon the cutting apparatus and yet perfectly flexible as to raising, lowering and tilting.

A PERFECT PITMAN.

There is no one part of a Mowing Machine upon which more depends than on the Pitman and its connections. In the Bradley Mower we have for several years used a Pitman that has given unbounded satisfaction. It is so constructed that it is always in line with the Cutter Bar and can never bind. The body of the Pitman is made of the toughest hickory and consequently never crystalizes and breaks, as do those made of iron or steel. Its connection with the Cutter Bar is a ball and socket joint, held in place by a bolt with safety nut; at the upper end where connected with the Crank Pin it is also adjustable and held by bolt with safety nut.



THE BRADLEY MOWER NO. 5.

HHEIGHT OF CUT.

The height of cut is regulated by means of an adjustable broad steel runner on Inner Shoe and a wheel on Outer Shoe, in such a manner that the bar can be raised or lowered to leave any required length of stubble. This may also be varied by use of the Tilting Lever.

THE TILTING LEVER.

The Tilting Lever is conveniently located at the right hand of the driver and by its use the points of the guards can instantly be raised to prevent injury to the Cutting Apparatus over rough or rocky ground, or lowered to secure lodged grass. In tilting, the points of the guards are raised or lowered equally the entire length of bar, leaving an even stubble always, a feature equalled by no other machine in the market.

PERFECTLY BALANCED.

The Bradley Mower is so perfectly balanced that all the weight of the driver, as well as the machine itself, is upon the Drive Wheels, giving it great cutting power and such a thing as clogging the knives is unknown.

THE LIFTING LEVER.

The Lifting Lever raises both inner and outer ends of the Cutting Apparatus when passing an obstruction and the bar may be raised, folded and fastened in its place for traveling on the road, by the driver, without leaving his seat. The leverage is sufficient to make this a very easy operation.

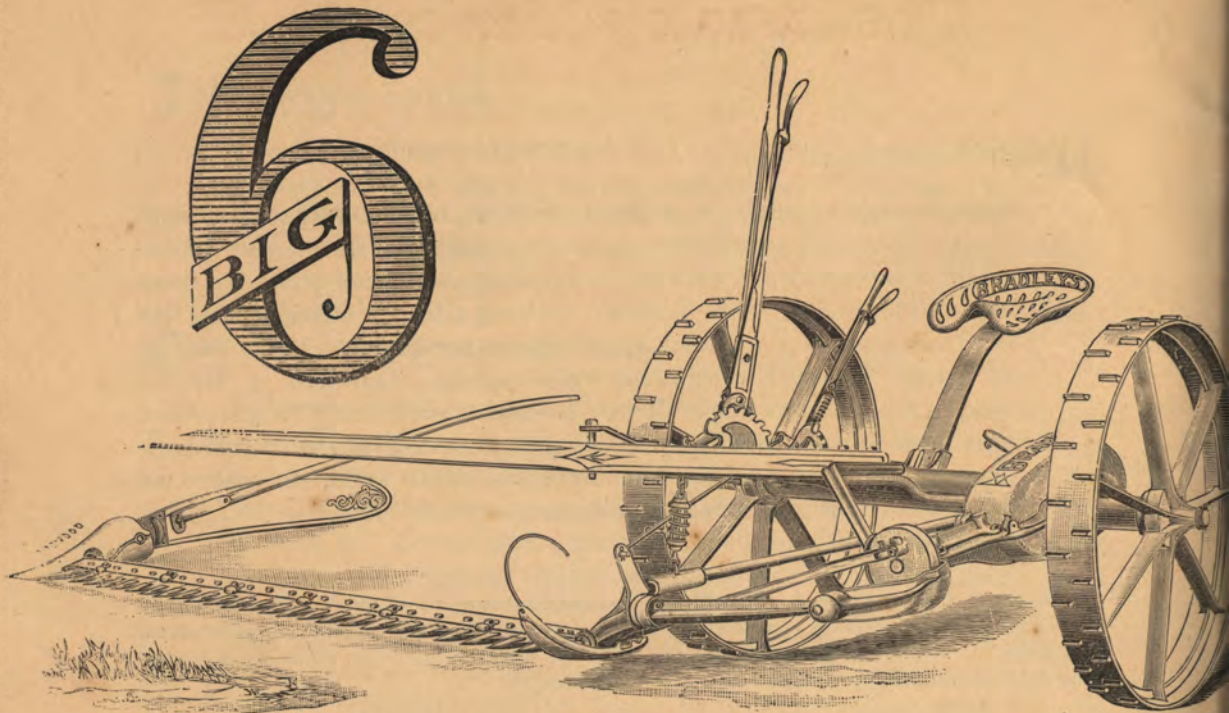
CHOICE CUTTING APPARATUS.

We leave nothing undone that will tend to make the Cutting Apparatus of our Mowers perfect. The sections are 3 inches wide by $3\frac{1}{8}$ inches long, which has been demonstrated the proper size for best work and durability. Our guards are malleable iron with steel plate riveted in. These plates may be renewed at any time with slight expense. Each guard is attached to the bar by a single bolt. Each guard is milled level with the guard plate before it is bolted to the bar and afterwards the surfaces upon which the Cutter Bar vibrates are ground to a perfect level, so that when a machine leaves our works every section of the Cutter Bar is in perfect contact with the corresponding guard plates, securing a perfect shear cut.

LIGHT DRAFT.

Extreme light weight in a Mowing Machine does not mean light draft. By a long series of experiments, conducted in the most painstaking manner with a view to demonstrate this very thing, we were made to know that when a Mower cutting 4 feet 3 inches weighs less than 600 pounds it will neither be light in draft nor durable in use, all claims to the contrary, notwithstanding. Our No. 5 Mower weighs a little more than 600 pounds and we are ready to guarantee it as light draft in all conditions of ground and grass as any Mower made. A lighter machine would cost us less to build, and unless we knew our claim was correct self-interest would cause us to lighten our patterns at once.

On rough, stumpy or stony farms, and in the hands of careless operators, the guards are liable to be bent out of line, or the sections become broken or bent. These defects will cause the Mower to leave a rough, ragged stubble, and greatly increase the draft. At slight expense at the beginning of haying, this can all be remedied, and will be found a good investment.



THE BRADLEY MOWER NO. 6.

The Bradley Mower No. 6.

Another season's use has thoroughly demonstrated that on large, level farms, this Mower cutting six feet is a practical machine in every respect. It is easily handled by the ordinary farm team, and with it nearly double the usual amount of hay can be got in during the day without increasing the number of men or horses.

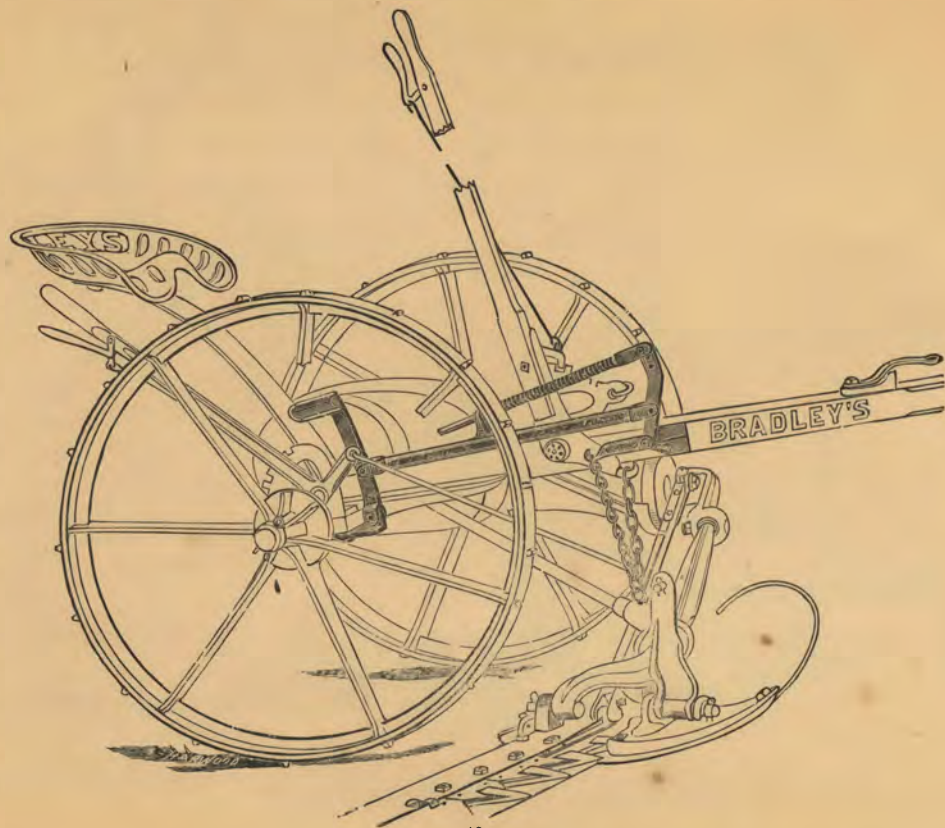
A SPECIAL MACHINE.

This Mower is a special machine throughout, and not simply an ordinary truck with a 6 ft. cutting apparatus attached, as are many of the long cut Mowers now in the market. A long bar attached to a light truck brings a strain upon the truck it was not intended to stand. It will do the work for a while, but is like an overloaded wagon, certain to break down in a short time.

No SIDE DRAFT.

We guarantee this Mower to be free from side draft and to be easily handled by an ordinary farm team, unless the land be very uneven. Drive Wheels 36 inches in diameter. **Changeable Speed Gearing.**

Each 6 ft. Mower is supplied with our patent **Spring Lift Device**, by which the inner end of bar may be raised from the ground in turning corners, &c.

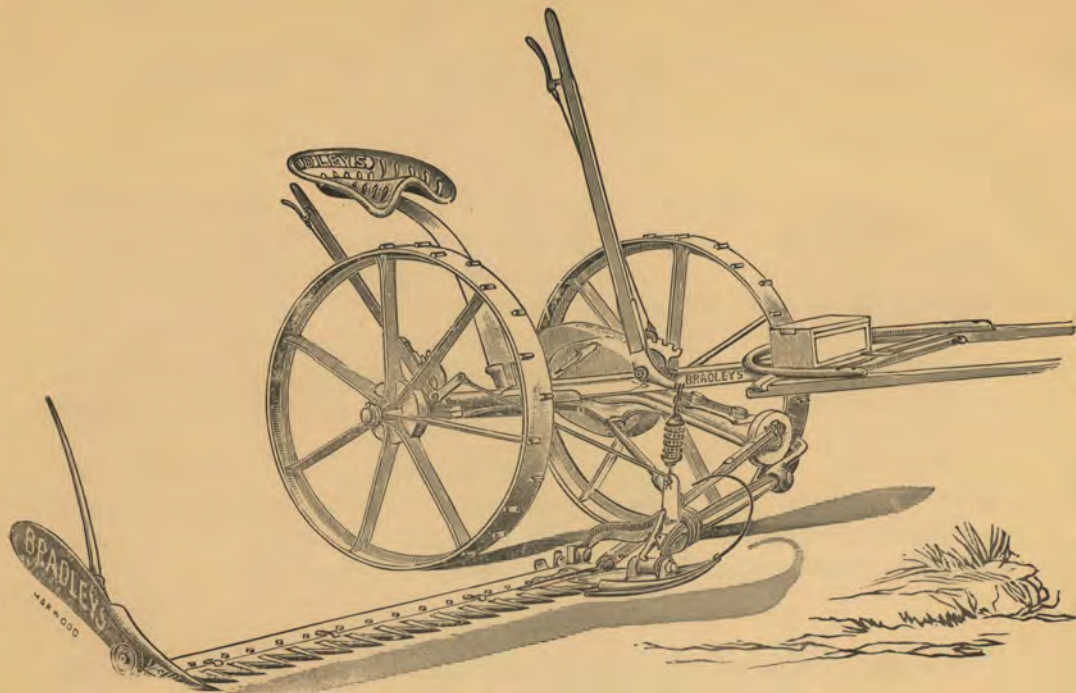


Spring Lift Device for 6 Ft. Mower.

On opposite page we give illustration of our new Spring Sustaining Device as attached to our No. 6 Mower, by the use of which the inner end of cutter bar may be elevated from the ground independent of the outer end and without using the regular elevating lever. This device is of great value when using this long cut machine over land that is rough and uneven and in turning corners. It may also be adjusted so that the inner end of cutting apparatus can be carried so as to just clear the ground, creating a perfect floating bar.

Every No. 6 Mower for 1888 will be furnished with this device, and no additional charge made. Every purchaser of a Mower of this style will own the most complete long cut machine in the market, and we will guarantee the draft to be satisfactory on any reasonably level farm.

Keep cutting apparatus in good order, knives sharp and guards in line. See that the Pitman connections at both upper and lower ends are snug. Use good oil at short intervals, and you will be surprised at the light draft and durability of our machines.



THE BRADLEY MOWER NO. 7--ONE HORSE.

A Duplicate of the No. 5 Mower, except in Size. Cuts $3\frac{1}{2}$ feet.

The Bradley Mower No. 8.



During the season of 1887, we placed upon the market a limited number of new machines which will be known as

THE BRADLEY MOWER NO. 8.

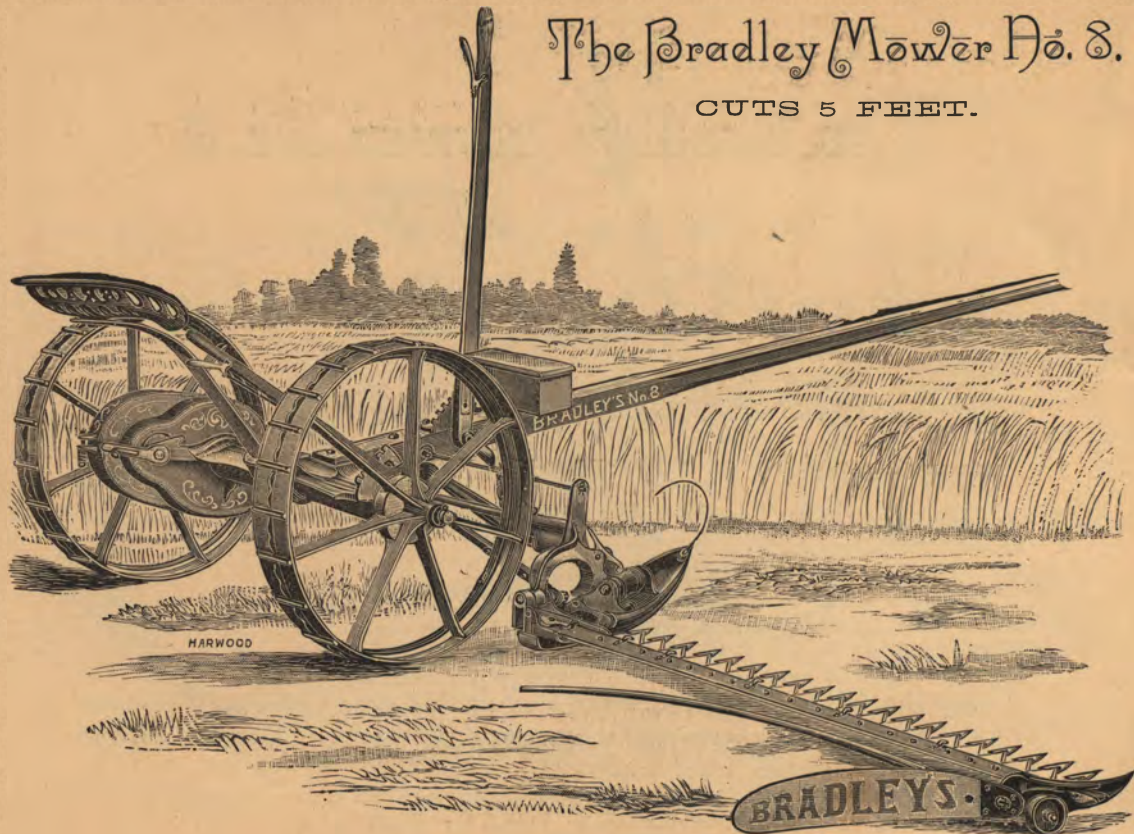
It cuts a swath of 5 feet. The Drive Wheels are spread well apart so as not to run down the cut grass, and it promises to be the most popular Mower ever produced.

We trust when our Mowers are compared with others the fact will not be lost sight of that for each width of cut we make a special machine throughout, and in this manner insure durability and perfect work.

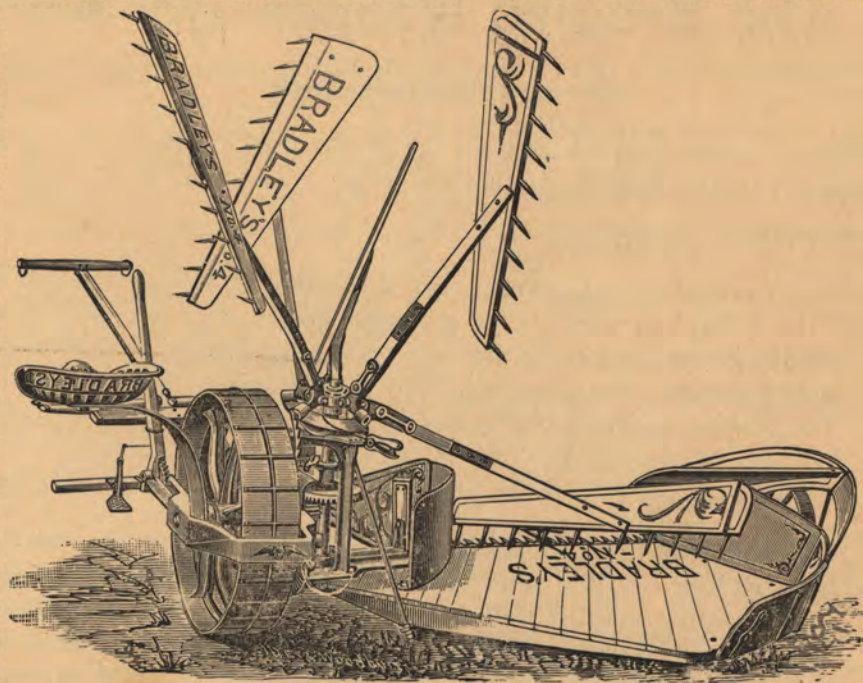
For the season of 1888, we will place these machines upon the market in large numbers, and anticipate the demand for them will increase rapidly, as their good qualities become known.

The Bradley Mower No. 8.

CUTS 5 FEET.



THE BRADLEY MOWER NO. 8.



THE BRADLEY REAPER NO. 4.

The Bradley Reaper, No. 4.



When we claim that the Bradley is the best Reaper ever made we are only expressing the opinion of every one who has ever used one.

F FRAME AND GEARING.

The Bradley Reaper, No. 4, has a substantial Frame around the Drive Wheel, giving a bearing at each end of the Main Axle, keeping the gearing always in line and preventing the general looseness and tendency to sag so common with Reapers not having this feature. The gearing is simple, substantial, in plain view, and so arranged that any part can be readily removed for repairing, if necessary.

H IGH STANDARD.

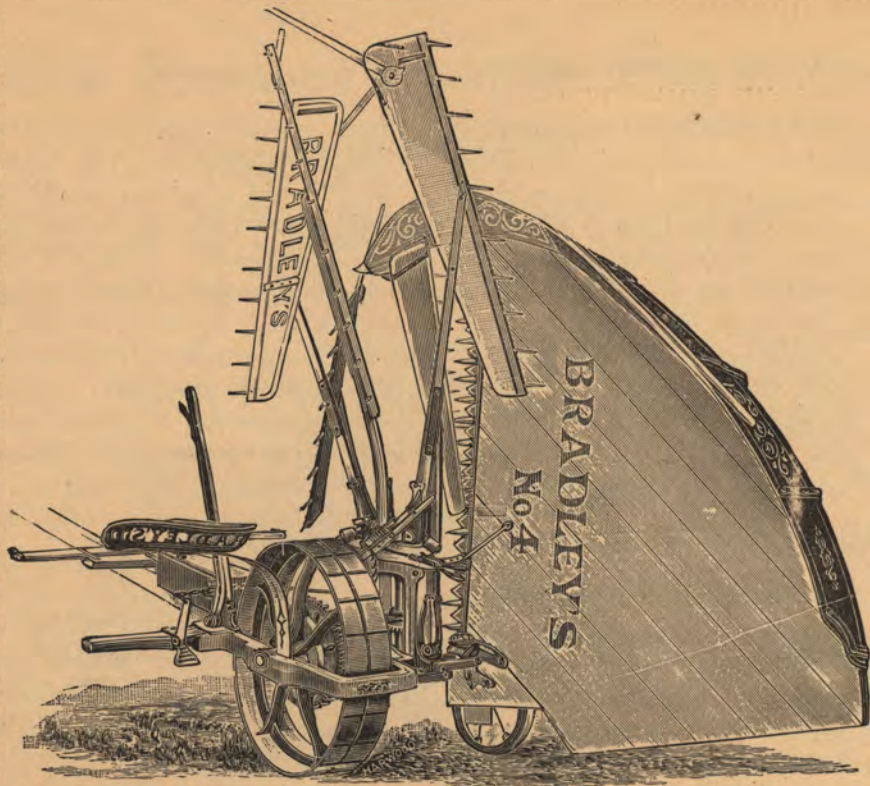
The Standard, to which is attached the Cam or Track, in which the Rake Rollers run, is of sufficient height to prevent grain dropping in and becoming tangled there, and as the Cam itself is of malleable iron, there is no danger of breakage. With other Reapers, especially with those whose chief claim is light weight, it is found necessary to make the Standard low, as otherwise there would not be sufficient strength in the machine to carry it.

PPLATFORM AND RAKES.

The Platform is constructed in the best possible manner, combining great strength and durability with extreme lightness. The Guards are of malleable iron, steel plated and bolted to a steel angle bar, which in its turn is bolted to the main sill of the platform and prevents the platform from ever sagging in the centre. It must always remain true. The Rake Blades are of suitable width, and so arranged that when, in revolving, they reach the Guards, they are parallel with them their entire length. In other Reapers this is not the case, and as a result, when the gavel is overturned the grain is found crossed, instead of straight, as it should be in order to make binding easy and rapid. Expert binders always give the Bradley the name of laying the best gavel of any Reaper in existence.

PPERFECTLY BALANCED AND VERY COMPACT.

It will be noticed by reference to our illustrations that the Bradley Reaper is very compact. The Driver's Seat, the Drive Wheel, the Gearing and the Platform all up together with no waste space between. One result of this is that the greater part of the weight is on the Drive Wheel, giving us the strongest cutting Reaper in the market and making it impossible to clog the knives under any circumstances. The balance is perfect and no weight comes on the necks of the horses.



THE BRADLEY REAPER NO. 4--WITH PLATFORM FOLDED.

CONTROLABLE RAKE.

The Rakes can be set to work automatically and deliver the grain at regular distances, or in a continuous swath, as desired, and at the same time the driver can prevent the delivery of a gavel at any time, as in turning corners or where grain stands thinly upon the ground. They can also be quickly arranged so the leaving of the gavel is completely under the control of the driver. By a slight pressure of the foot any Rake can be made to sweep the platform, and with the removal of the pressure each Rake acts as a reel to gather the grain upon the platform.

CONVENIENCE AND COMFORT.

All levers are within easy reach of the driver, so that the Platform may be tilted, the Rakes adjusted and the bundles delivered without his leaving his seat, and these operations require so little effort that any boy capable of driving a team can run the machine as well as a man. The Grain Wheel is in line with the Drive Wheel, with so little weight upon it that it will not bed into soft or sandy ground causing side draft, or swing the team around in going through furrows. The height of cut is quickly and easily changed. The draft is extremely light for the team, and the Seat and Seat-spring designed for the comfort of the driver.

ADJUSTABLE CAM OR RAKE GUIDE.

By the use of a lever convenient to the driver, the position of the Cam can be instantly changed, varying the sweep of the Rakes so that they will accommodate themselves to all the various 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.

PORTABILITY.

The Folding Device as applied to the Bradley Reaper is simple, substantial and convenient. All parts used in folding are always carried on the machine. The Inner Divider and one Rake are the only pieces removed in folding and they are securely carried with the Reaper when moving on the road.

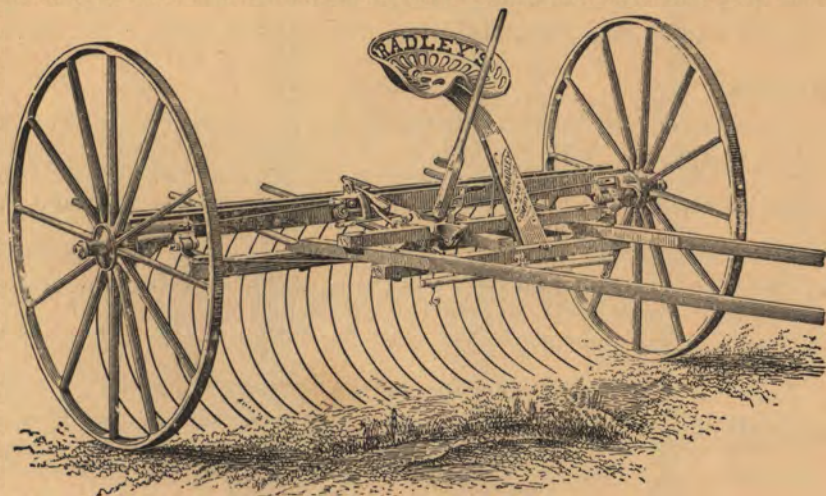
Simple, Durable, Compact, Easily Operated.

Perfectly Balanced,

High Standard,

Shifting Track,

Folding Platform.



THE BRADLEY SELF-DUMPING RAKE.

THE BRADLEY RAKE.



The Bradley Self-Dumping Horse Rake is the best made, the best finished, the easiest operated, and the most durable Rake in the market.

WHEELS.

We make our own wheels, using choice timber, and have never known one to give out with fair usage. The felloes are rounded with a clip at each joint. Each tire is made to fit its own wheel and is heated and shrunk on, as much care being used as with wagon wheels

THILLS AND AXLE.

The thills are stiffened by wrought iron braces and connected to the axle near the wheels, so that the axle will not sag.

TEETH.

Each tooth is independent to a sufficient extent to allow it to conform to uneven surfaces. The position of the teeth can also be adjusted to rake close over smooth ground, or to rake stubble and not gather rubbish.

TRIPPING DEVICE.

By a simple pressure of the foot the load is discharged at any instant, and the teeth can be held to the ground to carry heavy windrows. All so simple and easy that a boy can do the work as well as a man.

The Bradley Self-Dumping Horse Rake is furnished ordinarily with 20 teeth. We can supply those having 25 teeth, the axle being the same length with the teeth nearer together. We also make either kind with pole for two horses

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.

