

BUCKEYE MOWERS

WE have built Buckeye Mowers for forty years.

During this period we have built other harvesting machinery, and are now building it, but *the manufacture of Buckeye Mowers has been our specialty.*

Throughout these forty years we have told over and over again the story of the superiority—*absolute superiority*—of Worcester Mowers.

IMPROVEMENT has been our watchword, and year after year we have added improvement on improvement. It is a fact, however, that during no period within the past forty years, have as many real and valuable improvements been made as within the past three years.

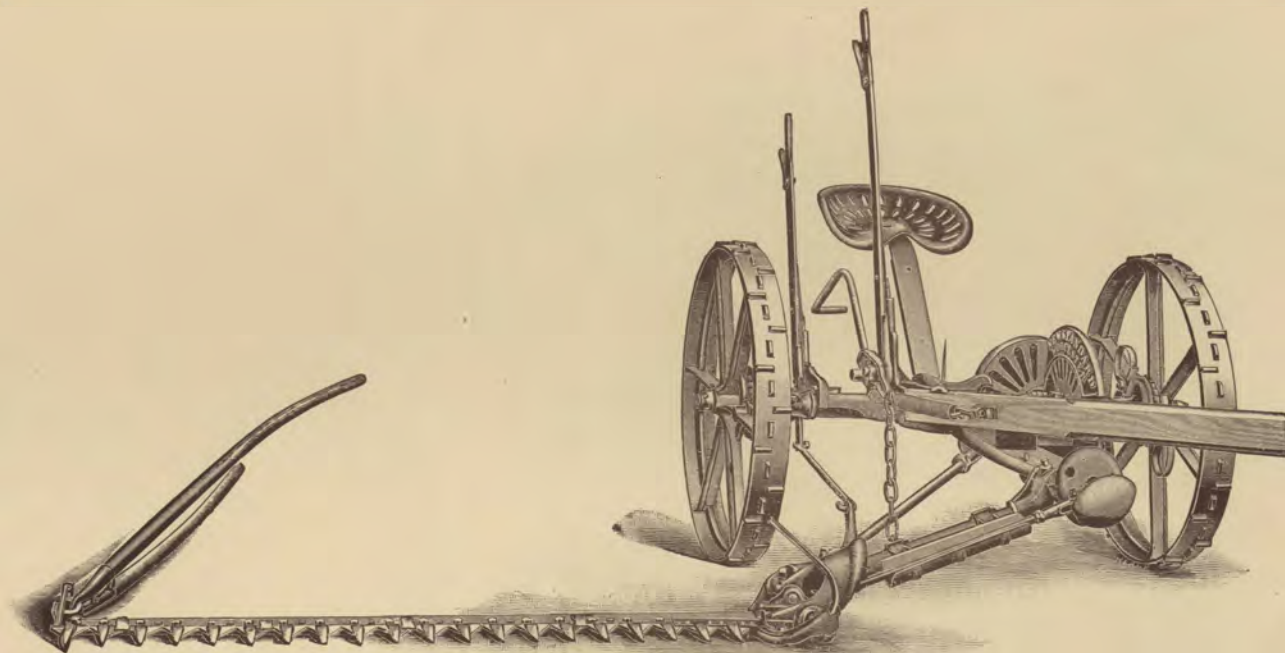
After forty years of unparalleled success, we enter upon the season of 1902 with practically a new machine—the STANDARD GEAR MOWER, a machine that exhibits the greatest advance in the line of improvement ever made in any one, or a dozen years.

Representing as it does the painstaking study of years, combined with the skill and energy of as expert mechanics as capital can employ, we unhesitatingly pronounce this new mower for 1902 to be the *strongest, best made, most durable* machine ever built, and to possess all desirable features required for the cutting of every variety of grass with the greatest possible ease and dispatch.

The farmer is assured of finding in the new 1902 Standard all the desirable features of the old machine, *strength, durability*, etc., combined with the new and lasting improvements now introduced.

THE RICHARDSON MANUFACTURING CO.

NEW STANDARD GEAR BUCKEYE MOWER 1902



THIS MOWER IS BUILT TO CUT 4½ FEET, 5 FEET AND 6 FEET.

IMPROVEMENTS FOR 1902

BRIEFLY stated, the important features in the Worcester Standard Gear Buckeye Mower, and which contribute to its superiority over all other mowers, are :

SIMPLICITY OF CONSTRUCTION. Fewer parts than in any other mower, and these of the most practical and simplest design.

EXTRAORDINARY STRENGTH. No other feature in construction of our mowers has had so much consideration. Strength so carefully distributed throughout the machine that every part, even the smallest, is equal to any strain it is called upon to bear.

DURABILITY. Actual tests have proven that Worcester mowers wear better *and last longer* than any other mowers.

LIGHT DRAFT. Absolutely the easiest machine to draw that horse was ever hitched to. Large driving wheels; seat in the right place; everything balanced to perfection. No unnecessary strain upon your horse. No sore necks.

INTERCHANGEABLE PARTS. Every part, large or small, interchangeable. If a part breaks we furnish a duplicate that is guaranteed to fit, and without need of an expert mechanic to do the work. An ordinary farm hand and a monkey wrench all that's required to take the machine apart and replace broken pieces.

SMALL COST OF REPAIRS. Each and every part is designed to meet any emergency and have plenty of strength to spare. Results: Fewer repairs, less annoyance and less loss of time in haying season, *and less cost in the long run.*

Builders of cheap mowers can afford to make original price of mower low and depend upon the farmer for profit in the repairs they are sure to sell him.

THE WORCESTER STANDARD GEAR MOWER represents a combination of first class material and skilful workmanship that it is simply impossible to beat.

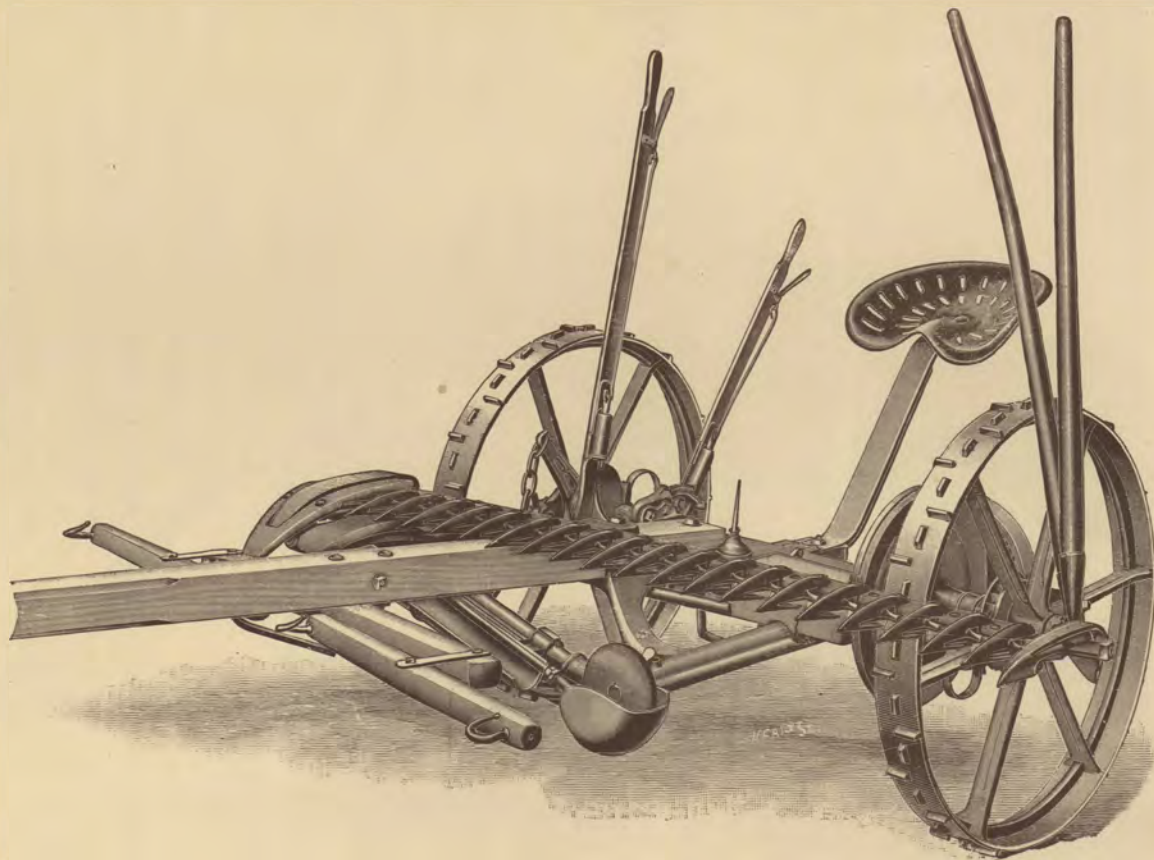
It will cut any grass that grows, and cut the most grass in the shortest time.

It is easier kept in condition, and will stand more hard knocks than any other mower.

It is easier to handle, and easier to ride upon.

The Driving Wheels are two inches higher than before.

NEW STANDARD GEAR BUCKEYE MOWER 1902



READY FOR THE ROAD. ALL WORCESTER MOWERS HAVE FOLDING BARS.

THE GEARING in a Worcester Standard Gear Mower is *mechanically correct*. We use two sets of gears, and we use bevel gears, *but we put the bevel gears where they belong*, for slow speed, and use spur gears for quick speed.

This allows the highest possible development of speed with the least wear and tear upon gearing. The shape of gear teeth is planed theoretically correct, which insures a perfect bearing the whole length of tooth.

The principle of gearing is right. It contributes very materially to the strength and durability of the mower, and explains why a Buckeye Mower runs so long, and generally outwears any other style.

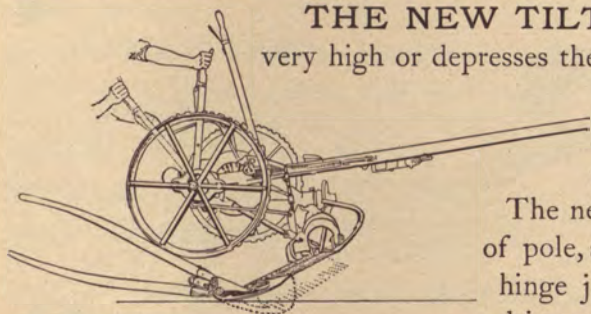


Gearing is fitted with **ROLLER BEARINGS**, as shown in cut, made from the toughest hardened steel.

THE POLE bolts solidly to machine. This ensures more rigidity and less vibration to the mower when running.

THE DOUBLE HINGE BAR CONNECTION is one of the strongest and most popular features in the Worcester Buckeye, and has given it a reputation for getting over rough places, and cleaning up uneven fields that no other mower has equalled.

The Bar has a freedom of movement as near human-arm action as mechanical skill can make it. It gets at any kind of grass under any and all conditions. Perfectly adjusted ; strongest construction.



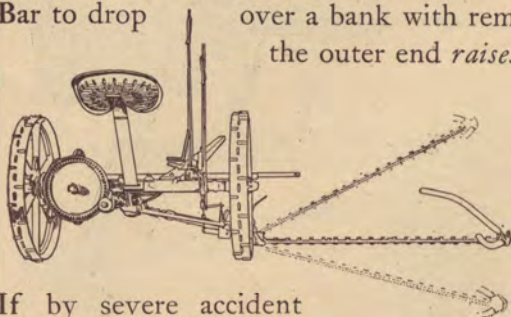
THE NEW TILTING DEVICE tilts the fingers very high or depresses them close to the ground, as required, enabling machine to cut any kind of lodged grass *as no other mower will do*.

The new Tilting Lever works independent of pole, and rocks Bar on a long sleeve on a hinge joint. It is within easy reach of the driver, works easily *and is positive*. There's many a mower built lacking these strong features.

THE DOUBLE HINGE BAR JOINT allows Bar to fold flat across the mower, and makes it perfectly safe for transportation on the road. When

your mower is stored away for the winter the Cutter Bar is safe from accident, and mower is taking up least possible space.

THE NEW BAR CONNECTIONS are very flexible and allow the Bar to drop over a bank with remarkable and natural ease, and when lifted the outer end *raises level with inner end.*



If by severe accident (and this is most unlikely to occur) the bar is thrown out of line, a few turns in the take-up screw at end brings it into proper position.

THE PITMAN FENDER, shown in cut, illustrates how thoroughly the Pitman rod is protected, and absolutely prevents damage from contact with obstructions.

THE PITMAN ROD is made larger at the scythe end to connect with large scythe eye, and has hole drilled in end to provide for taking up wear in eye. It is made of extra tough steel and can be bent *cold* into any shape without breaking.

The accompanying cut shows a remarkable test of our



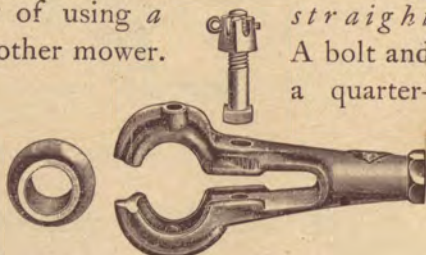
Pitman rod stock and how it can be bent without heating.



motion of bar, and so constructed as to allow of using a *straight crank pin*. This is a feature not found in any other mower. A lock-nut provide for taking up wear, simply turn of nut taking up a year's wear.

We also retain the **SELF-OILING BOX**, the only oiler of its kind, perfectly simple and a sure safeguard against hot boxes.

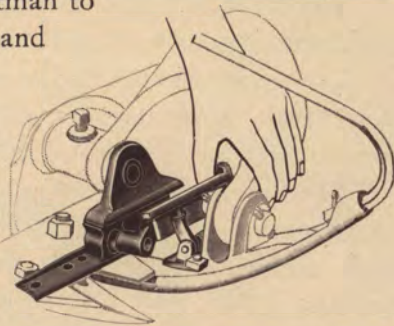
THE PITMAN BOX is adjusted to conform to the rocking motion of bar, and so constructed as to allow of using a *straight crank pin*. A bolt and a quarter-



HINGE-CAP on inside shoe allows the Pitman to be disconnected without lifting outer end of bar, and holds Pitman firmly in place.



THE CHAFE PLATES for maintaining shear cut. A vital point in a mower is in its knives, and the value of a mower depends largely upon what is done to preserve the life and cutting qualities of these knives. If nothing is done to prevent them from wearing and separating from the plates, the mower is of about as much value for cutting purposes as an old pair of scissors with a loose rivet; results being that the grass is torn off or pulled up by the roots, with consequent wear and tear on the machine and horse.



Our Chafe Plates are made of the best hardened steel (not soft iron) bolted firmly between guard fingers. They support rear of knife, maintaining it in level position, to form the perfect shear cut with plate in guard finger.



Fig 1.



Fig. 2.

Figure 1 represents the guard finger with blade of knife held in position by chafe plates, showing perfect shear cut.

Figure 2 shows guard finger without chafe plate, with rear support worn away, causing rear end of knife to drop and separate from guard plate, thus losing shear cut.

Figure 3 shows a section of finger bar with the chafe plates bolted between guard fingers.

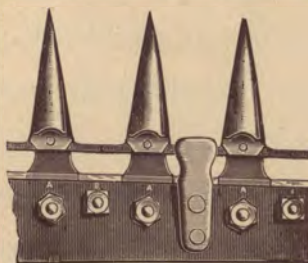


Fig. 3.

SICKLE-EDGE STEEL PLATES IN GUARD FINGERS. See illustration.

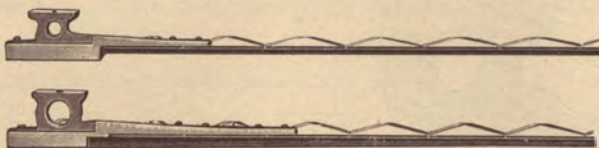


A LARGER SCYTHE EYE affords double the wearing surface heretofore used. (See cut of improved reinforced scythe back on next page showing this large scythe eye.)

THE SCYTHER BACK is reinforced by a double thickness of steel at heel, running out beyond the breaking point.

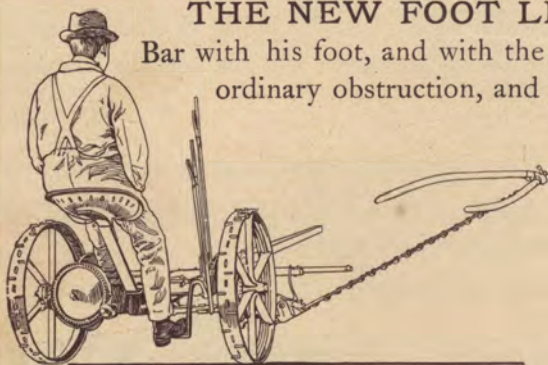
This is an original feature with us, and though Scythe Backs will sooner or later break in all mowers, *we have yet to learn of a single back breaking in our mowers* since we introduced this improvement in 1888.

The first cut shown herewith represents a Scythe with thin back as in use on all other mowers.

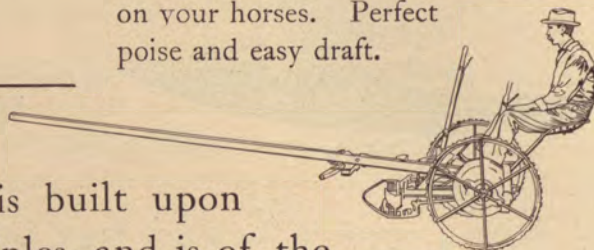


The second cut shows Scythe with our reinforced back at heel which has never broken in fourteen years of use.

THE NEW FOOT LIFT enables the driver to raise the Bar with his foot, and with the utmost ease, high enough to clear any ordinary obstruction, and have two hands to manage his team.



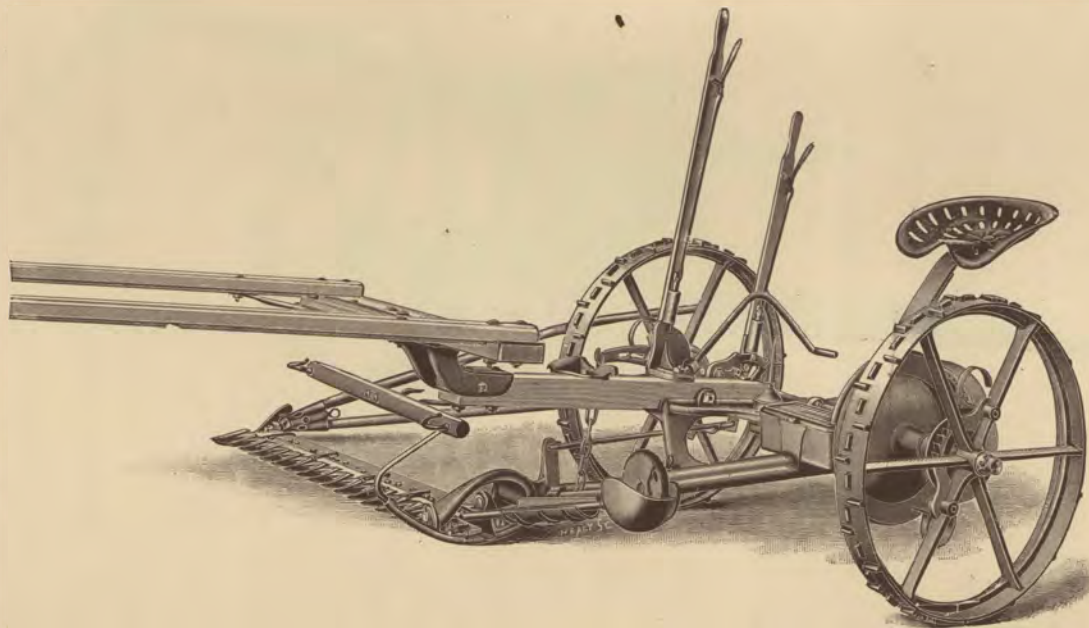
THE SEAT is placed further back, balancing the pole perfectly. Not a pound of neck-weight on team. No side-draft. No sore necks on your horses. Perfect poise and easy draft.



ALTOGETHER it is built upon correct mechanical principles, and is of the strongest and best construction. Embracing all the desirable features of mowers we have heretofore built, the **New Standard Gear Mower for 1902**, with its wholly new improvements, exhibits qualities which stamp it at first sight

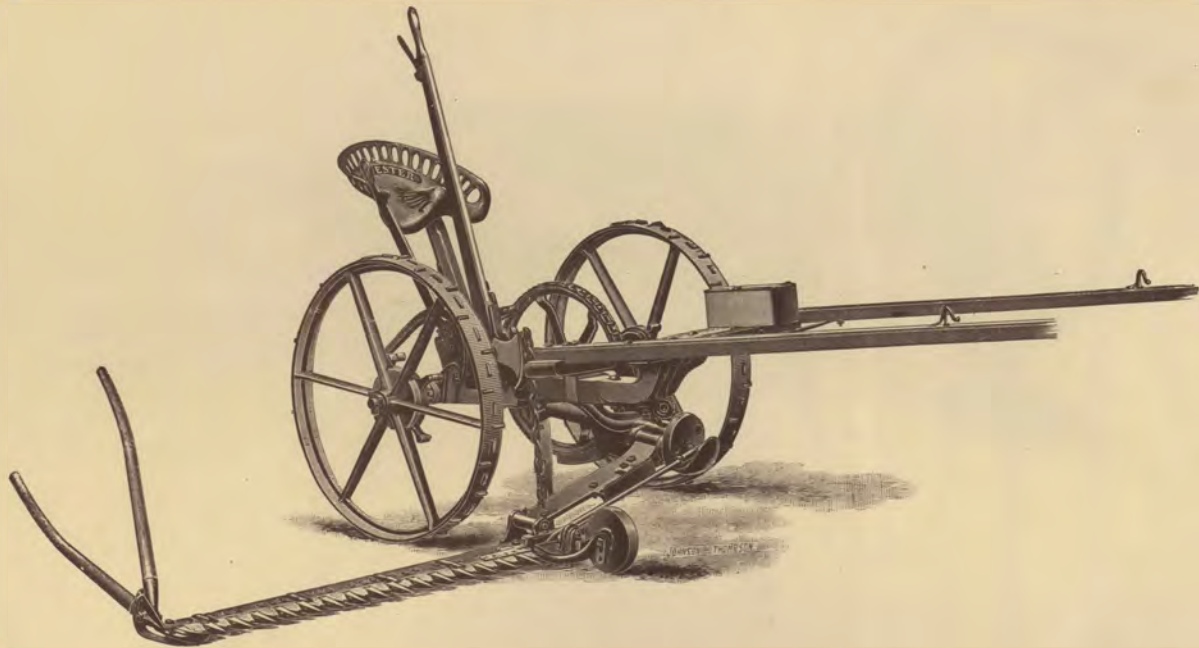
The Peer of all Mowers.

ONE-HORSE STANDARD GEAR BUCKEYE MOWER



THIS MOWER IS BUILT TO CUT $3\frac{1}{2}$ FEET AND 4 FEET.

ONE-HORSE CHAIN-GEAR MOWER



THIS MOWER IS BUILT TO CUT 4 FEET.

ONE-HORSE MOWERS

WE HAVE always taken just pride in the excellence of our One-Horse Mowers. They established a reputation for themselves years ago. They are as near perfection as it is possible for human intelligence and skill to make them, and in every point that counts for superiority we yield the palm to none.

We have built more one-horse mowers than any other maker, and even competitors who begrudge us the praise bestowed upon our two-horse machine *admit the superiority* of our one-horse mower, and they are to-day, as they always have been, unrivaled.

The One-Horse Mower is just as good—just as modern—and just as effective in every way as the two-horse mower, and has shared in all its improvements.

In some respects the One-Horse Mower *is better* than the two-horse. Being smaller, the parts have to be smaller, and therefore have to be made more carefully and more carefully fitted.

Mowers we have built, which have been in use continuously for from 25 to 35 years, prove the truth of our assertion, that they are *the best built, strongest, most durable, do the best work and last the longest.*

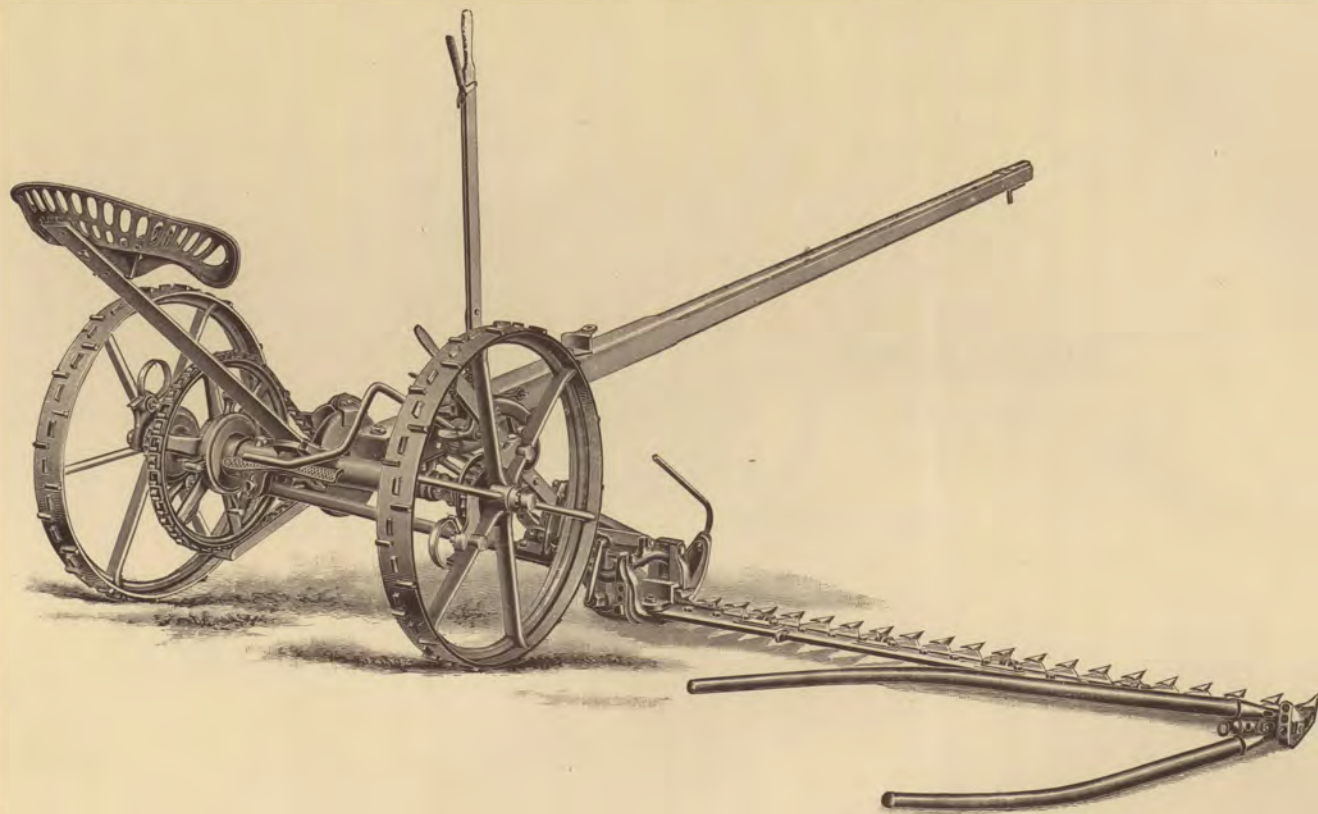
One horse pulls the one-horse mower just as easily as two horses do the larger machine.

The horse walks right up next to standing grass.

This is a standard machine with us, and has never been a side-issue as a one-horse mower is with many makers. It has just as much care and attention bestowed upon its improvement as the two-horse mower.

We build One-Horse Mowers in either the Worcester Standard Gear Buckeye, or the Chain Gear models. See cuts and price list.

THE AMERICA CHAIN-GEAR MOWER



THIS MOWER IS BUILT TO CUT 4½ FEET AND 5 FEET.

AMERICA CHAIN GEAR MOWER

FOR those who advocate the Chain Gear Mower, we want to say, the America Chain Gear Mower, which we first brought out three years ago, represents to-day *all that is latest and best* in Chain Gear Mowers.

The "America" has been thoroughly tested through three haying seasons, and has fulfilled every promise.

The 1902 model will have many advantages possessed by the Standard Gear Mower, and in addition, some features that are applicable only to the chain gear principle.

THE BAR CONSTRUCTION is of the strongest and best character. The Bar does not get out of line *and cannot sag*.

This is a most important feature in the construction of a mower, as every farmer knows. In the "America" we have overcome the objection which is raised against mowers of other makes, and pride ourselves upon this strong point in favor of the "America."

THE TILTING DEVICE is arranged to raise the fingers very high, or depress them low, and will pick up any kind of lodged grass.

The "America" has the new Foot Lift, which raises the bar extra high, and very easy.

It has the new Coupling-link in chain, so that chain can be taken off without removing the gearing.

A NEW PITMAN and connections.

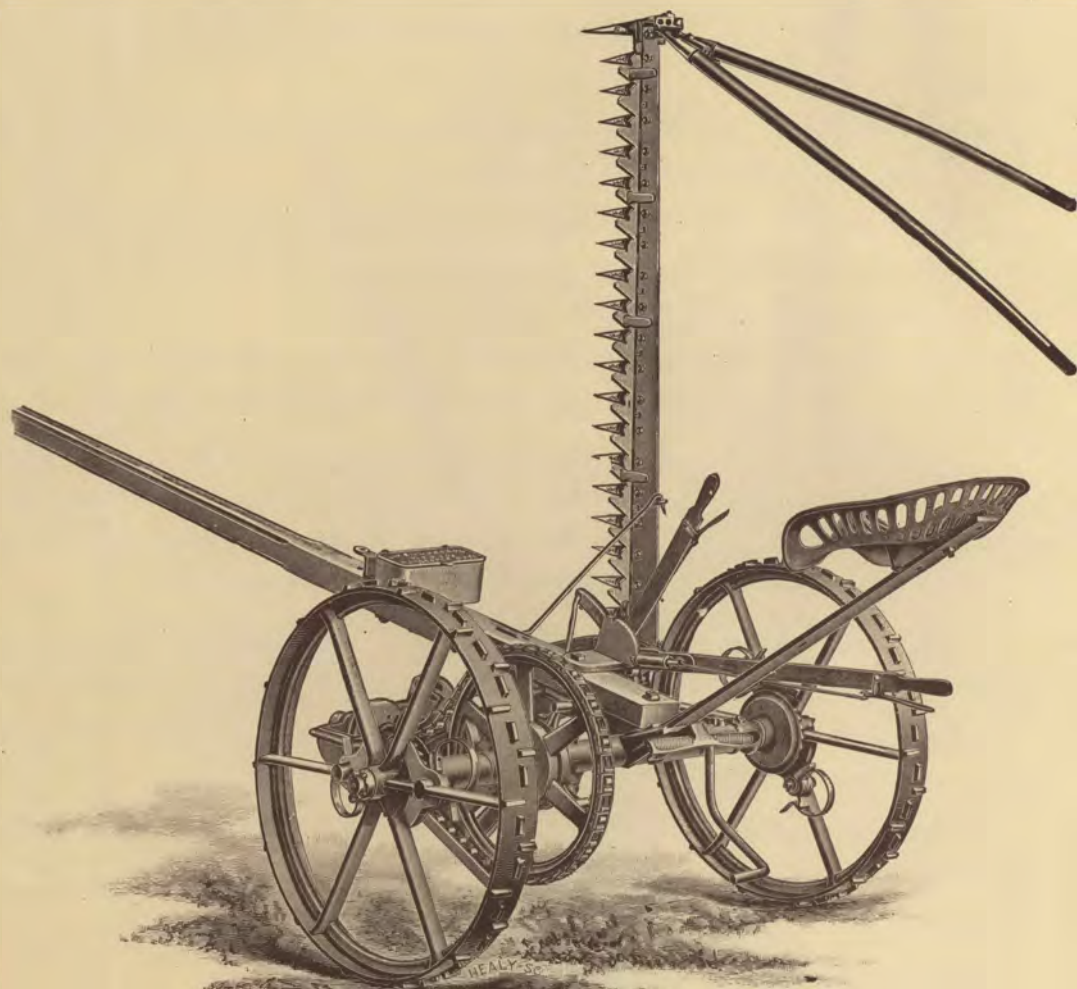
LARGE DRIVE WHEELS, and light draft.

The "America" is made for two horses only, $4\frac{1}{2}$ and 5 feet.

This mower represents the highest possible achievement in chain-gear principles, and we guarantee it in every respect.

We are still prepared to build the old style Worcester Chain Gear Mower for those who prefer it—2 Horse, $4\frac{1}{2}$, 5 and 6 foot; 1 Horse, 4 foot.

AMERICA CHAIN-GEAR MOWER



THIS MOWER IS BUILT TO CUT
4½ FEET AND 5 FEET.

POINTS TO REMEMBER

WE not only claim to build *the best mower made*, but we absolutely guarantee each and every assertion we make in its behalf.

We do not claim to build the cheapest mower, and make no effort to compete with those builders who sell a mower at a low price and ever afterward hold over the purchaser *a standing mortgage* in the shape of a continual need of repairs, *upon which the maker gets more profit than on the original sale.*

We charge a fair price for the mower, then furnish such repairs as are needed (and these are few) at a minimum price.

Further, we build a mower in such a way as to insure the least possible breakage, *and the lowest possible cost for repairs.* And we save you the valuable time, during haying season when time is precious, that a cheap mower loses you by being laid up for repairs.

Every mower we build is run and thoroughly tested before it is sent out, and no mower is allowed to leave our works until it is pronounced perfect, even to the smallest detail of material and workmanship, so that when you purchase a Worcester mower you get a machine that is all ready for field work without any necessity of tinkering.

CAUTION — PURCHASE YOUR REPAIRS OF THE MAKERS, OR THEIR DULY AUTHORIZED AGENTS, who guarantee that all parts are interchangeable and are made to fit. Further, we use only the best of materials and employ only the best mechanics; whereas parts you purchase from others who have no interest in maintaining the reputation of our machines, are quite likely to be inferior in both material and workmanship.

See that our Trade Mark as below appears on all parts you purchase, like this cut, excepting on the knives and sections, which are marked like this cut at right and as shown below :



**R. MFG. CO.
WORCESTER.**



PRICE LIST FOR 1902

Worcester Standard Gear Buckeye Mower, 6 ft.	\$
Worcester Standard Gear Buckeye Mower, 5 ft.	\$
Worcester Standard Gear Buckeye Mower, 4 ft. 6 in.	\$
Worcester Standard Gear Buckeye Mower, 3 ft. 6 in., 1 horse,	\$
Worcester Standard Gear Buckeye Mower, 4 ft., 1 horse,	\$
America Chain Gear Mower, - - 5 ft.	\$
America Chain Gear Mower, - 4 ft. 6 in.	\$
Worcester Chain Gear Mower, - 4 ft., 1 horse,	\$
Worcester Horse Rake, 8 ft., 20 teeth,	\$
Worcester Horse Rake, 8 ft., 24 or 26 teeth,	\$
Worcester Horse Rake, 10 ft., 24 or 30 teeth,	\$
Bullard Hay Tedder, 6 fork,	\$
Bullard Hay Tedder, 8 fork, 2 horse,	\$
Worcester Steel Tedder, 6 fork,	\$

Each Mower is furnished with two complete Scythes, two extra Knife Sections, two extra Guard Fingers, Screw Wrench, Punch, Oil Can, Rivets, Bolts, Whiffletrees, Evener and Neck-Yoke.

Warranty

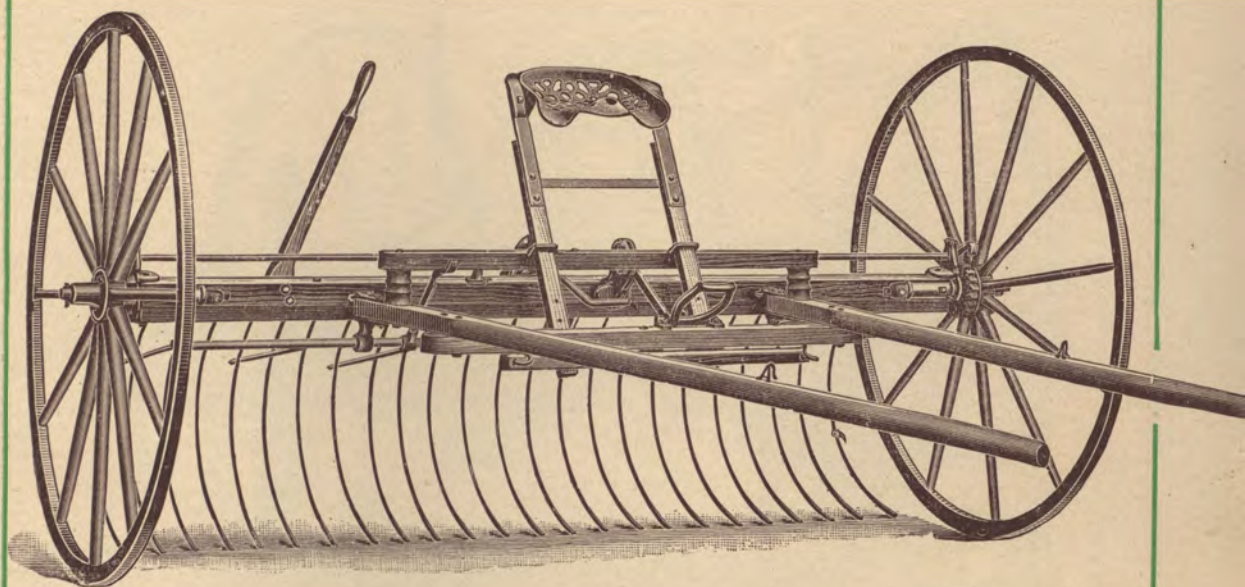
All our Machines are warranted to be well built, of good material, and capable of doing good work in grass at the rate of ONE ACRE PER HOUR, or Ten to Fifteen acres per day with a pair of horses.

In case anything proves defective when the machine is 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 does not work after this, and the fault is in the machine, it will be taken back and the money 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.

THE RICHARDSON MANUFACTURING CO.

THE WORCESTER HORSE RAKE



THIS Rake is well known, and has won an enviable reputation wherever it has gone. Its popularity is steadily growing, and it is rapidly replacing other rakes everywhere.

It is simple in construction, strong and reliable.

It will rake rough places or smooth ground equally well.

It will rake heavy hay, green hay or scatterings.

It has flattened sled-runner-shaped teeth, which after years of wear are still sharp and serviceable, *and it does not pull up the grass roots.*

It has the best steel tires, steel axles and hickory wheels. It has the best self-dumping device ever seen.

It has an adjustable seat, which can be changed in an instant to suit either tall or short driver.

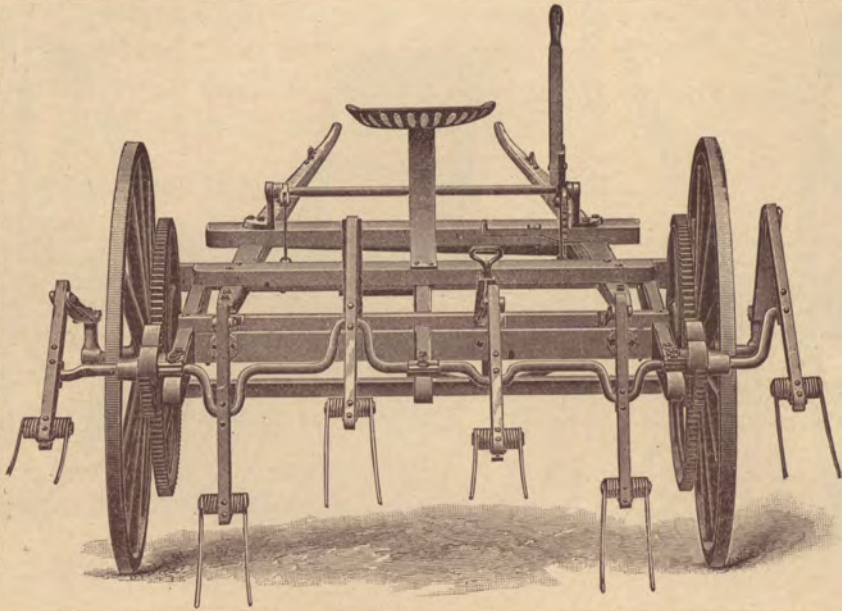
It dumps hay bottom-side up for drying.

Special Attention is called to the improved Carrying device in the 1902 Rake, for holding rake-head up when dumped, and carrying it any desired distance before dropping.

The 1902 Model will have a spur fastened to end teeth, which absolutely prevents hay from rolling out at end, as per this illustration.

The Worcester Rake is made ALL STEEL construction if preferred by our customers.

THE BULLARD HAY TEDDER



THIS is the Standard Hay Tedder of America.

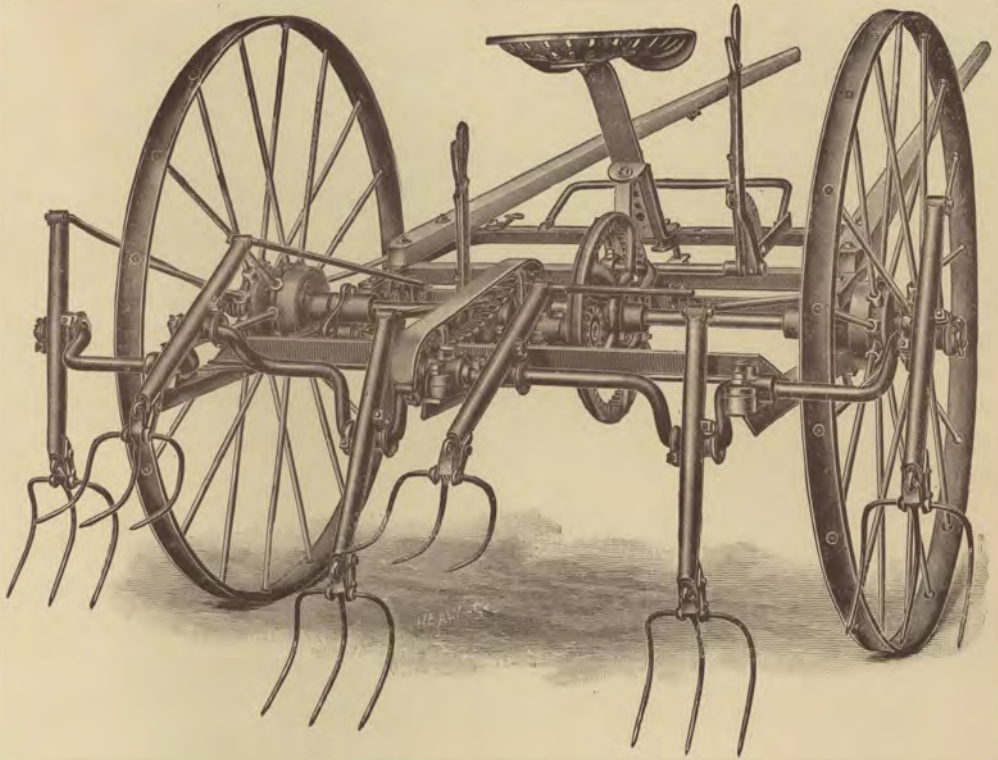
Compared with many tedders on the market, the Bullard is like gold to brass. Others look well, *but they don't wear well.*

The Bullard Tedder takes the hay up from the bottom, shakes it in the air, and leaves it lightly on the ground for the sun and air to complete the work.

The forks of a Bullard Tedder never clog. They extend outside the wheels, and hay that has been tedded is not run over and matted down.

If you want to get a Tedder that will do its work in the right way, with the least fuss and bother, and give you the most lasting satisfaction, buy a Bullard.

THE WORCESTER STEEL TEDDER

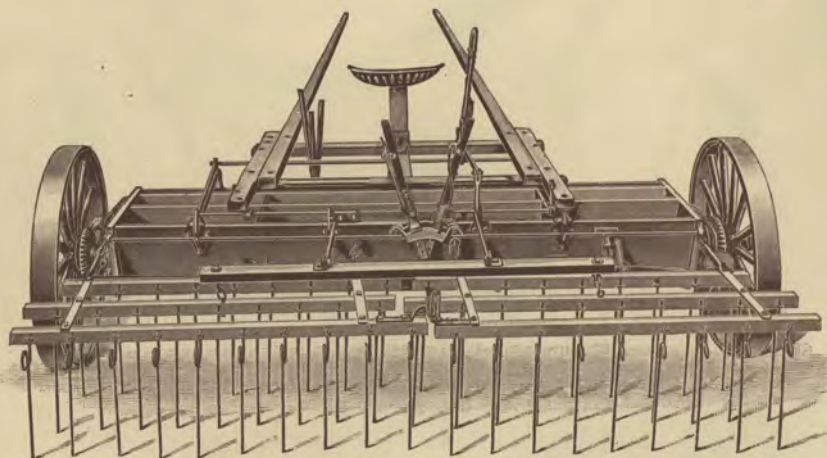


THERE are many farmers who prefer an all-steel construction, and to meet the demands of such, we have brought out this new Tedder. The cut shown represents nearly every detail of same. It is built on the principle of the Bullard, the Forks extending outside of wheels, and with combination for either one or two horses.

The Worcester Steel Tedder has roller bearings. It is built of best materials throughout. We have the greatest confidence in it and believe it will prove to be the best all-steel tedder made.

THE WORCESTER BROADCAST SEED AND FERTILIZER SOWER

Patented April 24, 1900.



This machine will sow Grass Seed, Grain and Fertilizer, all in the same operation, or it will sow any one or any two independent of the others, with or without the Harrow attachment, as is desired.

THE KEMP MANURE SPREADER



Many recent improvements. The strongest and most reliable spreader built.

It will spread the roughest and toughest manure better than it is possible to do by hand. Is gauged to put out accurately from 5 to 40 loads per acre, as desired.

Send for special circular describing these machines.

