

THE
JOHNSTON
HARVESTER
COMPANY,
BATAVIA, N.Y.,
U.S.A.

GREETING.

*I*N THE ANNALS of The Johnston Harvester Company the year 1898 will long be remembered. In the struggle between nature's bounty and that department of mechanical industry devoted to the reaping of her harvests, nature has won a victory. In other words, the demand for our line of harvesting machinery, owing to the bounteous crops the wide world over, supplemented by the natural growth in our favor, exceeded our most sanguine expectations. But this victory is only temporary, and with the very large additions to our factory, we shall be able to increase our output to an extent that will supply the growing demand for our machines. We acknowledge the responsibility that the popularity of our machines entails and shall use every effort to discharge it.

It is a source of great gratification that, at the end of nearly half a century, our policy of producing machines of the best quality ONLY should receive so marked an endorsement. For the coming year no pains will be spared to maintain the high reputation our machines have acquired. All the old favorites will line up for the fray. The "Bonnie" Binder, victorious in many a field, will hold the center; the Mowers, Hay Rakes and Disk Harrows will join on right and left; while the flanks will be held by the "Continental" Reaper and Corn Harvesters, prize winners whose reputation is world wide. With such a phalanx, uniting strength, science and adaptability, and with the co-operation of our old friends (which we hereby bespeak), we will make 1899 another banner year in our history.

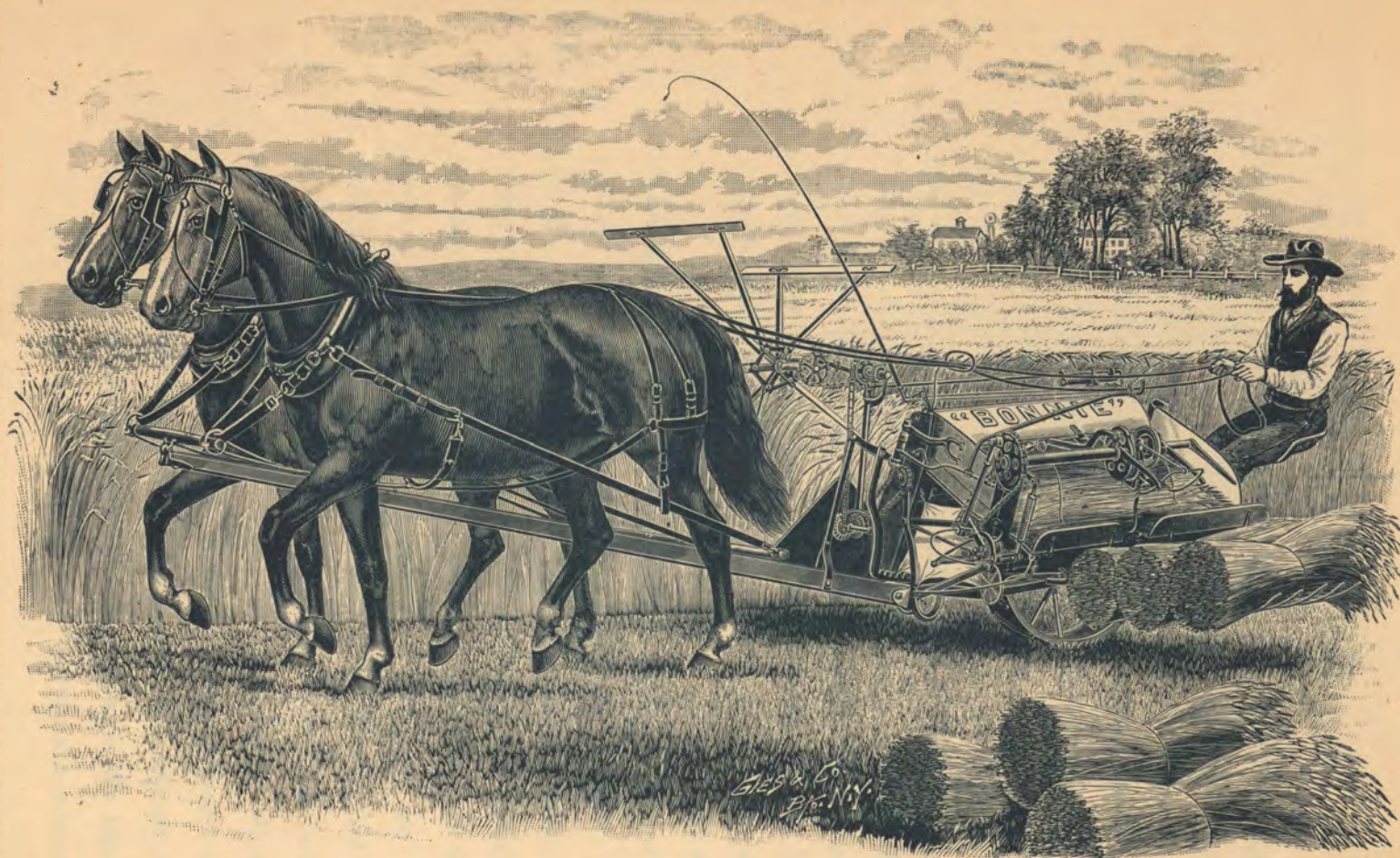
The
Johnston
Harvester Co.
Batavia, N. Y.,
U. S. A.



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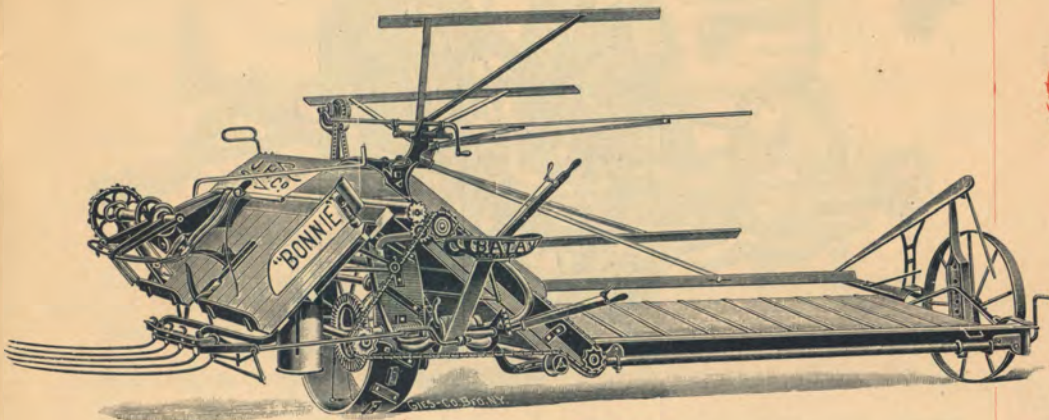
Page 1



The "Bonnie" Binder, Complete.

The "Bonnie" Binder.

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The "Bonnie" possesses surpassing merit and remains unexcelled. Its compactness and simplicity of structure are apparent. We invite the closest examination and comparison. It is perfect from bottom to top, from end to end, and all the way through. A maximum of durability, convenience and efficiency, with a minimum of machinery.

The harvest field gives the test from which there is no appeal and the splendid work of the "Bonnie," its steadiness, light draft and durability, show that the problem of obtaining a practical light binder is solved.

The past season was made notable by the complete success of the Right-hand "Bonnie" and we are confident that the present year will add greatly to its well-earned prestige.

We shall present closer views of various parts of the "Bonnie" and the simple devices for operating. These are all so adapted as to insure effectiveness of operation and superior quality of work in the field.

The
Practical
Light
Binder

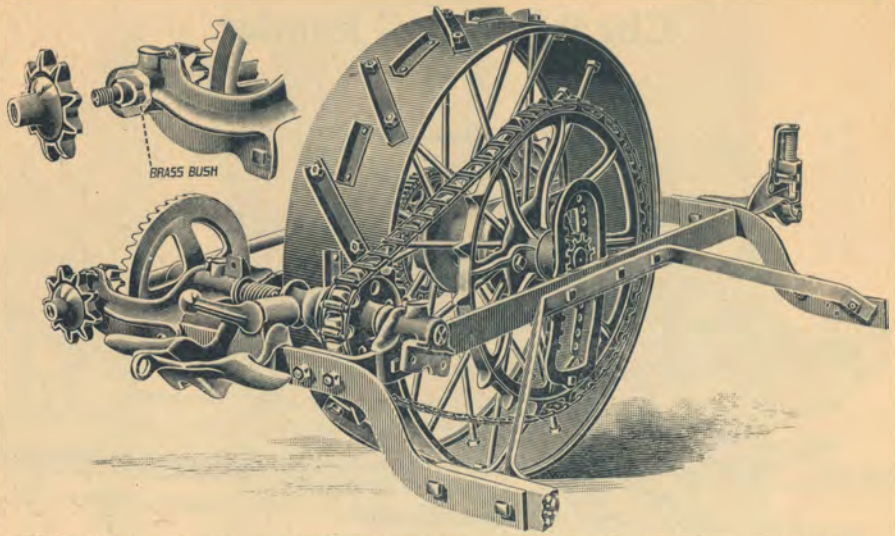
Right
Hand

"Trifles make perfection, but perfection is no trifle."

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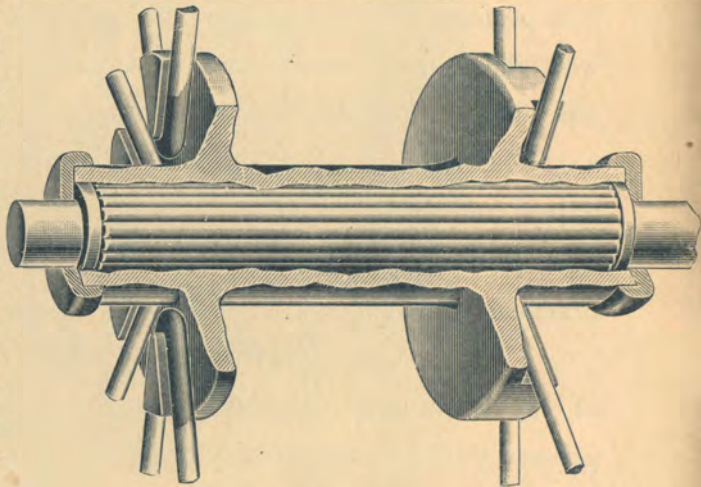
**Substantial
Foundation**



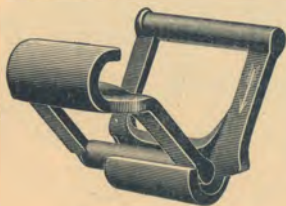
These very essential parts are in every way substantial. The vitals of the machine are in this foundation. There is not a weak place in it. The parts are very strong and exactly adjusted to their purpose. All possible complications are eliminated. The result is a splendid specimen of practical mechanics and we have a foundation which will bear any strain to which it is likely to be subjected.

**Roller
Bearings**

The driving wheel is steel and fitted with roller bearings; its face is broad, giving powerful traction and adapting the binder to soils soft from rains or sand.

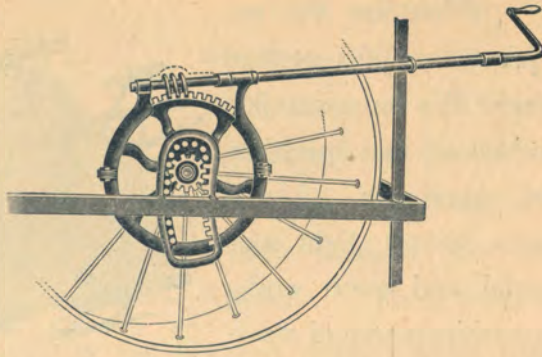


**Steel
Chain**



The driving sprocket is of large diameter and detachable. The short, strong links of the driving chain are made of the best steel. Our link is shaped scientifically to give the greatest strength with the lightest weight.

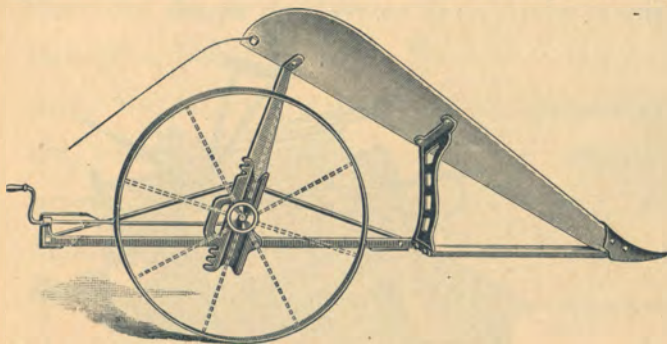
It is evident, from a view of this simple mechanism, that the "Bonnie" can be easily and quickly raised or lowered. A few turns of the crank and the worm gear



does the work to perfection. The inner or outer end may be raised separately, permitting the inner end to run higher if wanted, a very convenient and desirable feature. This device always works, and it works easily and quickly—no more can be asked. We have used it for years and nothing is better.

A malleable shield, made in two parts, covers the raising gear, and keeps out the dirt and dust. The segment has a wide range, which enables the operator to adjust the machine to meet all conditions of crops.

The steel grain wheel is light and strong, without a superfluous ounce in weight, with broad rounded face to avoid friction and being depressed into the ground. The light and graceful divider, with its spring steel truss, has the curves of



When this wheel drops into a hole you will have no trouble. It has the qualities of strength and lightness.

least resistance and is easily and instantly adjusted by the worm gear.

The "Bonnie" grain wheel and divider are valuable features.

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**The True
Method of
Raising and
Lowering**

**Steel
Truss**



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**Range of
Reel**

**Free
Action**

**Least
Possible
Jar**

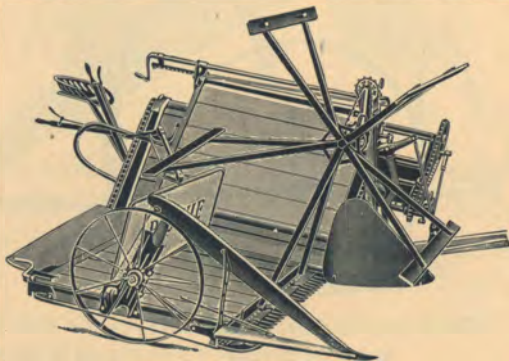
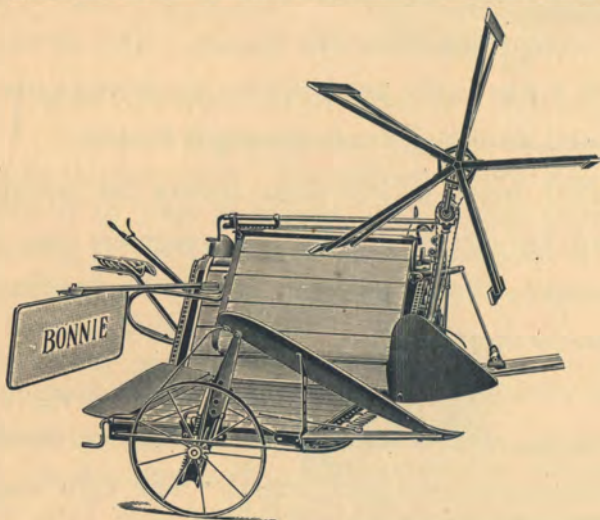
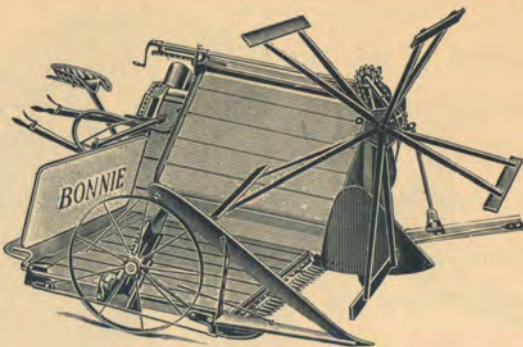
What are the requirements of a perfect reel? We have candidly asked this question of experience. Along with strong, light material and good workmanship, it should move

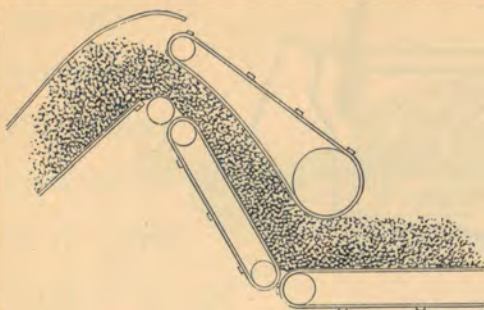
up and down, forward and backward, easily and quickly, by the operation of a single lever. Its axis must be set and remain

absolutely true, so as to run steadily. It must never bind or cramp and in no position should it interfere with the rest of the machinery. The reel of the "Bonnie" fulfills these requirements.

A single lever controls all movements of the reel through a range of adjustment which no other reel can equal.

From its exact balance the machine runs with the least possible jar. This, with the perfect ease of every manipulation, makes the "Bonnie" the delight of the operator.



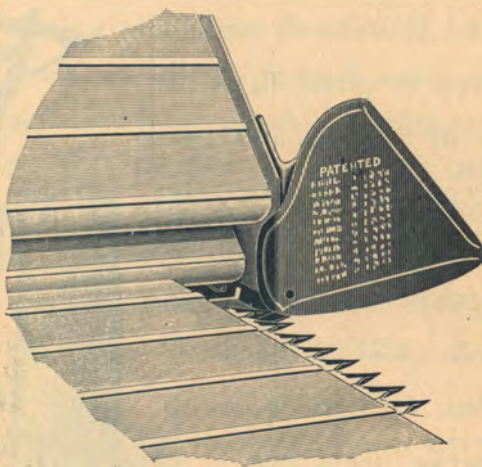


The elevators, on which so much depends, where clogging and snarling have been inevitable in so many machines, are always efficient on the "Bonnie." These eleva-

tors are never overtaxed in the heaviest grain. Their construction is perfect and the material is selected with the strictest care. The canvas remains firm and taut, and never sags. The *large roller* has proved a valuable improvement. The elevators are neither too high nor too low, but just right, and the owners of "Bonnie" Binders purchased the past few seasons are very enthusiastic over this valuable feature. The great capacity of the elevators has surprised everyone.

The "Bonnie" elevates large or small bunches of grain.

The elevators extend well in front of the platform canvas and knives. The elevators and the platform canvas are joined so closely and in such manner that there can be no possible leakage. There is positively no clogging. Let the volume of grain be large or small, it moves smoothly and steadily forward, sure as the stream of time. The platform canvas runs close to the knife.



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**Elevators
of Great
Capacity**

**No
Clogging
or Waste**



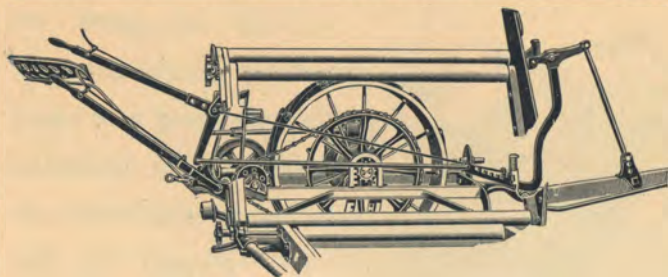
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**Perfect
Tilt**

Decks

**Steel
Sheaf
Carrier**



The convenient and perfect tilt of the "Bonnie" is a most valuable

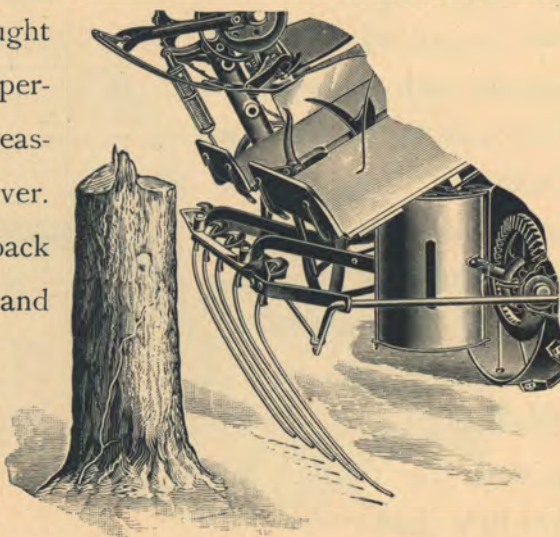
feature. Simple and effective connections permit easy adjustment of the machine from the seat.

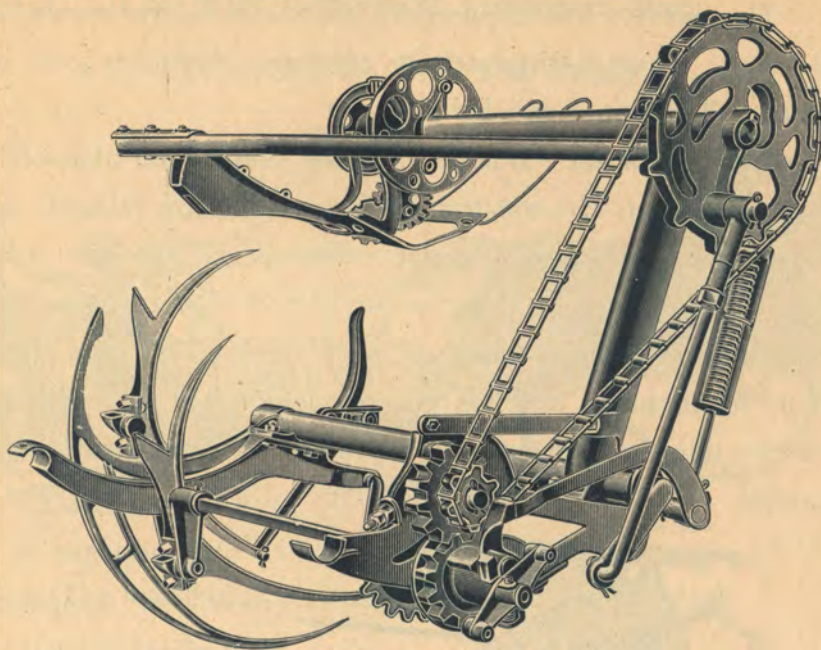
The levers are used with the right hand, and are located close to the seat, within touch of the driver and very convenient.

The decks have a very steep slant, and the grain moves with greatest ease to the packers.

The "Bonnie" is perfectly balanced, is as pleasant as the simplest reaper to ride upon, and is very easily operated.

Rearward trailing bundle carrier. It is shifted with the binder attachment. It carries its load easily and dumps it quickly, and is instantly brought back to place. It is perfectly balanced and is easily operated by a foot lever. The steel fingers fold back against the machine and will avoid all obstacles. There is no carrier made that is superior to this one.



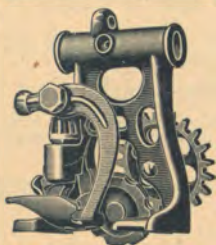


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**The
Reliable
Binder**

"Does the binder bind?" is a crucial question. The wear and tear of nerve and temper, the waste of time when here and there an unbound sheaf is dropped, are entirely needless. Let the grain be long or short, straight or tangled, the "Bonnie binds every bundle. The binding mechanism is infallible. It does its work like a skillful artisan, deftly, without waste of energy. It is thoroughly practical in every detail. Its parts are of the finest steel. The best skill of inventor and mechanic has united to perfect it. It turns out a tight and shapely bundle, and discharges it with the least possible expenditure of power.



The trip spring and compressor spring are adjusted independently but with the same adjusting nut.

We were the first to use the chain drive on the binder, and its use is very satisfactory to us and gratifying to our patrons.

**A Sure
Knotter**



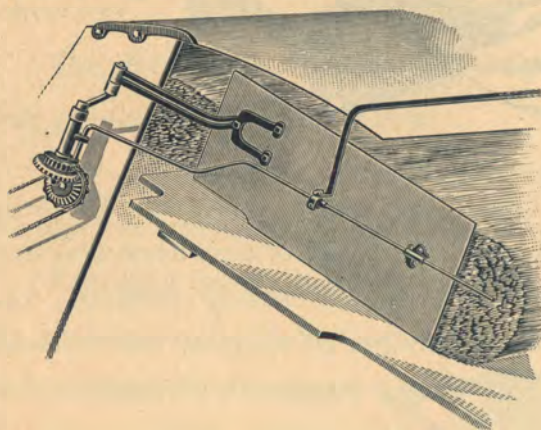
Trip

Durable
and
Practical
Adjuster

Butts
Even

The packers and connections are run in safety detachable oil boxes. There is absolutely no cramping of packer arms or shaft. All friction is avoided.

The trip of the "Bonnie" is very simple and absolutely certain in action. Its construction is such that it is (almost) impossible for it to get out of order. Our special automatic trip simplified and perfected, works surely and regularly, giving a uniform sheaf. The manipulator need have no concern about failure to discharge and consequent clogging of the machine. Further, this trip prevents the repeating and making of small bundles.



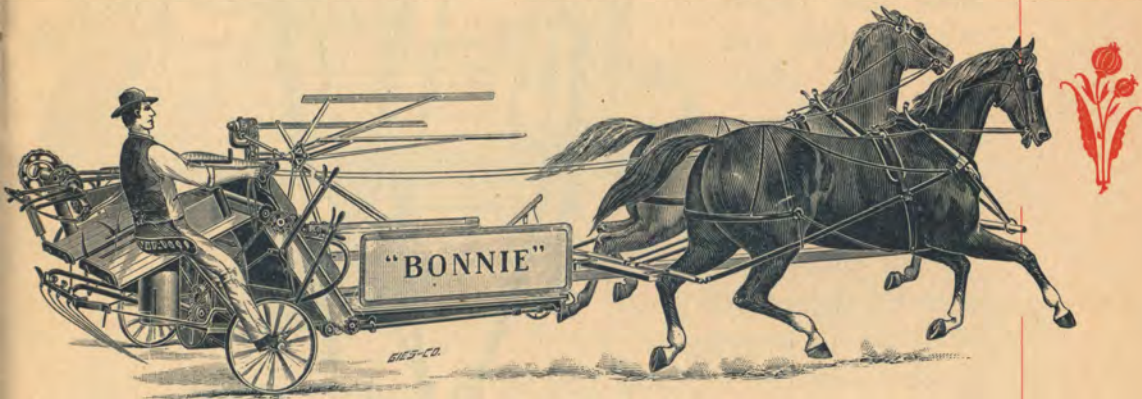
Our adjuster is a model of simplicity and efficiency. Of all adjusters brought to our notice it is the best. The light slippery grain, until confined, is extremely unruly. It must be handled very deftly,

and the movement of the adjuster must be just right, or a tangled, shapeless bundle will result. This adjuster moves so smoothly and correctly that there is no disturbance of the straw. The grain is pressed into place and the butts evened up with wonderful precision. A lever at the driver's side moves the adjuster quickly forward or backward (on the deck) adapting it to long or short grain. A test of several seasons has clearly demonstrated the excellence of our adjuster. It is light, strong and durable.

The Most Convenient Transport Made.

It is Strong, Safe and Handy.

The Johnston
Harvester Co.
Batavia, N. Y.



The machine is very easily loaded upon this truck.
The "Bonnie" upon its transport is nicely balanced.
Every part of the binder is protected while on the road.
The steel platform is stiff and strong ; no danger of twisting.
It has a convenient platform wing or flag, which is easily adjusted forward or backward by the operator, at will, while the machine is in motion.

**Handy
Transport**

Our patent whipping device leaves the driver's hands free to handle the team and operate the levers. The driver simply pulls a rod and cracks his whip, or touches the near or off horse at will. It will be found only on our type of binders.

**Whipping
Device**

The lightest draft has been attained in the "Bonnie" without sacrificing strength, capacity or durability.

**Lightest
Draft**

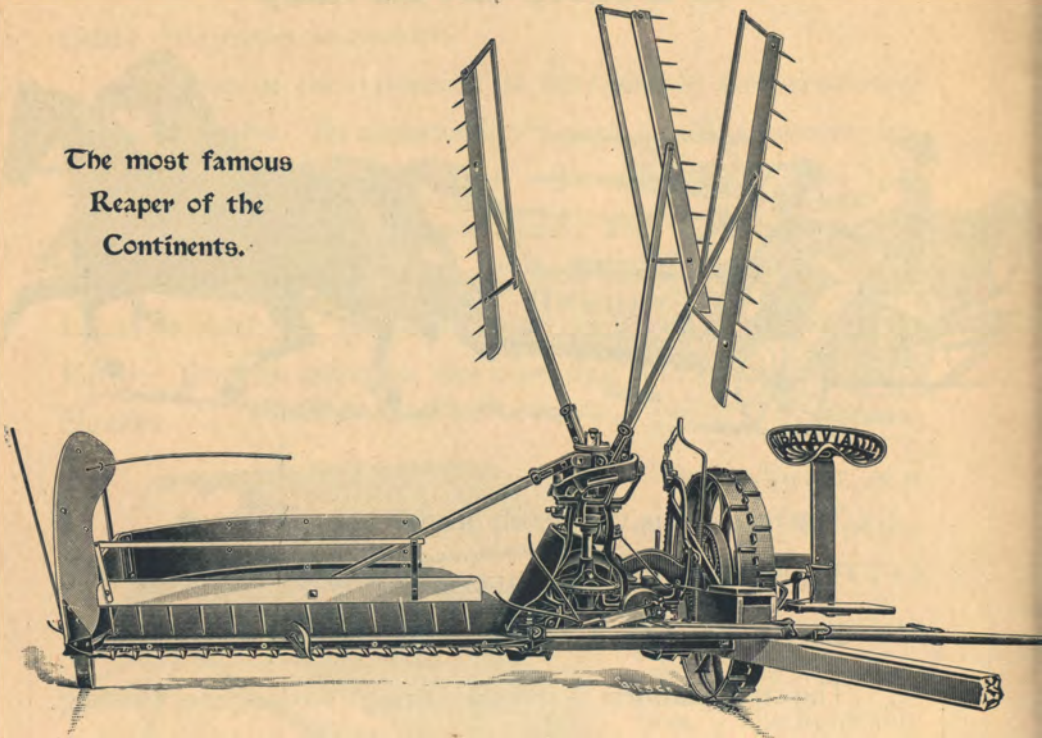
Sizes: { 5 feet 6 inches, 22-section knife.
 { 6 feet 6 inches, 26-section knife.

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"Continental" Reaper.

The most famous
Reaper of the
Continents.



It is the great prize winner of the world.

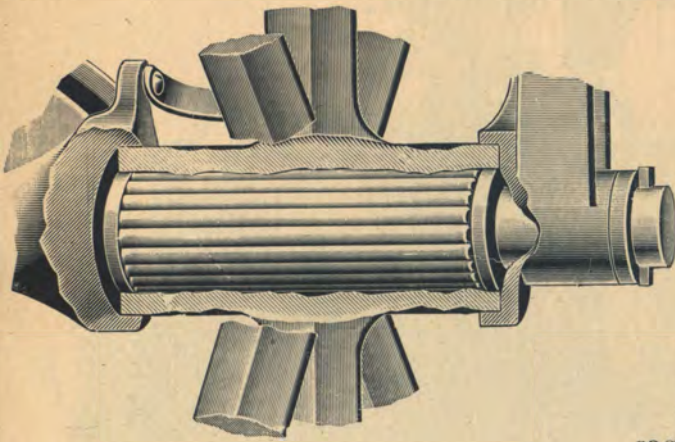
Thousands of farmers throughout the grain-growing districts of the globe stand ready to maintain the correctness of our seemingly broad assertion, and there is no one who has ever used one but will be a swift advocate of its well-founded fame.

One of its distinguishing features is its high standard. As the rakes revolve, when they reach the finger bar they are parallel with it the whole length, dropping perpendicularly into the grain, and the gavel, when discharged, is square and in the best shape for binding. The gearing is enclosed.

The cam is of malleable iron, thus rendering breakage impossible, and is so constructed that the rake blades sweep the table throughout their entire length. The tilt is perfect.

The platform is so constructed as to combine the greatest strength with the least weight. It is easily folded.

High Rake
Standard

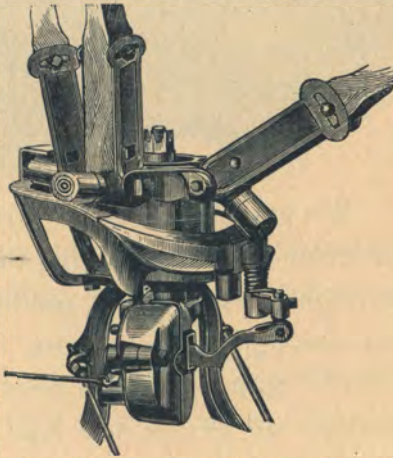


Roller bearings are nicely adapted to this reaper and their use reduces the draft.

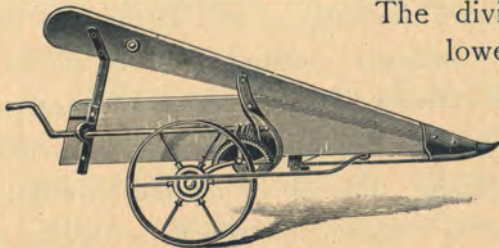
The main sill is bolted to a bar of angle steel, and a strong truss rod extending its entire length prevents sagging of the platform.

The rake arms are of the best grade of selected hickory, while the gavel laid by the "Continental" is the joy of the binder, being straight and clean. The machine is perfectly balanced.

The "Continental" Reaper is provided with both automatic and foot trips. The automatic trip, which is within easy reach of the driver's hand, is a simple patented device by which every second, third, fourth or fifth rake can be made to sweep the platform, at his option. The delivery of a gavel can be prevented at any time in turning corners or in thin grain (it is always under the driver's control). By using the swathing switch every rake will sweep the table; this is frequently very desirable.



**Automatic
and
Foot Trips**



Grain Wheel and Outer Divider.

The divider is readily raised or lowered by means of a worm gear, which device has been used for many years with best results. It requires only a few turns of the crank to raise or lower,



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**Swathing
Switch**



Corn Harvester.



**Unparalleled
Success**

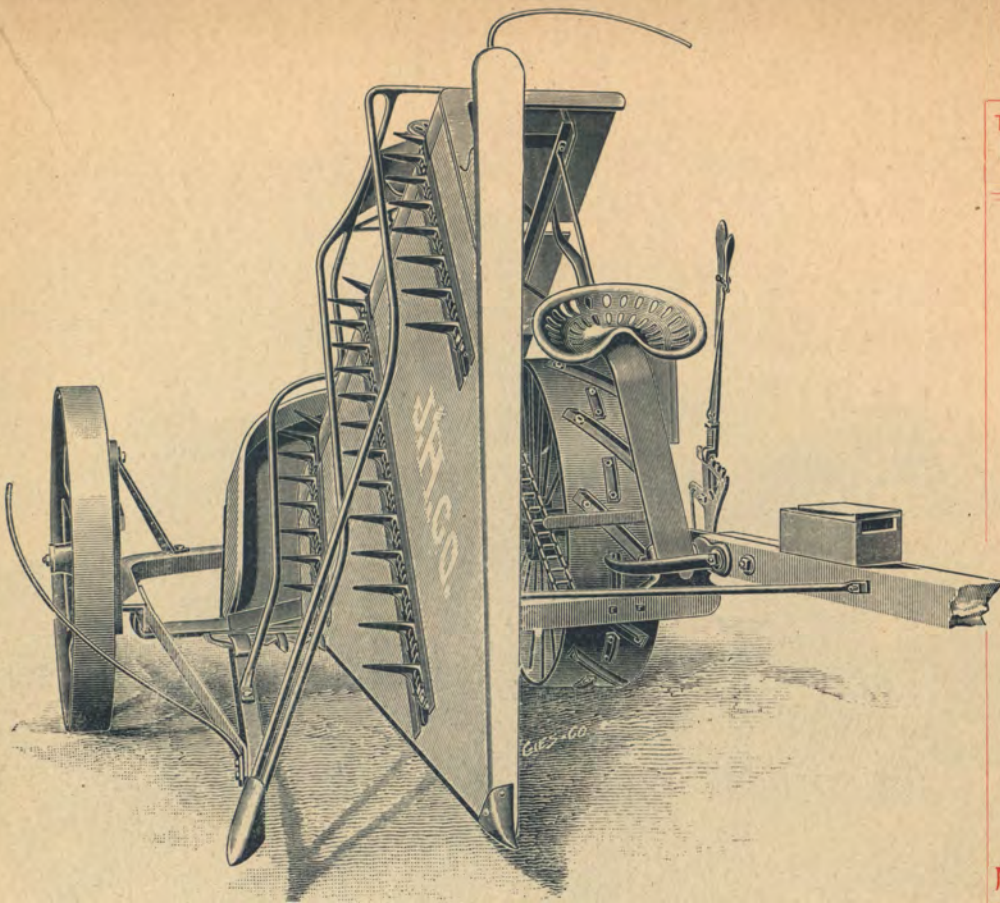
**Perfect
Elevation**

**Gathering
fingers**

We have reason to be proud of the unparalleled success of our Corn Harvester during the season of 1898. It has been thoroughly tested in all conditions of corn, and in diversified fields throughout the country.

We do not claim to bind corn in a vertical or horizontal position; we elevate and bind the corn in an inclined position. The bundles are bound compactly, with even butts, and without the multiplicity of devices used by others to keep the corn in place.

Our gathering fingers carry the butts as well as the tops of the stalks in a uniformly inclined position to the binder attachment. The fold in our gathering fingers permits a positive contact with the stalk, and does not release it until it is carried to the proper position for binding, thus obviating the crowding or wedging tendency found in construction which necessitates the use of a slanting gathering tooth.



The Johnstone
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Batavia, N. Y.



No Agitator
No Packers

Cutting
Capacity

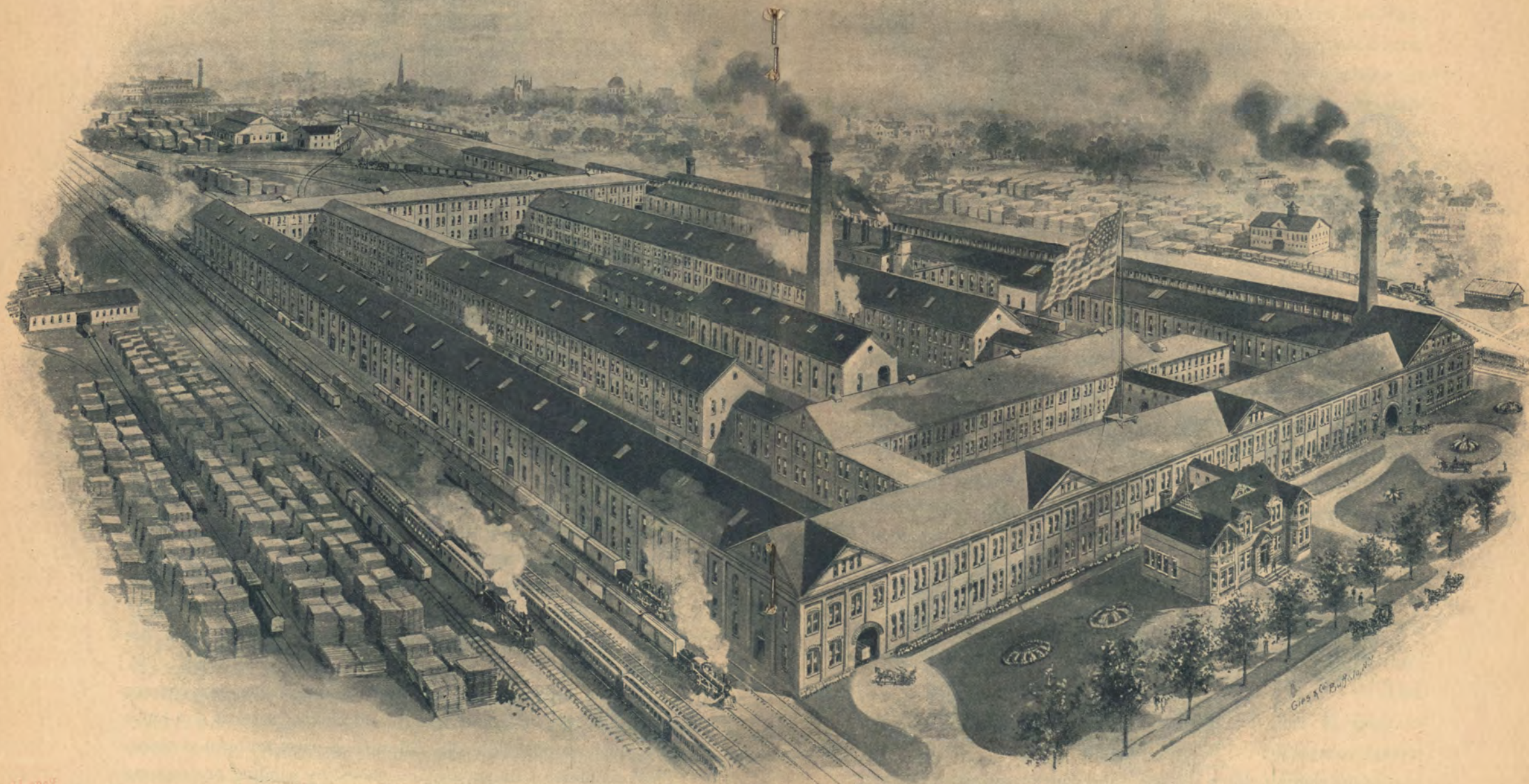
A Perfect
Balance

We do not use an agitator to butt up the bundles endwise, nor packers to pound off the ears, as found in vertical and horizontal machines.

Our cutting mechanism has ample capacity, and is capable of cutting at once two rows of drilled corn ten inches apart, and interspaced with grass and weeds.

A perfect balance of the machine is constantly maintained, whether the corn is long or short. Notice how the two inclinations of the stalk passage converge over the center of the master wheel.

Roller bearings, and all modern, superior appliances are used in its construction. Strength, durability, material and finish have not been lost sight of. All moving parts are well shielded. There is none of the annoyance caused by winding or dragging upon the ground, so often experienced in other machines.

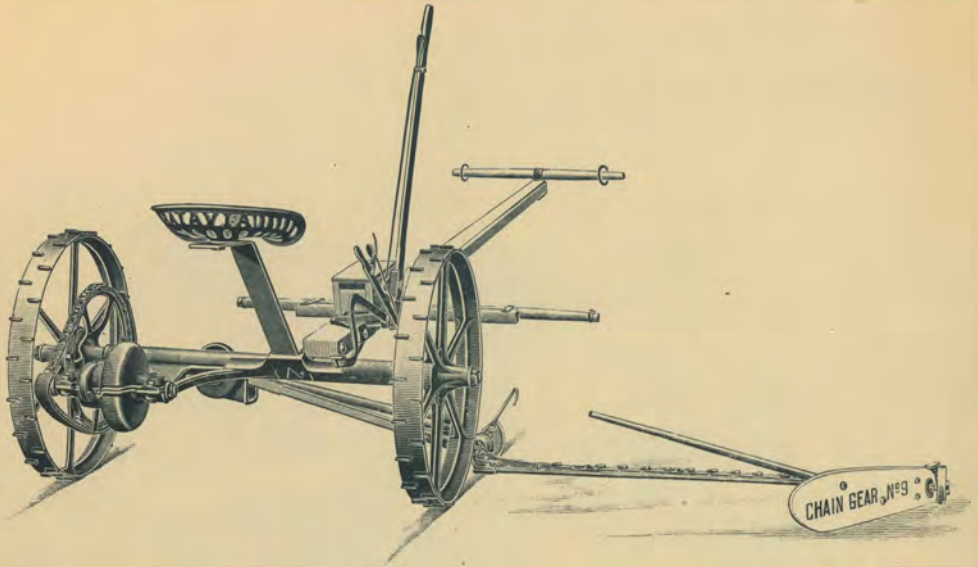


Works of The Johnston Harvester Co., Batavia, N. Y., U. S. A.

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Batavia, N. Y.



Chain Gear Mower, No. 9.

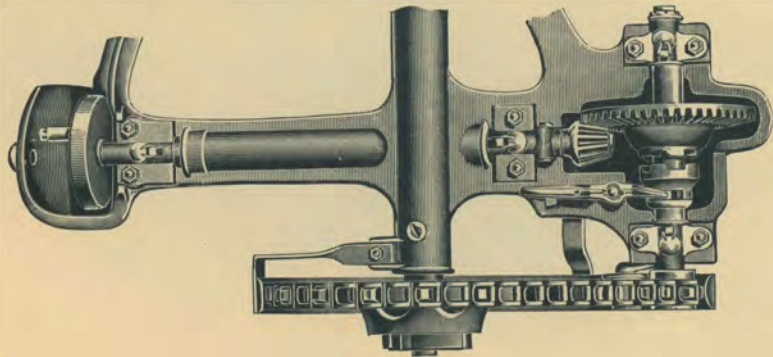


**Horizontal
Crank
Shaft**

In this mower we place the gear at the rear of the main axle, and are able to use a very long horizontal crank shaft. A long crank shaft is the salvation of a mower. It has detachable bearings.

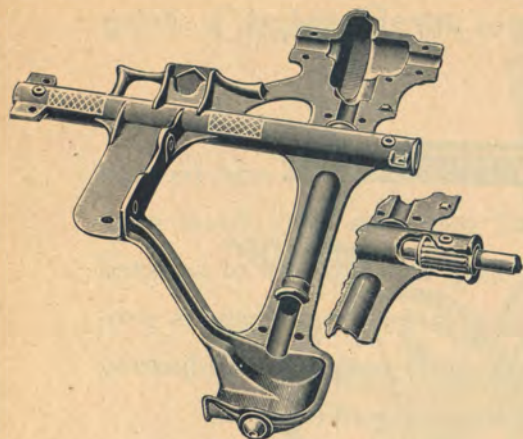
**Tempered
Steel Chain**

The drive chain is steel, skillfully tempered and very strong; it will never stretch, or jump the sprocket.



Our shifting clutch is strong and convenient, giving instant action to the knives.

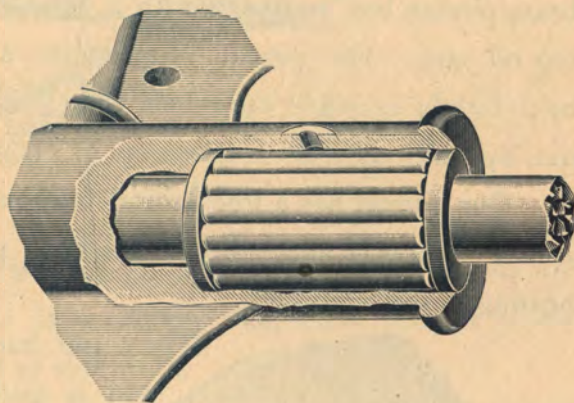




Look at the main frame. It is solid and strong as adamant.

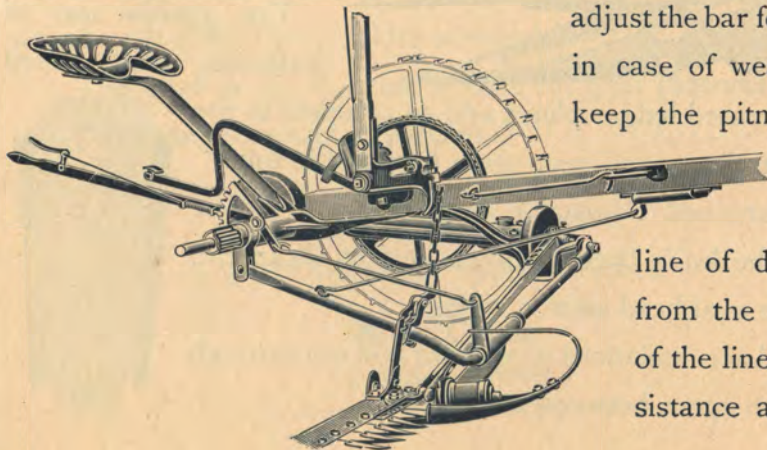
The main axle is provided with perfect roller bearings, and being properly used here, the draft of the machine is decreased. This is the only place in a mower where roller bearings are practical.

There is no foot lift so easy as this. The carrying spring acts so vigorously that the driver can easily lift the bar to the desired height. It has a perfect tilt, and the tilting and hand levers are in just the right place for easy manipulation. We use a complete rocking bar and have the strongest hinge connection



Roller Bearings

to cutter bar. The drag bar is constructed with a swivel to adjust the bar forward in case of wear and keep the pitman in line.



Strong Spring and Easy Foot Lift

The line of draft is from the center of the line of resistance and no

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**Long
Pitman**

**See
Clearance
Under
Section
Bar**

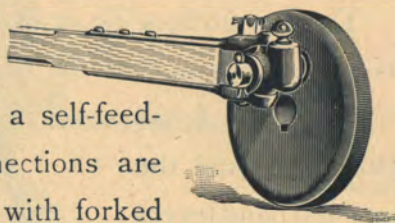


side draft can occur. Whiffletrees are attached to a sliding doubletree under the pole.

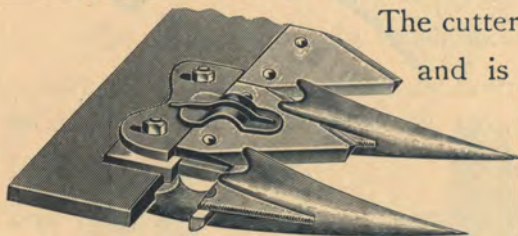


A long pitman reduces draft and secures a more direct push and pull to the knife. We use a long wood pitman of selected second-growth hickory, and steel drop forge connections provided with a spring lock, which permit removing and adjusting the knife with ease and rapidity. It is very convenient.

Connection with the pitman wheel is made by means of a brass pitman box provided with a self-feeding oil cup. The pitman connections are held tightly in place by a bolt with forked nut, by which all wear is taken up.



Our pitman has a free lateral movement, as well as horizontal. There is no binding of the wrist pin and therefore no heating in the bearings.



The cutter bar is cold rolled iron, and is thick and wide enough to resist any strain.

The guards are of malleable iron, fitted with serrated ledger plates and so attached to the bar as to brace and keep them firm and in line.

Hardened adjustable steel wearing plates, under the knife back, make a perfect shear cut. We use oval head section rivets.

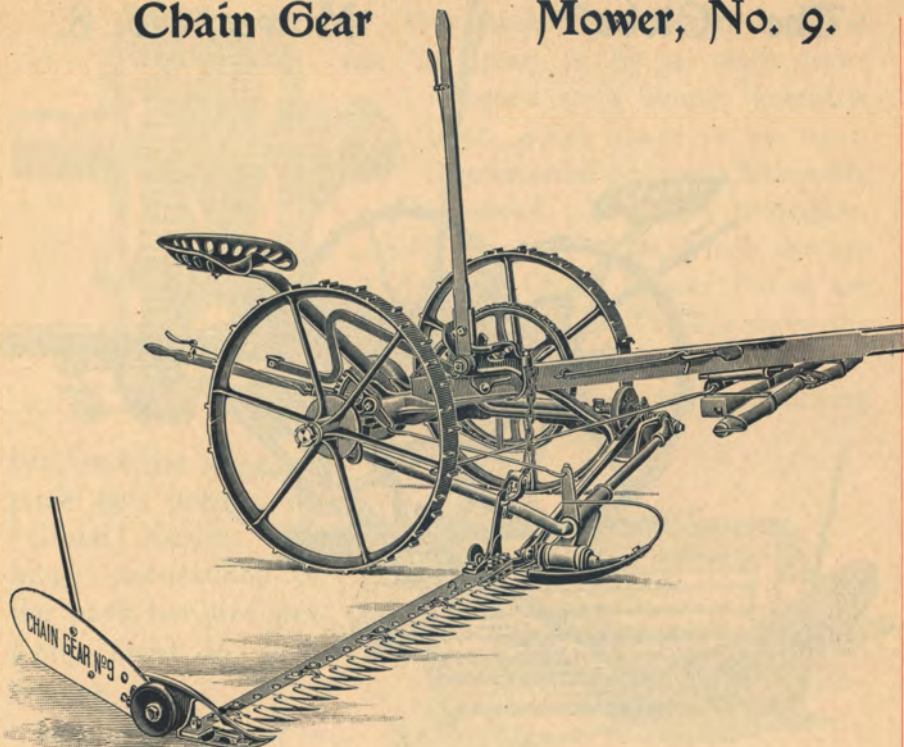
All accumulations pass down and out through the open space between the guards.



Chain Gear

Mower, No. 9.

The Johnston
Harvester Co.
Batavia, N. Y.



It is durable and a powerful cutter. The drive wheels are high, with broad face. It has a very wide truck. There is not the least neck weight or side draft.

As a wide cut we do not simply put a 5 or 6-foot bar on a narrow truck, but build a machine with wide tread, duly proportioned as it should be to width of swath.

The gear is made from perfect cut gear patterns and we can always supply exact duplicates.

Narrow Truck.

4 feet 3 inches. 4 feet 6 inches.

Wide Truck.

5 feet. 6 feet.

**A Smooth
Runner**

Sizes

The Johnston
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Batavia, N. Y.



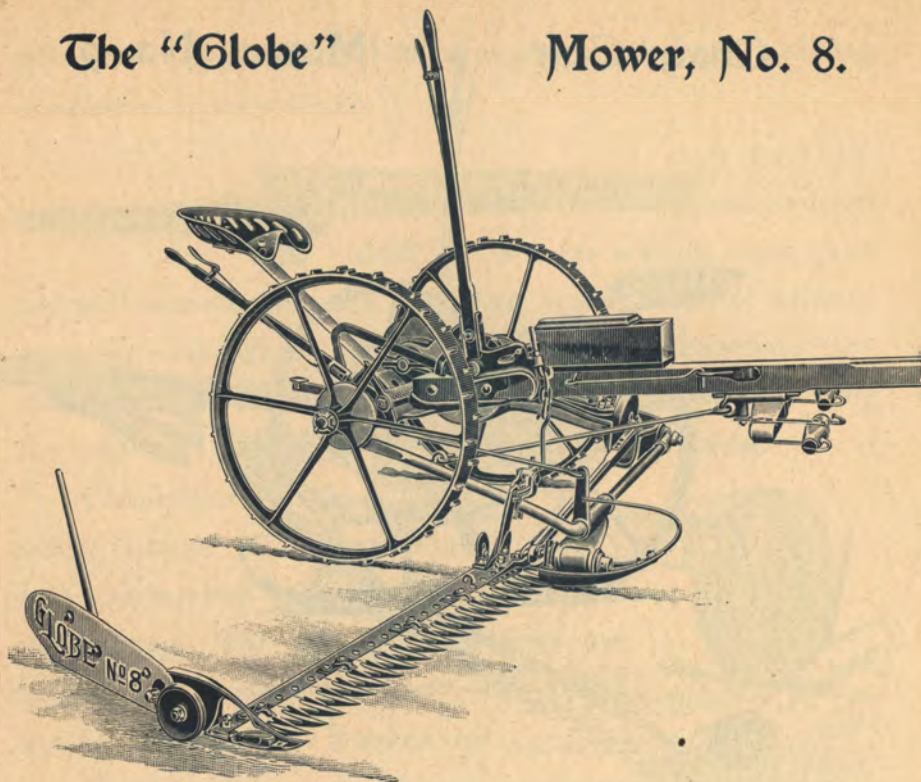
**Simple
and
Strong**

**Made in
four Sizes**

Page 22

The "Globe"

Mower, No. 8.



The mower worthy of a place anywhere on the globe.

The design and mechanical construction of the Globe Mower are simplicity itself.

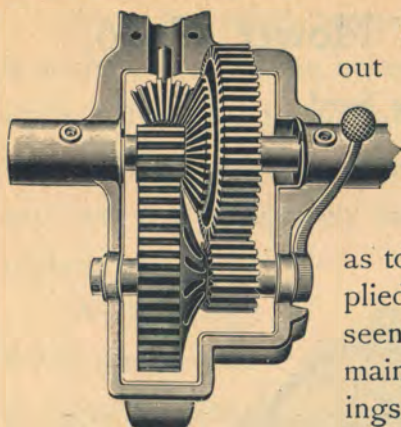
The ease and smoothness of its work, mean long life to the machine and sweet content to the operator. The points of merit in cutter bar, shoes, pitman, tilt, carrying spring, etc., have been referred to in exhibiting the No. 9 Mower and need not be repeated.

On the opposite page we show you the perfect cut gear—large and simple. In the main axle of this machine we use the most approved roller bearings, the same as in our No. 9 Mower.

The ease and facility of controlling all its movements are unexcelled by any mower. It is a very durable machine, a powerful cutter, and of very light draft.

Narrow Truck, 4 feet 3 inches and 4 feet 6 inches.

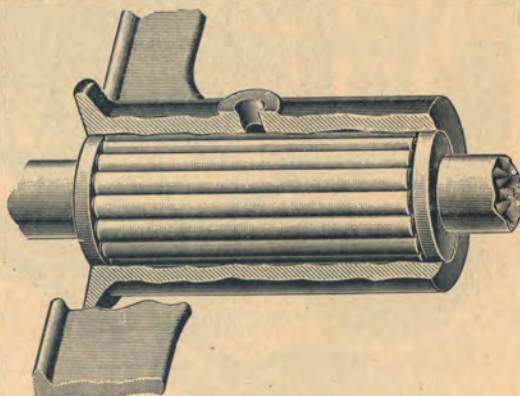
Wide Truck, 5 feet and 6 feet.



Our method of throwing into and out of gear is by a short lever attached to a simple eccentric upon which there is no wear. The internal gears can be readily removed. The same principles, as to lightness of draft, which are applied to our Chain Mower No. 9, are seen in the "Globe." We have the main axle provided with roller bearings. The sliding doubletree, rocking

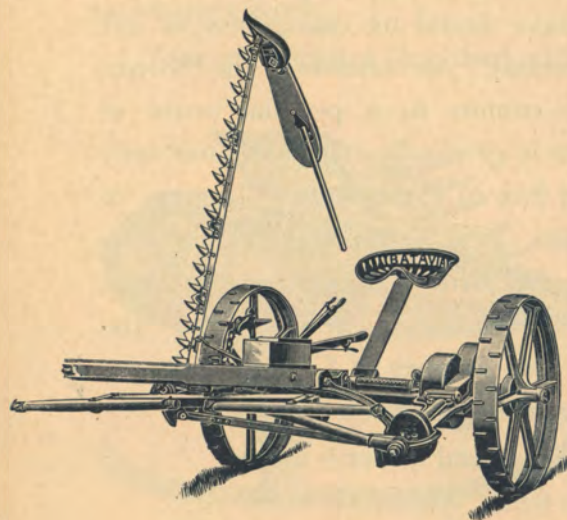
bar, and the strongest push bar, are on the "Globe" No. 8. The hinge connections on the push bar are perfectly fitted to avoid binding.

The cutter bar is readily folded for transportation; and as easily dropped to any position. Our lifting device is built on purely mechanical lines. It is not an experiment, but has been thoroughly tested.



**Roller
Bearings**

When the bar goes down to the ground it goes the whole distance, and remains there at the will of the operator.



We regard the reputation of our machines as "the apple of our eye," and the "Globe" No. 8 is one of our many valuable machines. This mower has the best of material, care in building and an elegant finish.

The Johnston
Harvester Co.
Batavia, N. Y.



**Best of
Material
and
finish.**

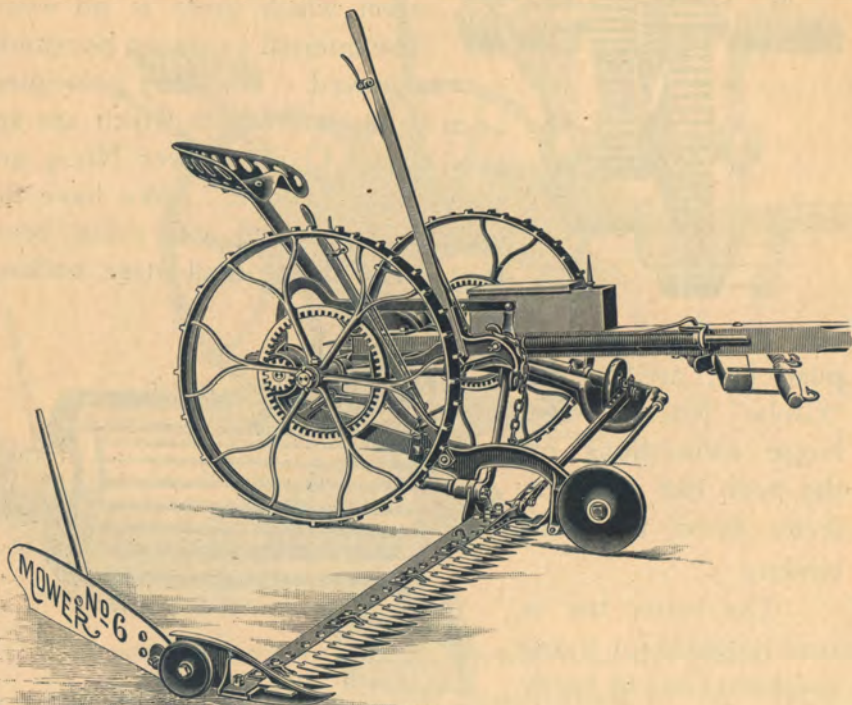
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The
Mower
of the
Continents

The "Continental" Mower, No. 6.

Changeable Speed.



This is our Changeable Speed Mower. The coming and going and changing years have found us changeless in our purpose to make the "Continental," *par excellence*, the Mower of the Continent; and we confess to a peculiar sense of gratification as we have seen it gradually becoming not only the Mower of the Continent but of Continents. It goes, in constantly increasing numbers, as a companion of our harvesters, to South America, the British Isles, Europe, Asia, Africa and Australia; and whether it comes from the green downs of England, or the Steppes of Central Asia, we hear only the same unvarying meed of praise.

Narrow truck, 4 feet 3 inches and 4 feet 6 inches.

Wide truck, 5 feet and 6 feet.

As on our other mowers, the "Continental" main frame is in one piece, and the boxes are entirely independent of the frame. They are fastened to it by wrought staples with lock nuts. Boxes wear sooner than main frames, and cost a comparatively small amount to replace.

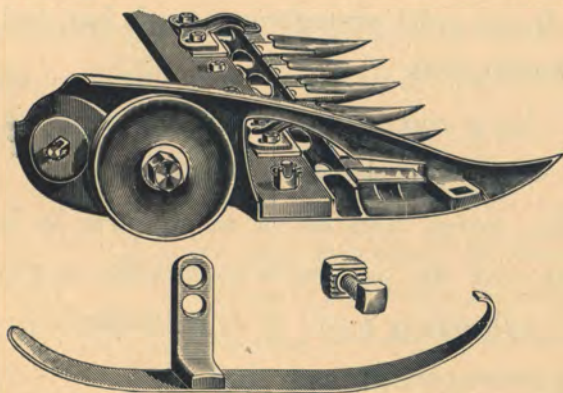
We have high drive wheels with an inner periphery of cog gearing, engaging with pinions on the main shaft, thus giving great power.

Two sets of gearing are used, one of which is idle while the other is at work. One shifting lever moves the one clutch, engaging the one set and releasing the other instantly.

In all conditions of grass—moist and boggy, thick and firm, thin and scant, heavy and wet—the "Continental" does satisfactory work.

Our mowers are furnished with either wheel or sub-sole to cut any height of stubble.

The "Continental" No. 5 is our rear cut mower. Sizes: 4 feet 6 inches, and 5 feet. It also has two speeds and all the good points of the No. 6.



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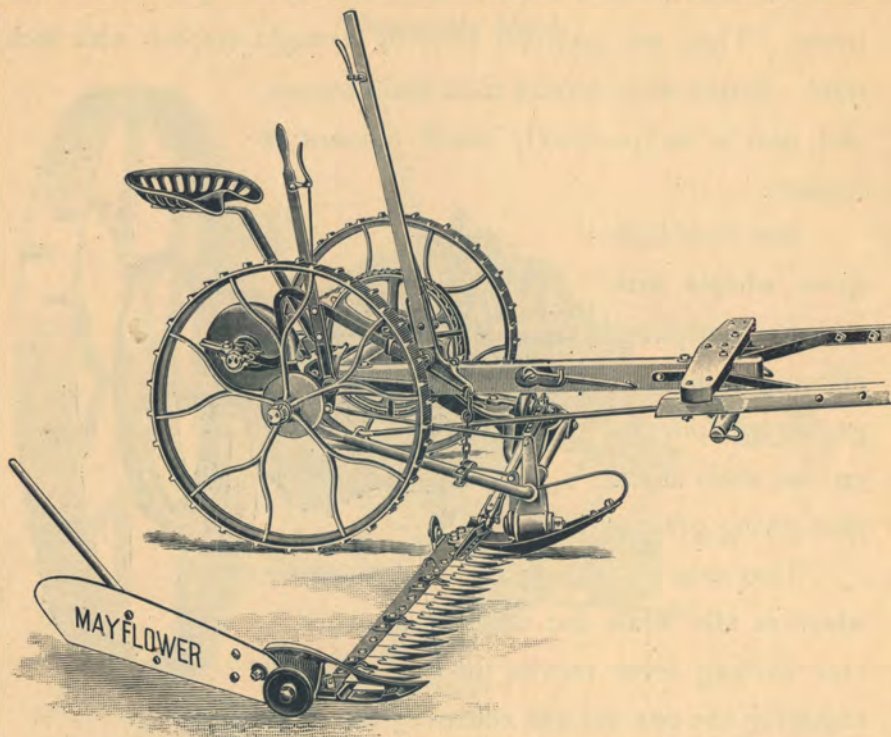
The
Double
Speed

Ready
for
Emergencies

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The "Mayflower" One-horse Mower.



**Special
Mower**

Our "Mayflower" Mower is a special machine and is competent to perform the same work as any two-horse mower except in quantity. It has only a 3 ft. 6 in. bar.

It is provided with raising and tilting levers within easy reach of the driver. It has solid wrought-iron push bar and brace, and adjustable rocking bar.

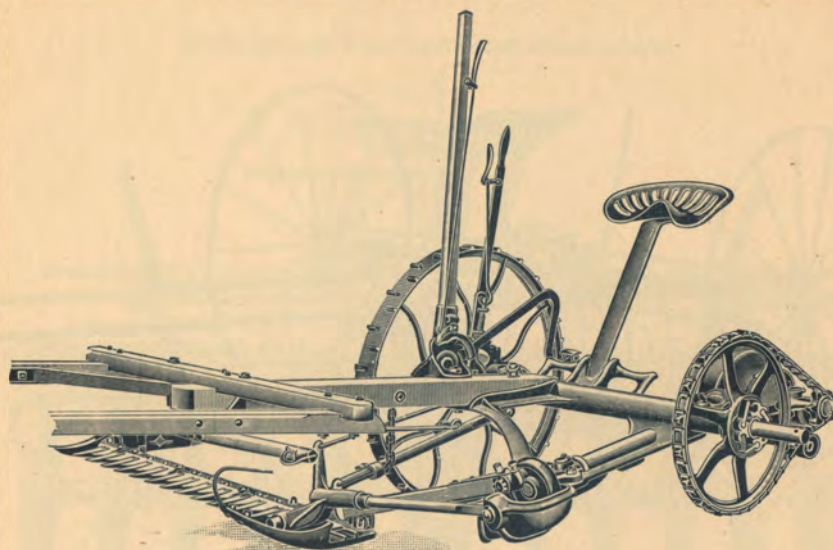
The "Mayflower" has a complete foot lift, and a strong lifting spring, scientific in principle and practical in their use.

In orchards, parks, lawns and on a small farm it is especially useful. It is easy for one horse to handle, as it is not a two-horse mower with simply a pair of thills attached.

Both operator and horse have an easy time.

**Easy Draft
for
One Horse**

Chain Drive.



The chain-drive principle is the new feature applied to the "Mayflower" Mower and has been thoroughly tested.

It also has genuine roller bearings in the main axle.

No labor or expense has been spared to make it the best one-horse mower on the market, and we confidently recommend it to our friends as such. Farmers, to be successful in their calling in these days, find it necessary to study economy in all the operations of the farm. The "Mayflower" is very economical and well adapted to its work. The original "Mayflower," with gear drive, can be furnished this year to its old friends, if they will so order.

A very good thing is our "Mayflower" Mower,
It is drawn by one horse and is always a goer ;
Just the thing for a man on a few-acred farm,
It is made for endurance and works like a charm.

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New
features

The Best
One-horse
Mower

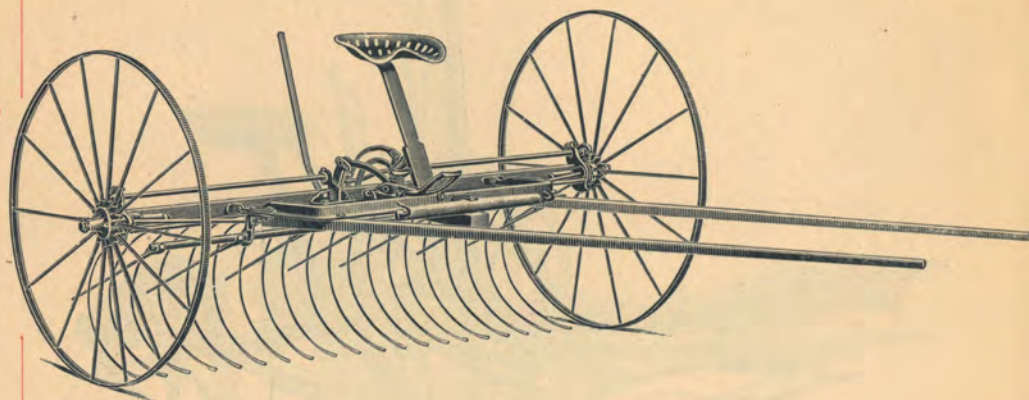


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The "Globe" Rake.



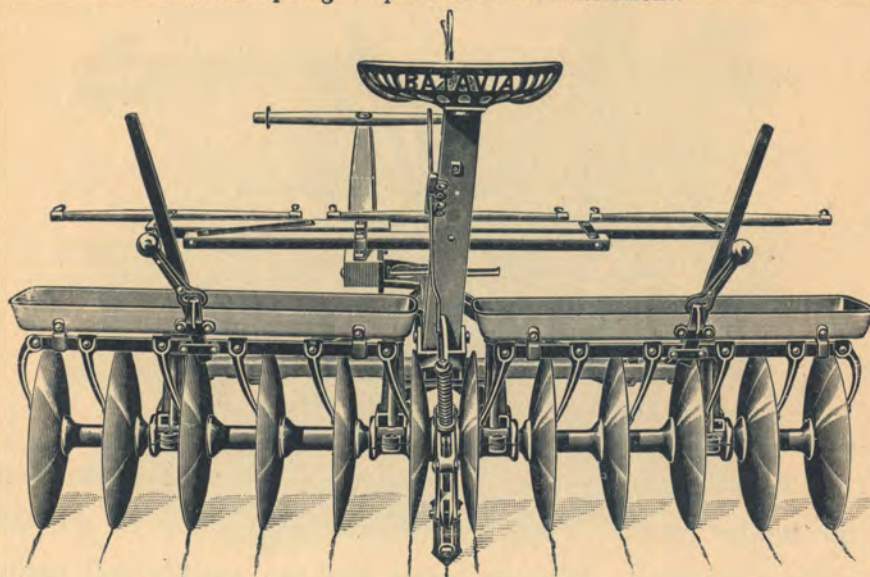
**Flat
Pointed
Teeth**

**Dumps
with
Both
Wheels**

It is simple, durable and easily handled. It has long, flat-pointed teeth that run well under the rake and do not scratch up dirt or trash. It has patent oscillating cleaners. These cleaners, by their own weight, press the hay down as the teeth fill up, packing the hay and keeping it from rolling. Can be held down by the foot so as to make large windrows and also to bunch them. Dumps with both wheels, thus obviating any side draft. The entire rake is very simple in construction, and at the same time is made durable. These are features secured in the construction of all our machines. Any boy or girl who can drive a horse can handle it. The "Globe" is made in 8, 9 and 11-foot lengths. It is also furnished with combination pole and shaft. Rakes made with this combination can be used for either one or two horses, with but slight, quick changes.

The "Continental" Disk Harrow,

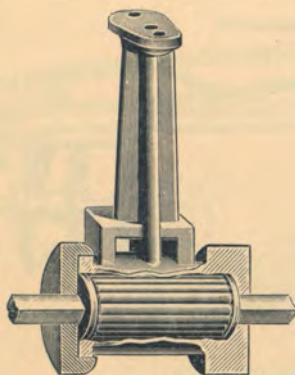
With Spring Trip Center-cut Attachment.



The most desirable of all disk harrows. Strong, simple, durable. One of the best implements on the farm. It has no heavy frame; is all steel and iron except the pole. The disk gangs are free in the center, act independently, and when they come in contact the bumpers work together and there is no friction or pressure on the standards.

Roller Bearing Standards.

Ball bearings are used in harrows to counteract the end pressure, but do *not* decrease the draft. Our patent *bumpers* relieve the end pressure, and our *roller bearings* decrease the draft.



Cut-out Disk.

The "Continental" is built with 16, 18 or 20-inch disks. Furnished with either style of disk.

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Steel
Weight
Boxes



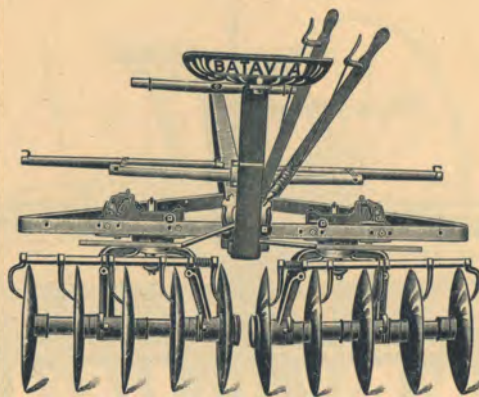
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for the
Orchard,
Vineyard
and
Orange
Grove

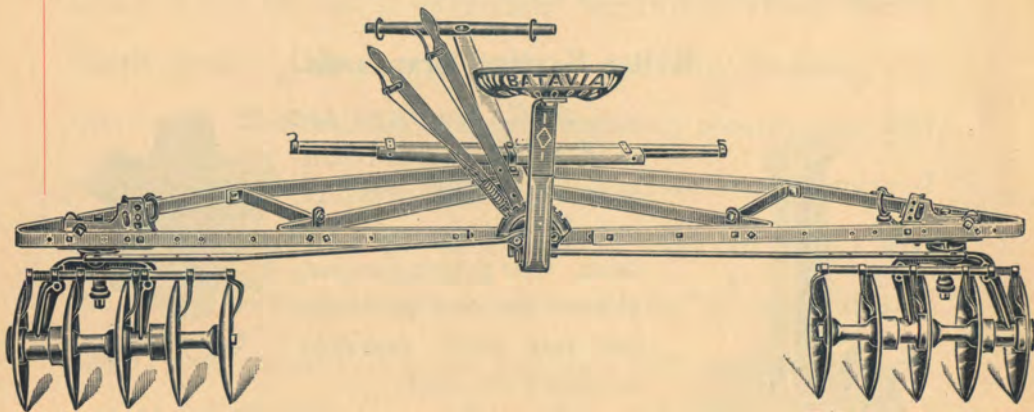


The "Diamond" Reversible and Adjustable Harrow.



It throws the soil *to* or *from* the vines without harming the tender roots. 'Twill lay by your grape roots in the fall without the plow. With its levers you can quickly and easily adjust the disks to cut deep or shallow, or at any angle. For side-hill work it is the best of all harrows on the market.

The "Diamond" is a gem.



Extension frame

FOR USE IN CULTIVATION OF ORCHARDS.

The "Continental" Disk Cultivator.

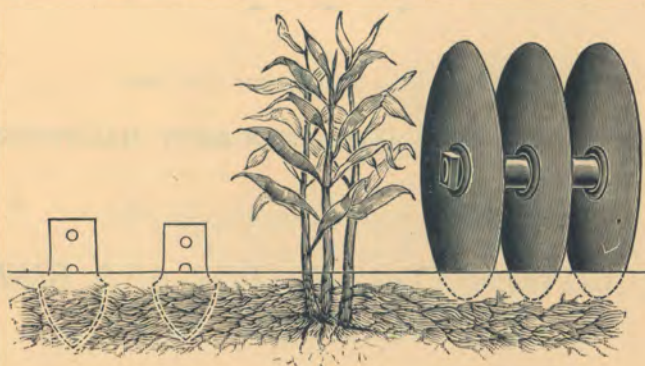
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For Corn and Cotton Culture.

In construction the "Continental" is strong and simple. It is the lightest draft cultivator made. All necessary adjustments are easily and quickly made to meet every condition of the crop in listed or check-rowed corn. It will cut up and cover coarse stalks, etc., on the surface. It will hill the tender plants gently. Spring pressure levelers furnished if desired.

**Adapted
to Every
Condition
of Corn
Crop**



The Old Way.

The New Way.





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Write for Special Circulars of all our

DISK IMPLEMENTS AND SUGAR-BEET MACHINERY,

Also for our Header Catalogue, describing

“THE CONTINENTAL HEADER AND BINDER”

(Sizes 10 and 12 Feet).

BINDER TWINES FOR SALE AT ALL OUR AGENCIES.



