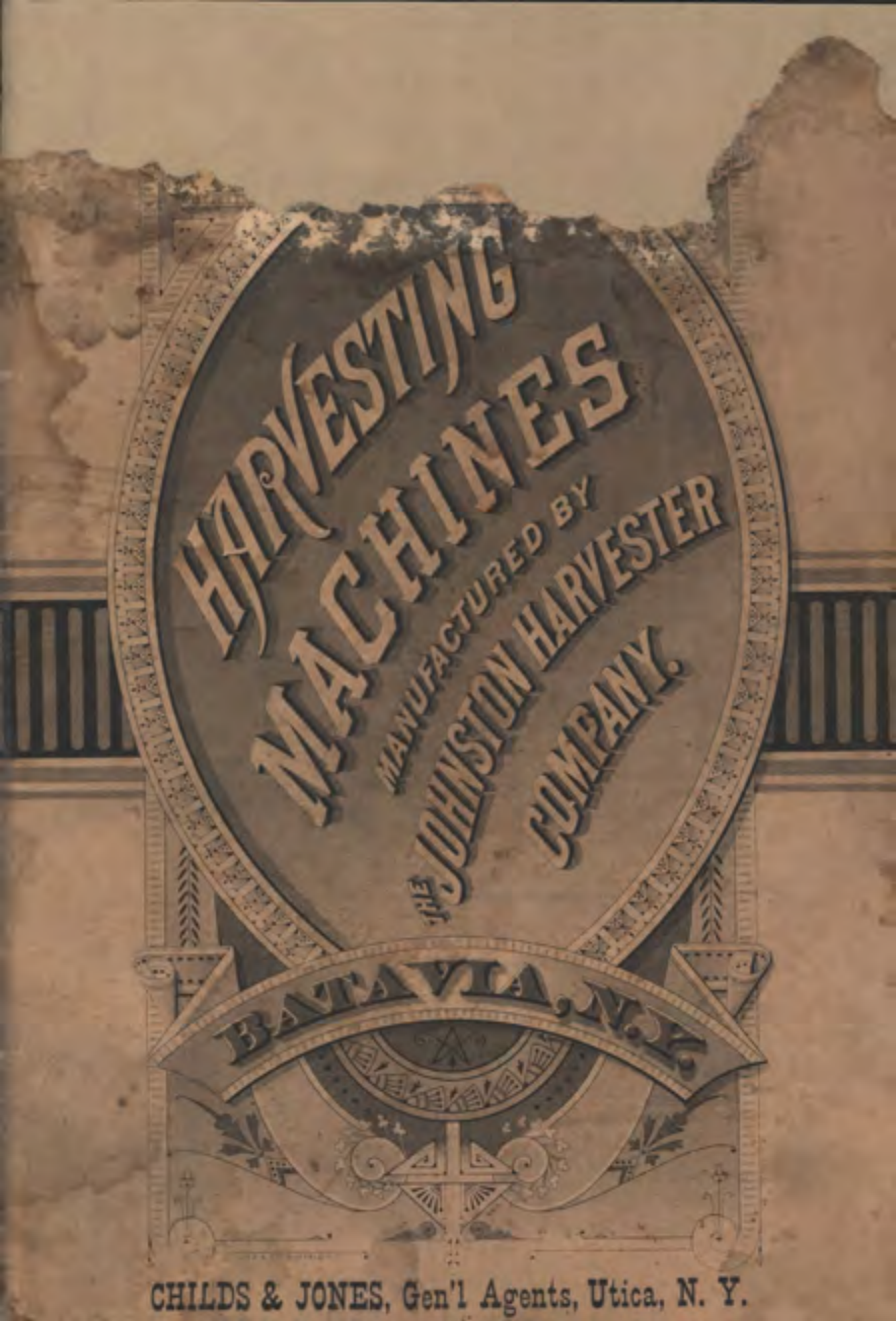
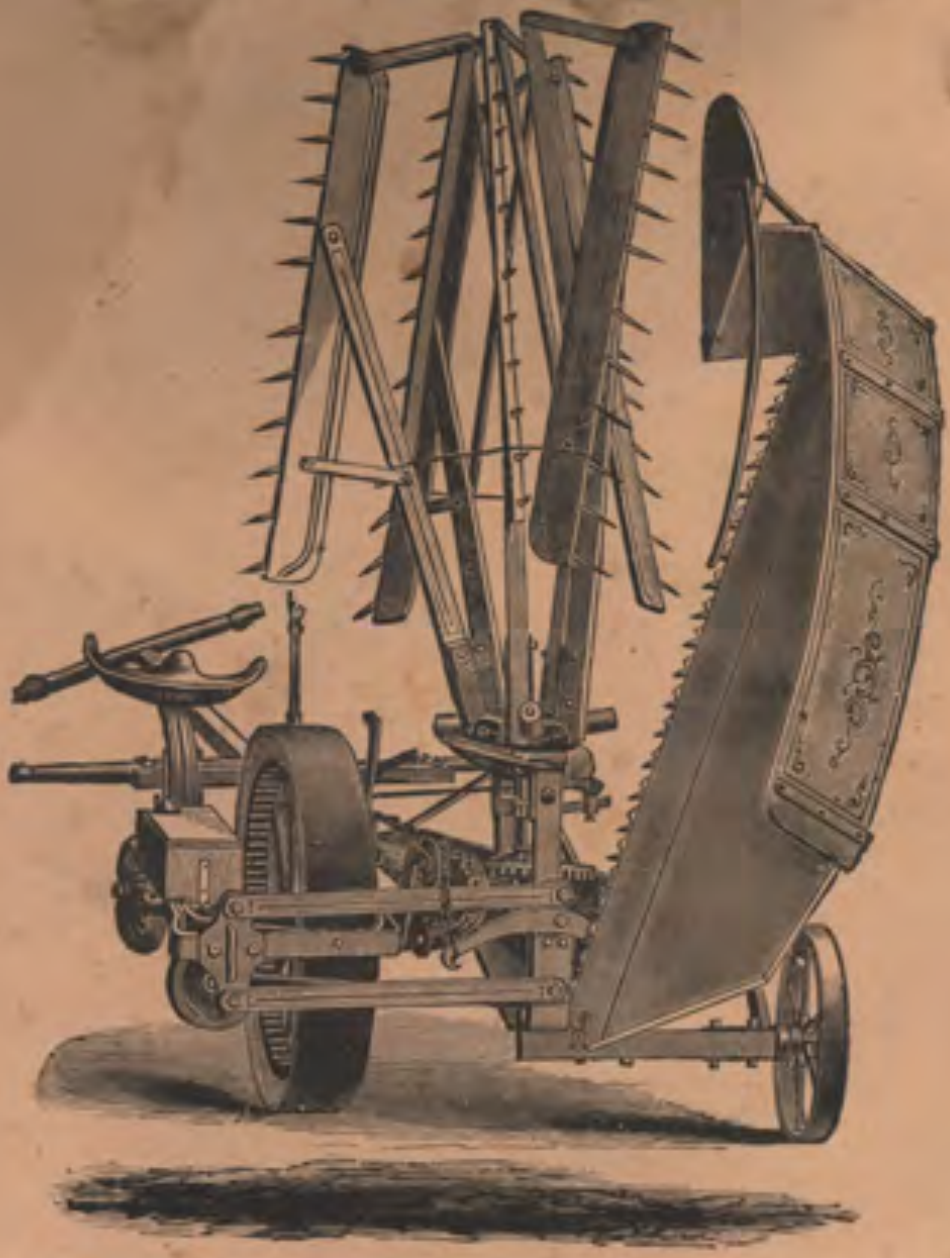


CHILDS & JONES, Gen'l Agents, Utica, N. Y.

W. [illegible]-IRON HARVESTER.



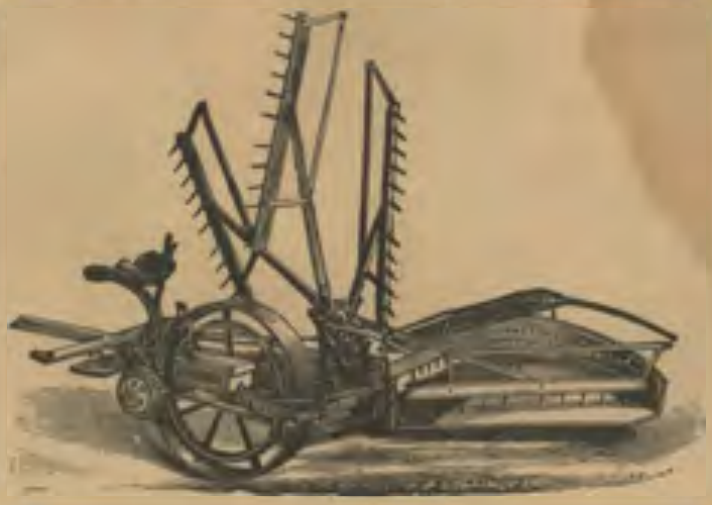
FOLDED FOR TRANSPORTATION.

THE

JOHNSTON HARVESTER COMPANY,

MANUFACTURERS OF

HARVESTING MACHINES.



HOME OFFICE AND MANUFACTORY,

BATAVIA, N. Y., U. S. A.

C. D. DEWEY, *Pres't.* B. E. HUNTLEY, *Vice-Pres't.* F. S. STEBBINS, *Treas.* C. A. SHERWOOD, *Sec'y.*

BRANCH OFFICES AND DEPOTS:

Nos. 1 and 2 CHISWELL STREET, LONDON, ENG.,
BYRON E. HUNTLEY, Manager.

73 WEST WASHINGTON STREET, CHICAGO, ILL.,
AND
86 MONROE STREET, TOLEDO, OHIO,
R. G. McMECHEN, Manager.

1907 MARKET STREET, PHILADELPHIA, PA.,
JOHN R. BLACK, General Agent.

149 and 151 LIBERTY STREET, PITTSBURGH, PA.,
J. C. McCONNELL, General Agent.

OFFICE OF

THE JOHNSTON HARVESTER COMPANY,

BATAVIA, N. Y.

TO OUR FRIENDS AND CUSTOMERS:

We have removed our entire establishment from Brockport to Batavia, N. Y., where we have built new extensive and commodious works, supplied throughout with new machinery of the latest designs, and with all the latest improvements; and, with unequaled facilities for transportation, we are better prepared than ever before to supply the farmers of the world with our superior line of Harvesting Machines. We shall here build all the machines heretofore built by us in Brockport, which have won a world-wide reputation, together with whatever improvements and advantages our long experience and careful investigation may suggest, and invite from all interested parties a candid and impartial examination of them, feeling confident that they will sustain in the field all the claims we make for them in the following pages. They will be supplied to purchasers at as low a rate, and on as favorable terms, as it is possible to produce them, using only the *best material in their construction, and finishing them in a superior manner.*

Soliciting a continuance of the very liberal patronage with which we have been favored in the past, we remain,

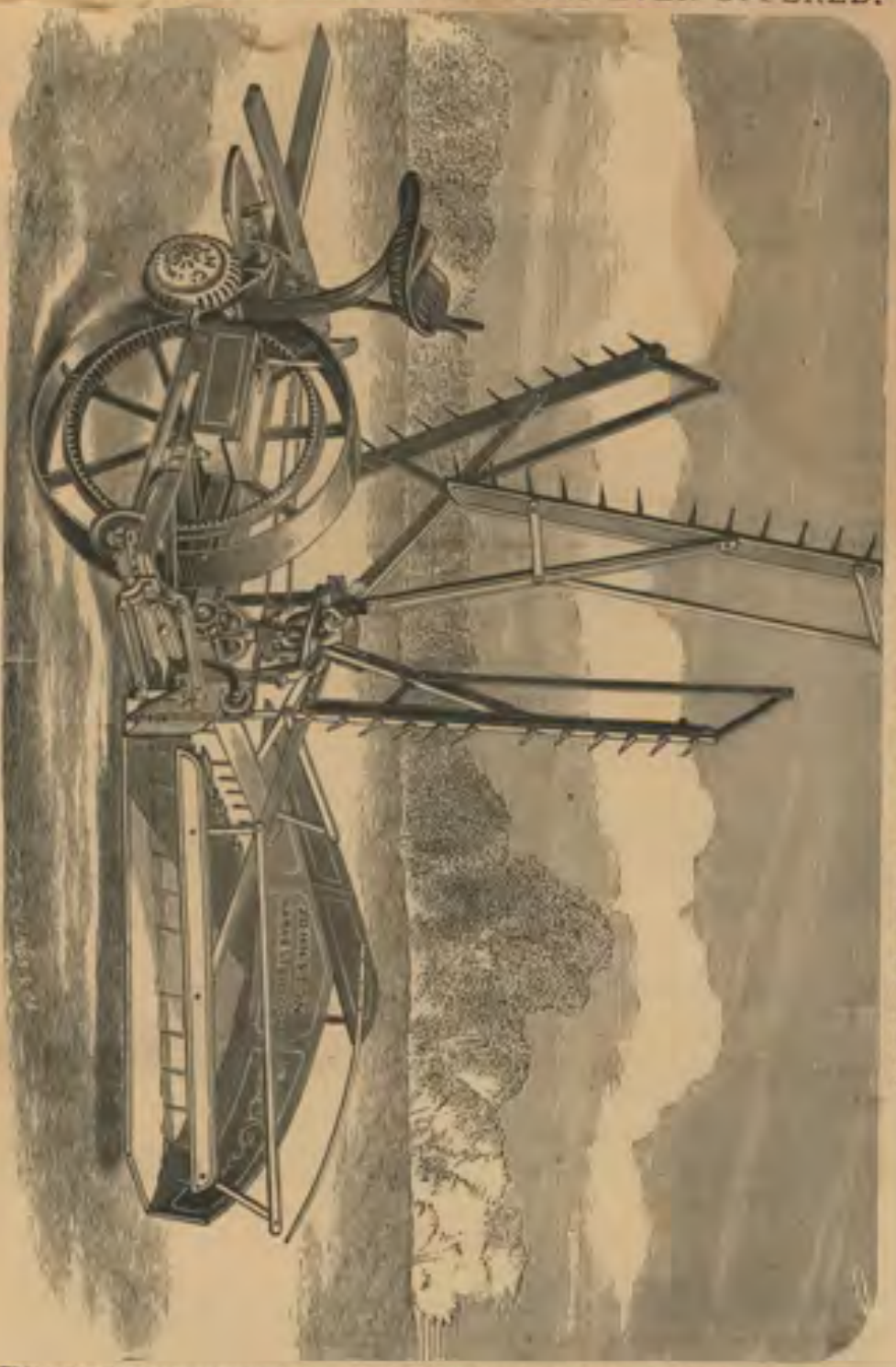
Very respectfully,

THE JOHNSTON HARVESTER CO.

"KING OF REAPERS,"

AWARDED THE HIGHEST PRIZES EVER OFFERED.

THE JOHNSTON HARVESTER CO.'S WROUGHT-IRON HARVESTER.



The World's Prize Reaper—Paris Exposition Field Trials at Mormant.

Thirty-five Reapers competed at the Paris Exhibition trials, and out of them only one was selected for the final dynamometer test, and received the First Prize. This one was the Wrought-Iron Harvester.

WROUGHT-IRON HARVESTER.

By the use of wrought iron, we have succeeded in constructing a harvester which, for lightness, strength, durability, and capacity for perfect work, is unequaled.

The drive-wheel is thirty-six inches in diameter, with a broad tread, sustaining the machine on the softest ground. The carrying-wheel is of large size, making it very light and easy work for the team. It is attached to the platform by a castor arm, which allows the machine to turn readily at the corners.

The Gearing

Is the simplest possible. By reversing the bevel-wheel, the speed of the knife can be increased, thus adapting the machine to cut all kinds and conditions of crops.

The location of the gearing is well up from the ground, easy of access for oiling, and well protected from dirt.

Extension Bars.

By means of parallel extension bars, which have ball joints, thus taking up all wear, the cutting apparatus can be adjusted to any required height.

The Finger-Bar

Is made of cold-rolled angle iron, giving it four times the stiffness of ordinary flat bars, and, at the same time, it is much lighter. It is attached to the wrought-iron drag-bar, which supports the rake standard.

The standard, being located on the drag-bar, high up and well ahead, balances the machine and insures good reeling capacity in all conditions of grain.

Tilting Device.

The tilting device is attached to the front end of the drag-bar, allowing the operator to raise or lower the cut of the knives at will, while moving.

Controllable Rake.

The rake is fully under the control of the driver, and, by the use of the foot, he can regulate the size of the gavels as perfectly as it can be done where the grain is raked off by hand.

The rake can be set to work automatically for every second, third, fourth or fifth rake, and, when set for any rake, can be held over thin spots of grain, or when turning the corner.

The raising lever, tilting lever, rake chain shifting lever, and the lever for throwing the knife out of gear, are all within the reach of the operator, while sitting on the seat.

The Pitman Connections

Are of steel and of the most approved pattern, with ball and socket connections, forked nuts, spring keys, and can be readily secured to compensate for wear, thereby preventing any lost motion. The pitman box has an oil chamber, and is a perfect self-oiler. The standard is adjustable, and can be set to reel long and short grain. By the use of the swathing switch, every rake will sweep the platform. The rakes are driven by a flat, wrought-iron chain (the same as we have used for six years past), which has proved to be very strong and reliable, and not liable to wear. The chain runs over tension rollers, which takes up the slack, making the rakes run very smooth and steady, and will not run ahead, as with the old cable chain manner of driving the rakes.

The Platform can be Elevated,

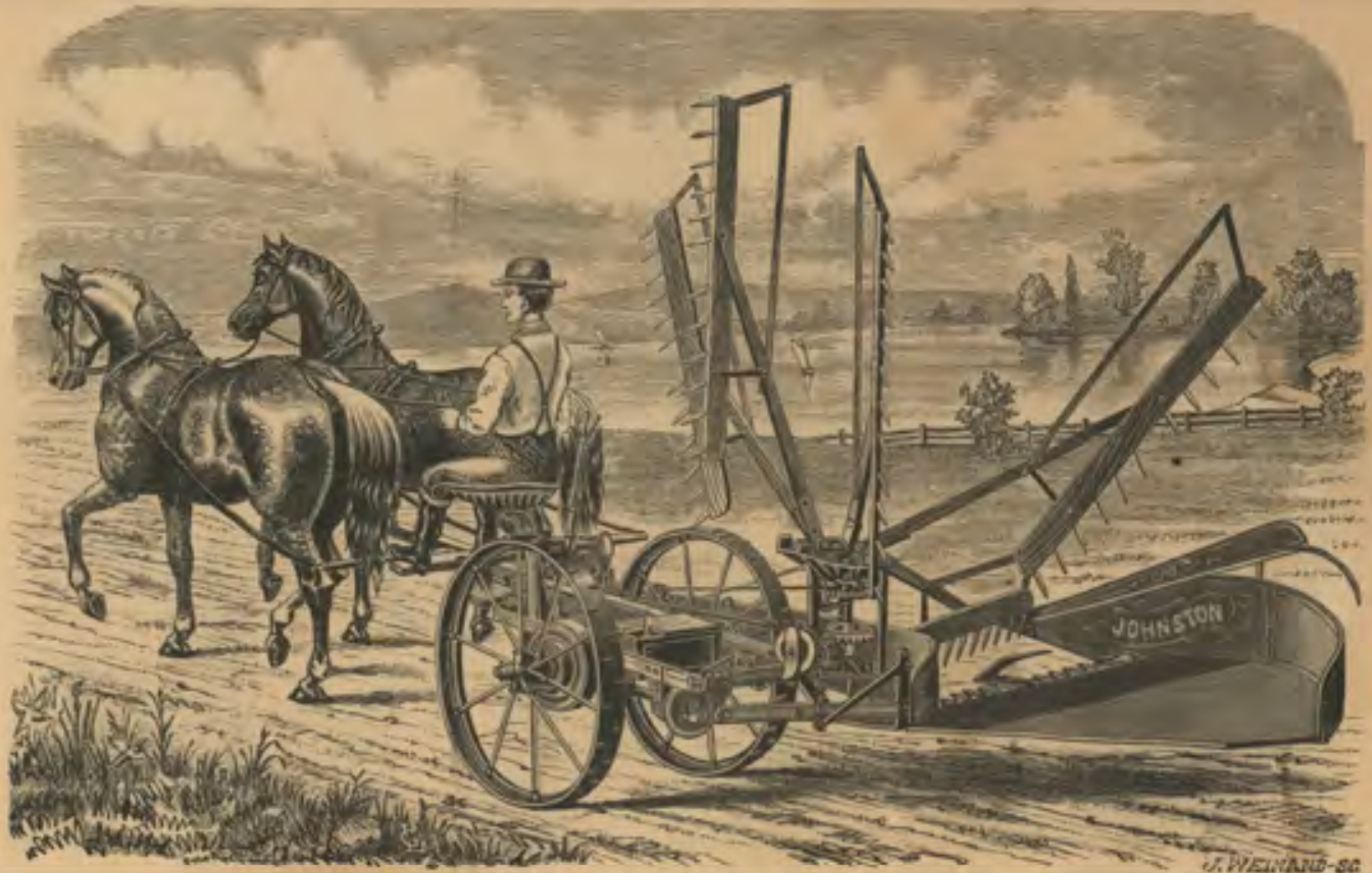
As shown in the cut, for passing through narrow roadways, and for storing the machine when not in use.

The Machine Works almost Noiselessly,

Thus indicating very little friction, and, properly adjusted, will perform the work satisfactorily under all circumstances.

We think no reaper made has been more thoroughly tested, under all circumstances, than the Wrought-Iron Harvester, and it has proved itself equal to any emergency, and gained the highest prize in every contest throughout the grain-growing countries of the world.

The reaping attachment on the Improved Combined Machine is identical with this reaper.



IMPROVED COMBINED No. 1—La Marveilleuse.

THE JOHNSTON HARVESTER COMPANY'S

COMBINED MOWER AND REAPER No. 1.

In this we have a machine combining all the excellencies of the Wrought-Iron Harvester and the Mower, described in another part of this pamphlet. These advantages will be seen in reading the following description:

The Wheels

Are 34 inches high, with a broad tread, and made with wrought-iron spokes. Either wheel drives independent of the other, and both are out of gear in backing. The high wheel is found to be indispensable in parts of the country where the harvest is wet, enabling the machine to run successfully where many low-wheeled machines bury down.

The Main Frame

Is a single bar of wrought iron, with one joint only; solid at the corners; standing edgewise; well and firmly braced; and with the pole bolted along the side next the inner wheel, giving the frame great stiffness, and yet avoiding all surplus weight.

The Gearing

Of this machine has no superior for strength and simplicity. It is well up from the ground, runs almost noiselessly, and, by a simple operation, the speed can be changed without difficulty, and without adding to the weight of the machine, giving slow speed for reaping and ordinary mowing, and fast for mowing in difficult places.

The Bearings

Are long, solid boxes, bored out and keyed into brackets with wedge bolts, and always adjust themselves to the shaft without cramping or binding. The great advantage of these bearings over babbitted boxes,

is felt by every farmer who has occasion to have his boxes re-babbitted by inexperienced workmen. It is impossible to re-babbitt a box so as to make the bearing true, except by the greatest care, and by tools seldom at hand or within reach of the farmer, while the boxes of these machines are replaced with no difficulty whatever, and at less expense than the bearings can be re-babbitted.

Extension and Drag Bars.

The extension bar has ball joints to take up all wear, making much less vibration than ordinary straight joints, and adding much to the durability of the whole machine.

Our drag-bar is of the most approved pattern, with a bridge brace over the top to strengthen it.

The Finger-Bar

Is attached to a tilting drag-bar by a very simple and strong device, which enables the driver to regulate the height of cut perfectly, both in reaping and mowing, while the machine is in motion.

The Pitman Connections

Are of the most reliable, durable character, perfectly adjusted to compensate for all wear, and also to prevent any binding in the connections. The lower end of the pitman is attached to the knife by a ball and socket joint, held in place by a forked nut and bolt, to take up the wear, thus avoiding all lost motion; the upper end is pivoted to the pitman box in such a manner, as to allow the box to work without binding on the crank-pin, in any position of the cutting apparatus.

Reaping Attachments.

For reaping, the No. 1 Combined has a separate drag-bar attached to a very substantial platform, five and a quarter feet wide, with an angle iron finger-bar, so formed as to absolutely prevent sagging.

The guards are steel-plated, same as used for mowing, and so formed as to leave an open space back of the knife, which is very essential to prevent clogging and lessen friction. The inner divider is of sufficient height to shield the raking apparatus from tall or leaning grain, and the outer divider high enough to divide and handle any grain without scattering.

This reaping attachment, with the extra drag-bar, is complete in itself, and is attached to, or detached from, the truck by removing two bolts and one key.

The Raking Apparatus

Consists of five arms and blades, with extension slats, having a capacity for reeling the tallest grain without scattering. The rake stand is located at a sufficient height from the cut of the knife, and set far enough ahead to enable the rake to reel the grain at the inner end of the cutting apparatus, delivering it straight on the platform, and putting it off in straight, compact gavels.

The rakes are driven by a flat belt chain, and run very steady.

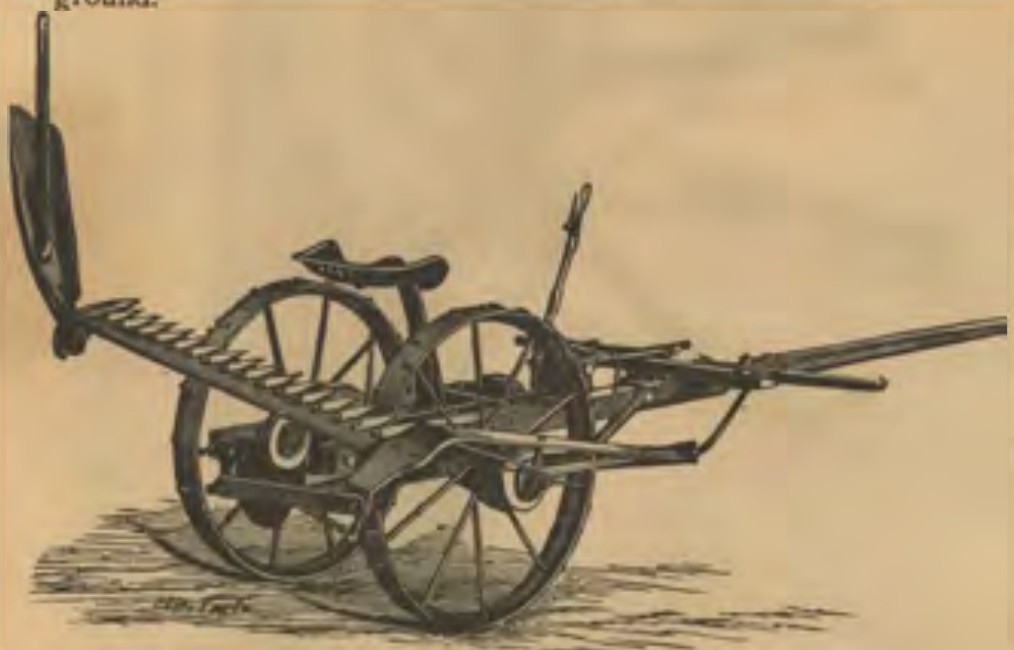
Controllability of Rakes.

The rakes are under full control of the driver to deliver the gavel at any time. By means of our new gear trip, the rakes can be set to deliver gavels automatically, at the distance of 8, 12, 16 or 20 feet. When set in this manner, the driver can still carry the sheaf at will over thin places and away from the corners, or he can use the foot trip and throw off the gavels at will.

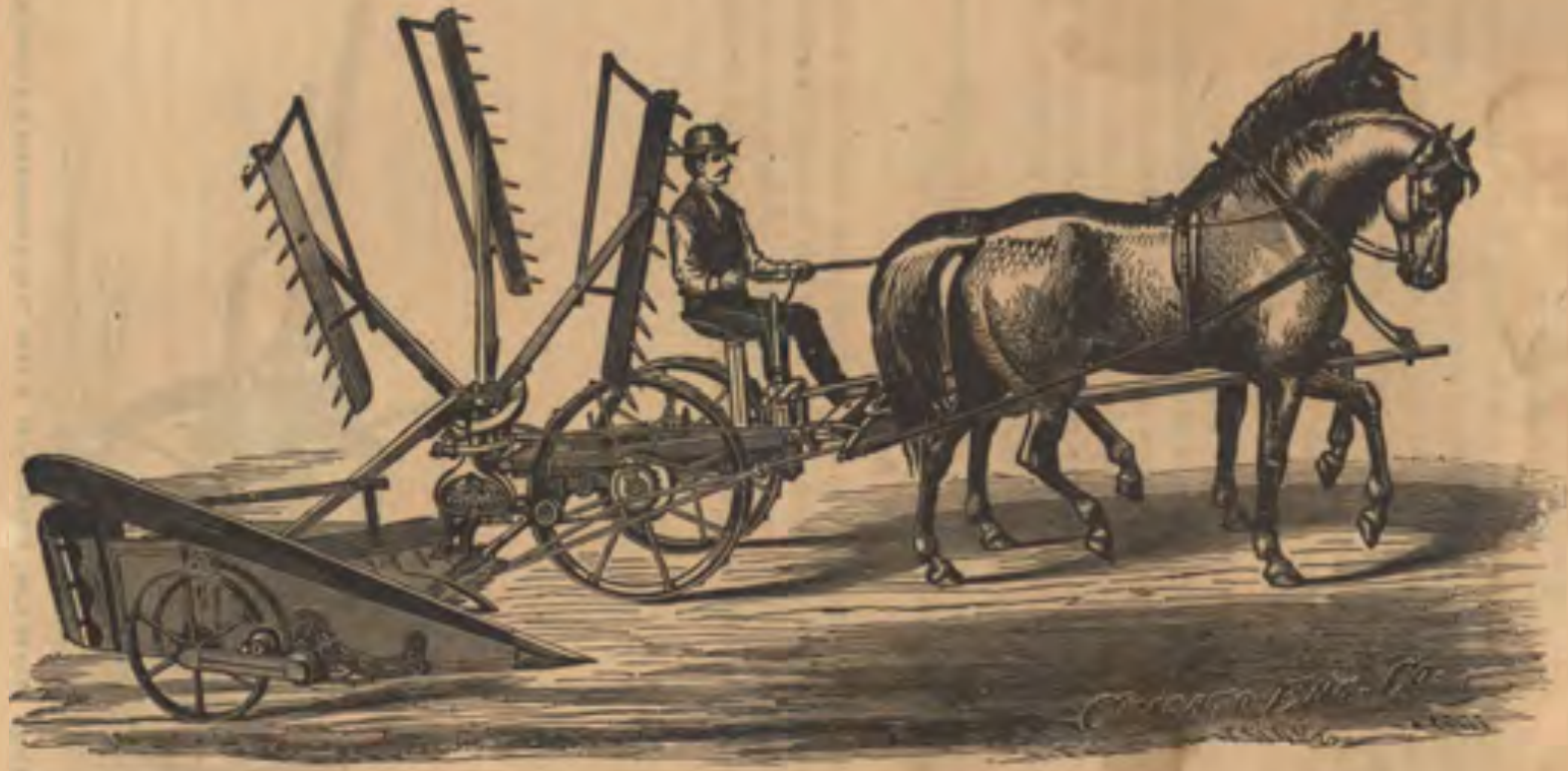
The shifter lever, for throwing the rakes out of gear, is within easy reach of the driver's seat.

Other Advantages

Will be found on an examination and trial, all being combined to form the best mower and reaper made. The finger-bar is easily raised and lowered; the same tilting lever lowers the points of the guards to cut tangled clover, or raises them for better protection on rough or stony ground.



COMBINED MOWER, FOLDED FOR TRANSPORTATION.



COMBINED No. 2—La Marveilleuse.

Wrought-Iron Frame, Adjustable Connections, Malleable Rake Standard, Changeable Speed,
Light, Simple, Strong and Durable.

No. 2 COMBINED REAPER AND MOWER.

Since the introduction of this machine, it has steadily increased in favor with the public, and the sale has reached a number far beyond our expectations. It embraces all the principal and valuable features of our other machines; it is made very light, yet of sufficient strength to do the heaviest work, and we boldly assert that it is the lightest draught combined machine in the market.

This machine is particularly valuable for work in hilly and difficult places, and on rough, uneven ground, and will prove satisfactory where other combined machines have been found too heavy and unwieldy.

The Rake Standard

Is made of malleable iron, which makes it light and strong, and is located at a sufficient height from the cut of the knife, and set far enough ahead, to enable the rakes to reel the grain at the inner end of the cutting apparatus, and avoid the difficulty of tall grain winding into the standard.

The Platform

Can be folded for transportation, for passing through narrow roadways, or for storing away during the Winter, taking up but little space for storage.

It has changeable speed—fast speed for mowing, and slow speed for reaping.

The Rakes

Are driven by a flat wrought-iron chain, which has proved to be very strong and durable and not liable to wear.

The Chain

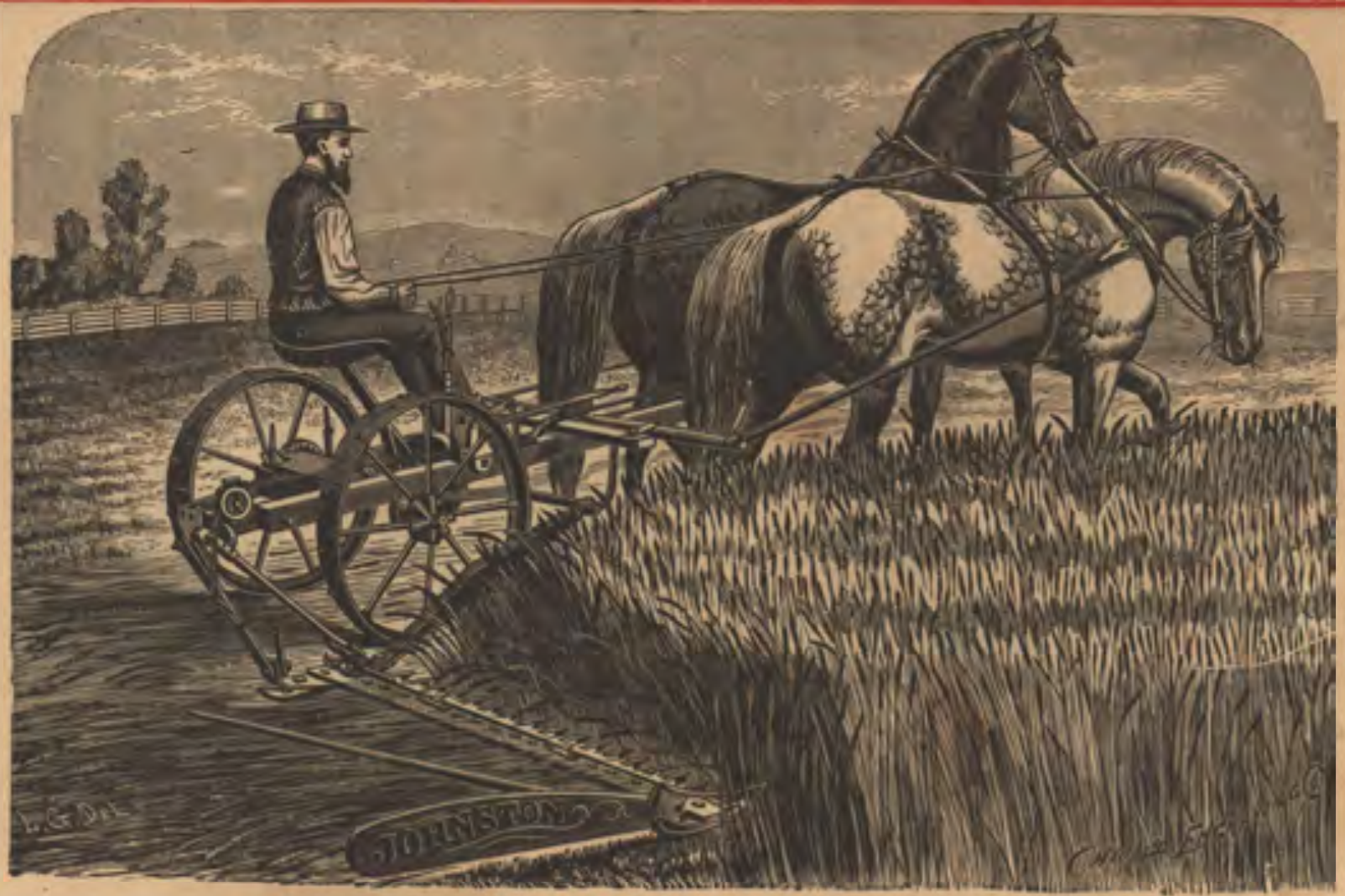
Runs over double tension rollers, which takes up the slack, making the rakes run smooth and steady, no matter what the position of platform. This overcomes the difficulty of the rakes running ahead, as with the old style of cable chain manner of driving the rakes. It can be changed from a mower to a reaper very quickly; cuts a 4 feet 9 inch swath in reaping, and leaves the gavel in a very compact form for binding.

The Arrangement

Of the tilting and raising levers, pitman connections, and extension bars, are identical with those used on the No. 1 Combined, description of which may be seen on pages 7, 8 and 9.

As a mower, it is unequaled, embracing many valuable features. Cut of this machine, as a mower, may be seen on page 12.

We cannot speak in too high praise of this machine, and the record it has made since it has been introduced.



No. 2 COMBINED MOWER.

No 5 CHANGEABLE SPEED MOWER.

THE LIGHTEST DRAUGHT MOWER IN USE

This new mower has been thoroughly tested and has given

Universal Satisfaction wherever Used,

And we offer it to the farming community with confidence that it will please them. It has several new features, and many points of excellence, which can be seen upon examination. The

Speed of the Knife

Can be increased or decreased at the will of the driver. By using the slow speed in cutting light grass and clover when a high motion is not required, you reduce the friction and, consequently, the draught of the machine, and thereby add greatly to its wearing qualities.

Pitman Connections.

The pitman is attached to the knife by a ball and socket, and the wear is taken up by a bolt and forked nut and key, thereby making the most perfect connection in use.

Tilting.

The points of the guards are raised and lowered, at the will of the driver, by the tilting lever attached to the front end of the drag-bar.

Cutting Apparatus.

The finger-bar is of cold-rolled iron, and is strong enough to bear the heaviest strain. The guards are malleable iron, with steel plates. The sections, three inches wide, are made of the best English steel.

The guards are fastened to the finger-bar with bolts instead of rivets, making it easy to replace them when necessary.

The Extension Bar

Is connected to the main frame and finger-bar by adjustable ball and socket joints. This construction enables the operator to keep this part of the machine in as perfect order, after years of use, as when new, and greatly adds to the durability of the machine.

See cut on page 14.

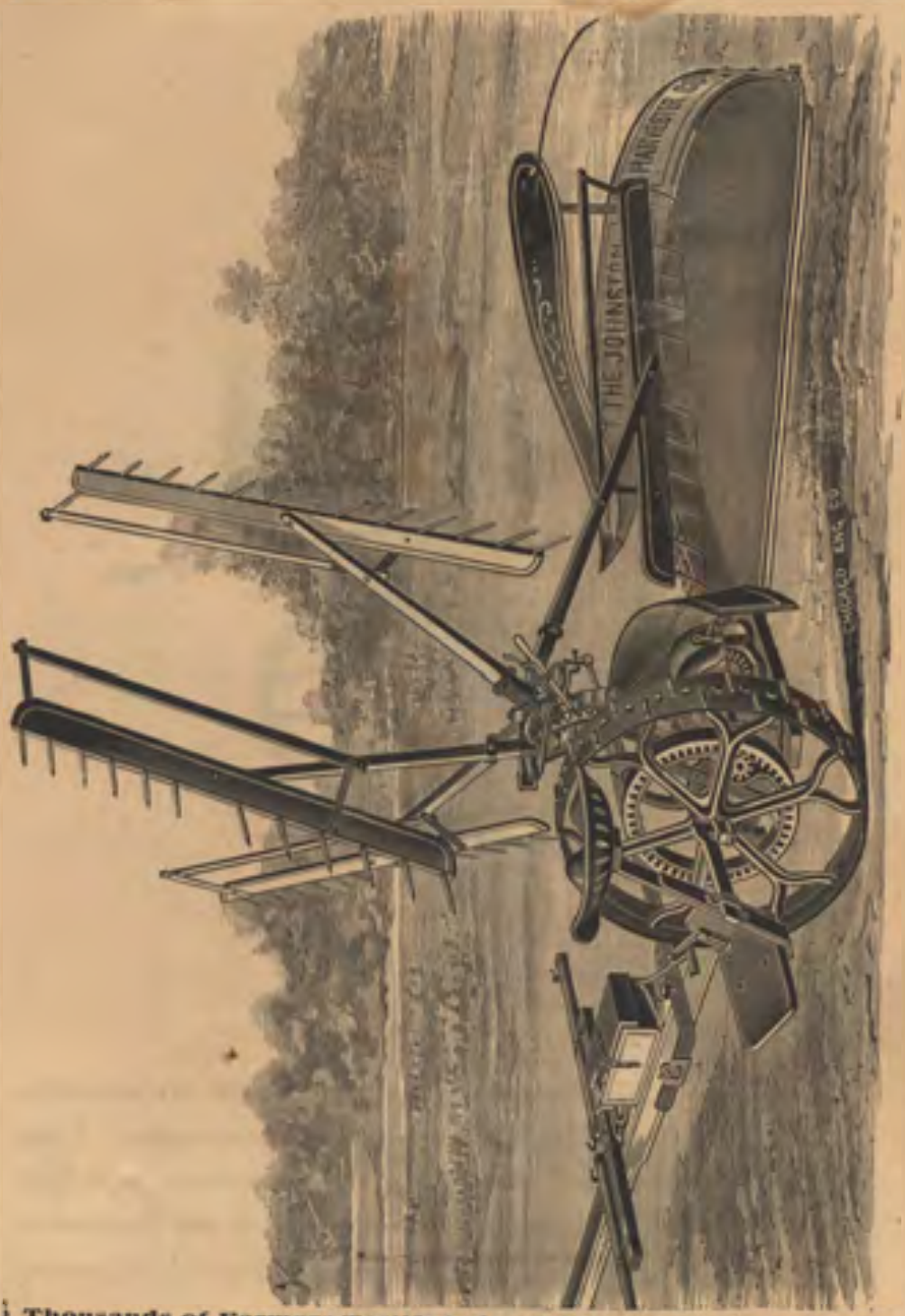
No. 5 CHANGEABLE SPEED MOWER.

NEW CONTINENTAL MOWER No. 6.

As will be seen from the cut, this machine is similar in construction to the No. 5 Mower, except that it has a *forward cutting-bar*. It has the *changeable speed* and *adjustable pitman connections*, is of *light draught*, and is capable of doing *first-class work* in any condition of ground or crop. It has been *thoroughly tested*, and we can recommend it with confidence that it will *please all who use it*.

CONTINENTAL REAPER No. 1.

For lightness of Draft and Durability, it has no equal. Cuts a swath five feet wide, and will pass through a nine-feet gateway.



Thousands of Farmers Testify to its Efficiency on Steep Side Hills and on Rough and Uneven Land.

DESCRIPTION OF THE CONTINENTAL REAPER.

The Bearings

Are long, solid boxes, bored out, and always adjust themselves to the shaft without cramping or binding. They are attached to the machine in the most simple manner, and made of the most durable metal. The great advantage of these bearings over babbitted boxes, is felt by every farmer who has occasion to have his boxes re-babbited by inexperienced workmen. It is impossible to re-babbitt a box so as to make the bearings true, except by the greatest care, and by the tools seldom at hand or within reach of the farmer, while the boxes of this machine are replaced with no difficulty whatever, and at less expense than the bearings can be re-babbitted.

The Finger-Bar

Is made of cold-rolled angle iron, so formed as to absolutely prevent sagging. The guards are of malleable iron with steel plates, the same as used for mowing, and so formed as to leave an open space back of the knife, which is very essential to prevent clogging and lessen friction.

The Raking Apparatus

Consists of four arms and blades, with extension slats, having a capacity for reeling the tallest grain without scattering. The rake stand is located at a sufficient height from the cut of the knife, and set far enough ahead to enable the rake to reel the grain at the inner end of the cutting apparatus, delivering it straight on the platform, and putting it off in straight, compact gavels. The rakes are driven by a gear, and run very steady.

Controllability of Rakes.

The only automatic rake trip under full control of the driver at all times.

The rakes are under full control of the driver, to deliver the gavel at any time. By means of our new gear trip, the rakes can be set to deliver gavels automatically, at a distance of 8, 12, 16 20 or 24 feet. When set in this manner, the driver can still carry the sheaf at will over thin places, and away from the corners, or he can use the foot trip and throw of the gavels at will.

The shifter lever, for throwing the rakes and machines out of gear, is within easy reach of the driver's seat.

The Pitman Connections

Are of the most reliable and durable character, perfectly adjusted to compensate for all wear, and also to prevent any binding in the connections. The lower end of the pitman is attached to the knife by a ball and socket joint, held in place by a forked nut and bolt, to take up the wear, thus avoiding all lost motion.

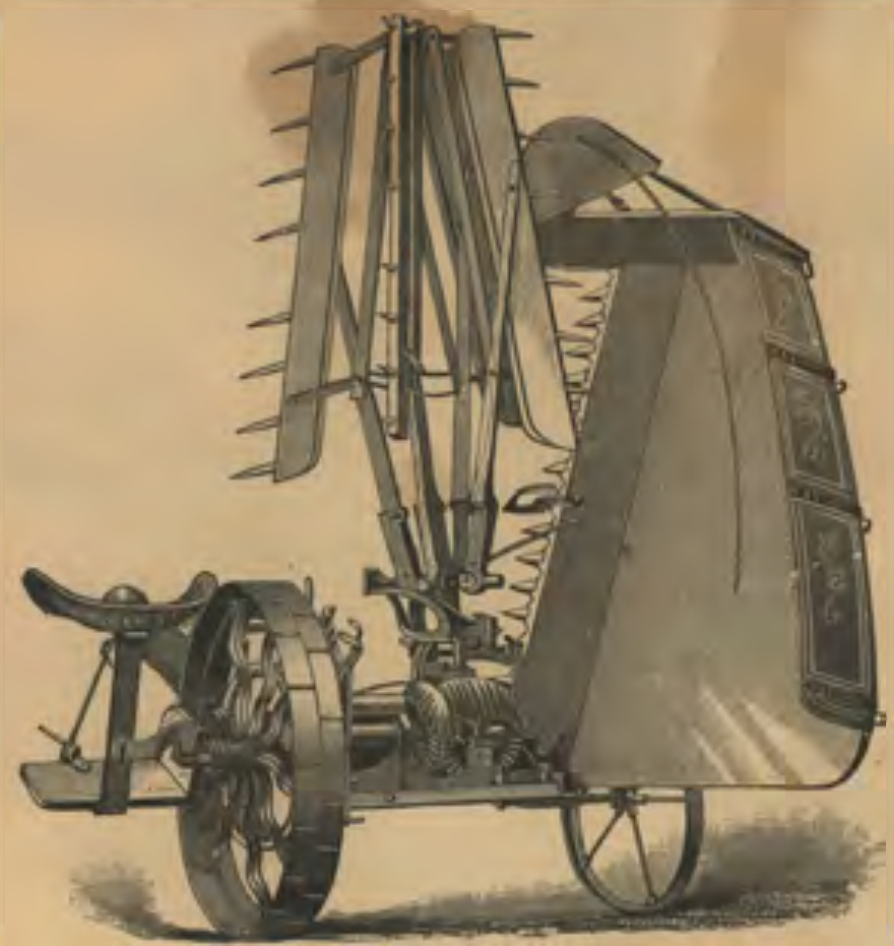
The width of knife-head, and superior manner of coupling the pitman to it, avoids all tendency to twist the knife in the guard slots.

The Tilting Arrangement

Is attached to the pole and platform by a very simple and strong device. The lever being within easy reach of the driver's seat, enables him to regulate the height of cut perfectly while the machine is in motion.

Many other Advantages

Will be found on an examination and trial of this machine, all being combined to form the *Best Light Reaper in use.*

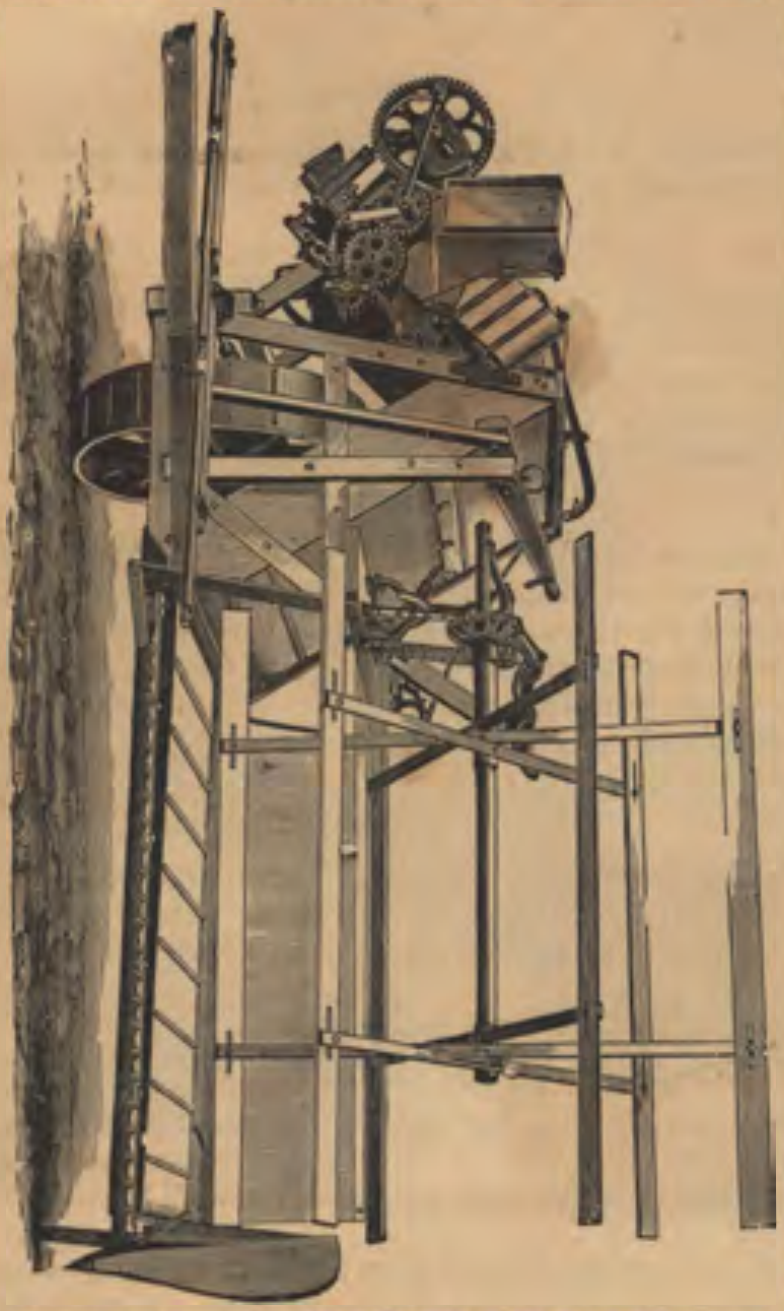


CONTINENTAL REAPER,

Folded for Transportation, for Passing through Narrow Roadways, or for Storing during the Winter.

THE LIGHTEST DRAFT,

MOST SIMPLE AND DURABLE HARVESTER AND BINDER



EVER PUT UPON THE MARKET.

IT HAS WON GOLDEN OPINIONS WHEREVER USED.

A FEW OF THE GOOD FEATURES OF OUR HARVESTER AND TWINE BINDER.

Self-Sizing.

This binder is in all respects self-operating, sizing its own bundle and making a perfect separation, whatever the condition of the grain.

Uniformity.

Every bundle is of uniform size, being thoroughly compressed by compressor arms, admitting a certain quantity of grain; this is a *great saving in twine*, and aids very materially in stacking. The packer arms are longer than on other similar binders, giving the machine much greater capacity.

Stationary.

The binder is not shifted forward and backward for different lengths of straw, as is done on other machines, thus throwing extra weight on the necks of the horses, or tilting the tongue far upward. The grain is guided to its proper place by a small apron near the front of binder deck, in plain sight of the driver and wholly under his control. By one movement of a *very light lever*, he can shift the butts to any desired position.

Raising and Lowering.

The device for raising and lowering the machine is convenient and practicable. Without leaving his seat, he can, with a lever, raise and lower *both ends* of the harvester *at one time*, anywhere within a range of 22 inches.

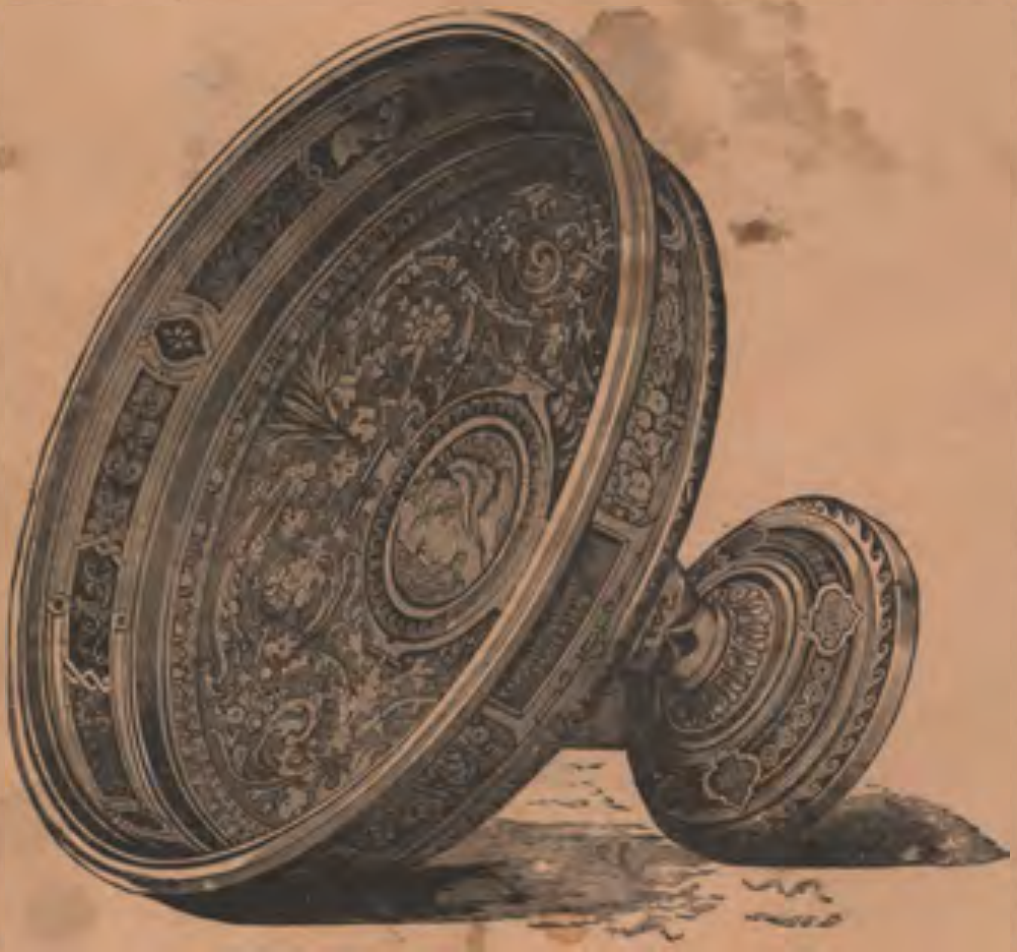
No Sway Bar.

The sickle is driven from the end instead of the center, dispensing with the many objections to the sway bar movement. There is no resistance to the grain while being conveyed to the elevator, and no openings through which grass and weeds can work between the canvases.

The reel is operated with one lever, and can be adjusted to any desired position, forward or backward, up or down. It can be brought directly over and close to the sickle, enabling the machine to elevate short grain in good condition.

GRAND PRIZE

FOR BEST REAPER



AT THE

PARIS EXPOSITION FIELD TRIALS.