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35TH ANNUAL CATALOGUE

AUBURN, N.Y.
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THIRTY FIFTH ANNUAL
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1891



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HARVESTING MACHINERY

D. M. OSBORNE & CO.

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The Osborne "Junior" Harvester and Binder.

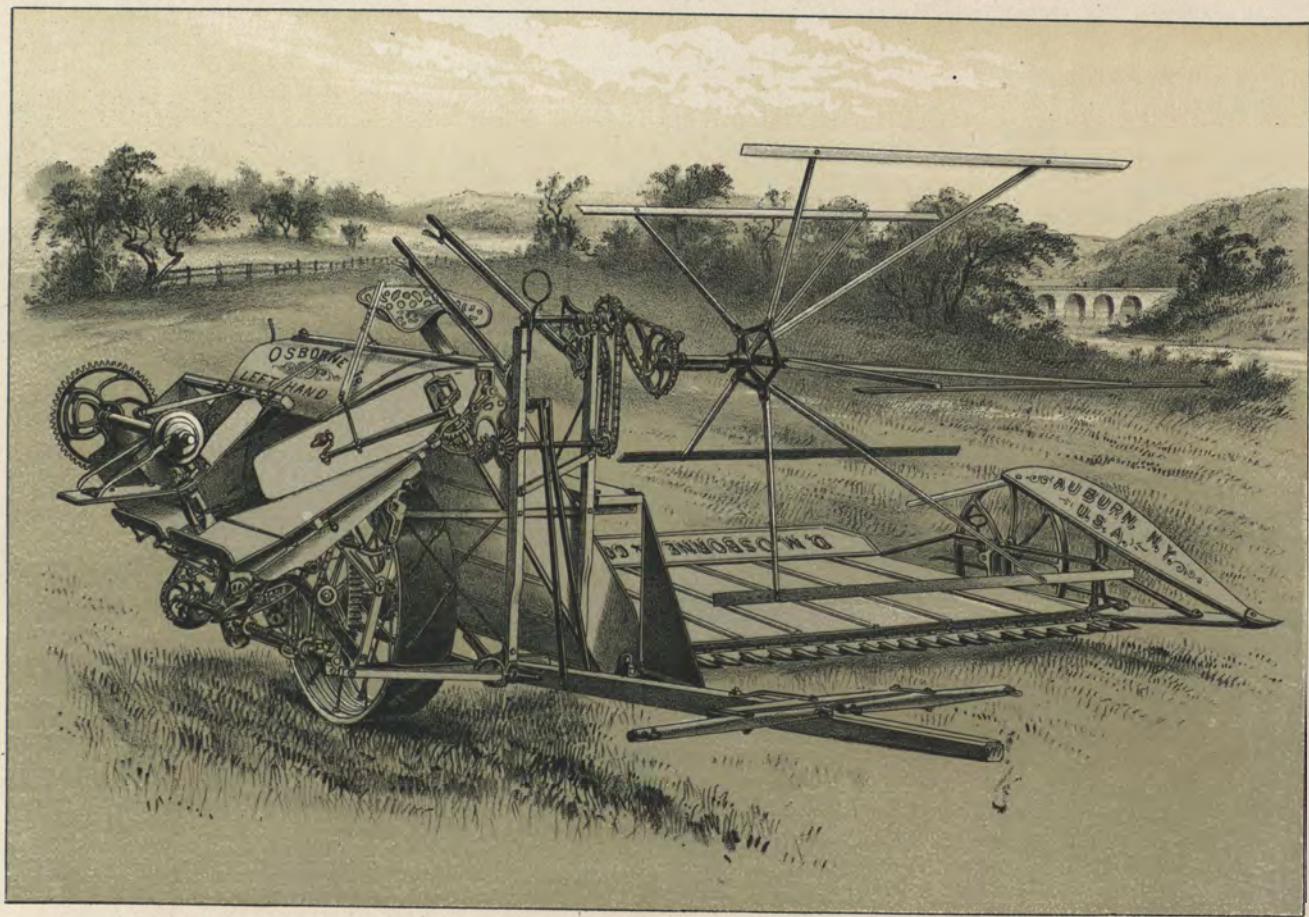
THE secret of success is the doing of one's best every day. The perfection attained by the OSBORNE Harvesting Machinery is due to the observance of this truth. Efficiency in all the details of the Machines built by D. M. OSBORNE & Co. is secured by constant, unceasing thought and tireless effort. The farmer, by the use of Farm Machinery, has become the severest critic of the implements of his calling. To meet his requirements is the problem to be solved. The perfect Harvester and Binder is the machine that will sell, and it is by a full compliance with these demands that we are enabled to place on the market, and sell, the enormous number of Machines made by us every season. We cannot be content with making simply a *good* Machine; it is our constant study to make an absolutely perfect Machine. Our Harvester and Binder, **The Osborne "Junior,"** is justly considered the model of a perfect Machine. In all seasons it has given our customers satisfaction, and we do not hesitate to refer to those who have used an OSBORNE Harvester and Binder for a complete justification of our claims to superior merit. By a look at the handsome illustrations of our shops in the catalogue, it will be seen that we make our own malleables, our own steel, our wrought iron. We make the sections, guards and bolts under the immediate supervision of our trained experts, and **The Osborne "Junior" All-Steel Frame Harvester and Binder** is the result of thirty-five years' experience in the business. Every Binder is run at full speed in our factory, under a strain one-third greater than required in the grain field. If it falters in its trial, it is rejected. We call attention to the following advantages:

Simplicity.—Not an unnecessary part is added, and it can be set up and worked readily, independent of an expert.

Reliability.—The "JUNIOR" never refuses to work and it never skips a bundle

Efficiency.—It cuts grain of every conceivable kind—short, high, tangled or down, heavy or light—and on all kinds of ground.

Economy.—Being strongly made, it requires less repairs than any other machine in the market.



Durability.—It will endure the severest usage and will stand any amount of abuse, neglect or reckless treatment.

Power.—Having direct drive of Pitman, the knives are driven with a power sufficient to easily cut any grain that grows.

Construction.—The workmanship and finish, the general design and the material are all of the highest quality.

The elevators of our "JUNIOR" are fifty-five inches in width, while most Harvesters only use forty-eight inches; we are prepared for grain of any length and can handle the stoutest and the longest without choking or inconvenience. At the end of each roller in the elevator is a malleable washer to prevent the wear of the roller and straws from winding around the gudgeon.

There is no side draft to the OSBORNE "JUNIOR;" the draft is light, and the machine is readily handled by two horses; no weight on the horse's neck. It reaps, with equal facility, clover and flax, oats and barley, wheat and rye, and will as readily and surely bind any grain.

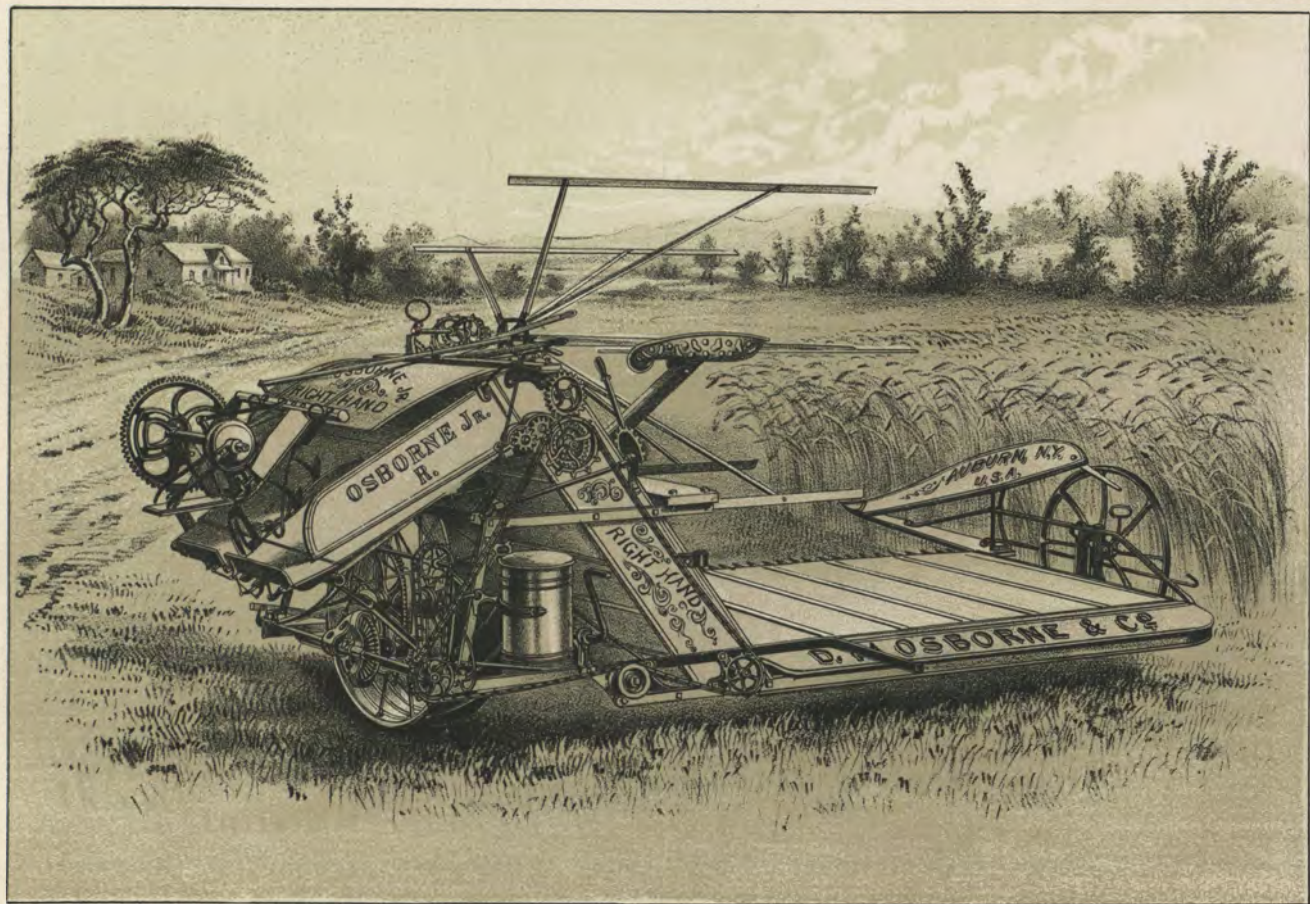
We call attention to the convenience in handling the "JUNIOR;" our lever handles are within reach of the driver and are operated with ease. The Binder Lever enables him to move the Binder backward or forward, that he may place the twine around the bundle where he wants it; by the Butter Lever he moves the butter as the condition of the grain may demand; with a single lever he controls the reel, and by the Tilting Lever he raises or lowers the machine to pass over obstructions or pick up lodged grain. So finely balanced is the "JUNIOR" that the driver's seat has to be moved forward or backward according to the weight of the driver; with the tap of his foot he trips his Bundle Carrier, and in harvesting flax, or clover for seed, he dumps the Flax or Clover Attachment by the same means.

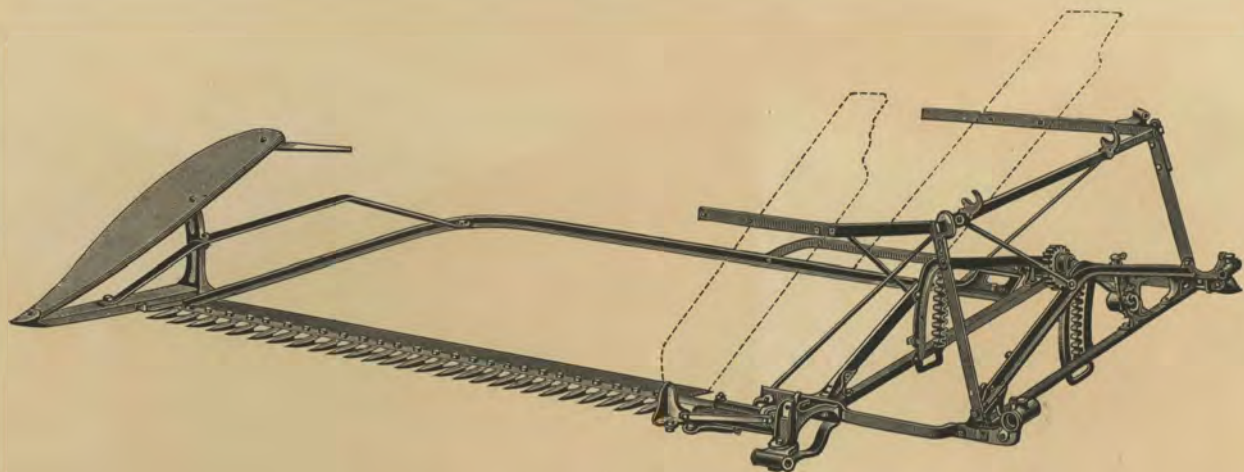
All these lever changes are quickly made, while the machine is in motion, by the driver, and with one hand, leaving the other hand free to hold the reins.

For transportation on the road, or from field to field, through gates and over narrow bridges, we make a Truck upon which the Harvester can be mounted without unhitching the team, or taking off the pole, and by one man in less than five minutes. The Bundle Carrier can be attached and detached in less than five seconds.

We maintain a perfect system of duplication, keeping constantly on hand at our branch offices, and with our agents all over the country, a large stock of duplicate parts, for all the machines ever made by us. Each part is plainly marked with letter or number, making it an easy matter for the farmers to get repairs.

To meet the demands of the farmer, we make a Right-Hand and a Left-Hand Harvester, with Front Gear or Rear Gear, as purchaser may prefer. The cut of the "JUNIOR" is five feet and six feet.





THE PLATFORM FRAME is fastened to the Main Frame, or Drive Wheel, with a malleable connection arched down six inches below the Main Frame, so that the cutting apparatus can be brought close to the ground without bringing the gearing near the dirt. The Platform Frame is made of angle-steel, without joint, and is connected to a double steel Z-shaped Cutter Bar; this bar possesses great strength, and the platform is further strengthened by a four-inch protection plate firmly riveted to the Cutter Bar and constructed for receiving the concussions incident to running the machine; the plate enables us to get close to the ground to pick up lodged or tangled grain. There is no other Harvester made that can cut as close to the ground as the **OSBORNE "JUNIOR."**

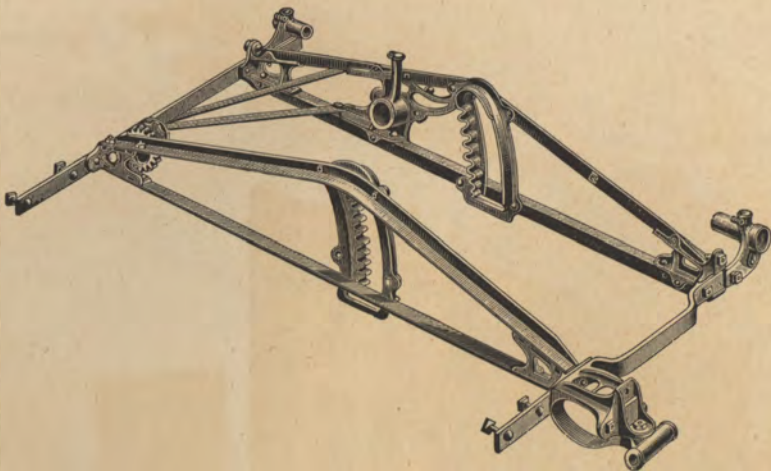
We call special attention to this unique and unrivaled feature, **The Osborne All-Steel Frame.**

D. M. OSBORNE & Co.
BRANCH HOUSE,
COR. 22^d & GRATIOT STS.
ST. LOUIS, MO.



The Osborne Truss Frame.

The Frame around the Main Wheel of the OSBORNE "JUNIOR" is built entirely of steel, firmly supported in the centre and at the corners in the strongest form known to science, being that of a truss-shape, as used for bridges and wherever immense strength is requisite. The steel bars are in the form of angles, held together by steel bolts and nuts. The weight of the machine is held in the apex of the frame, and any sagging or springing of the frame is impossible. We have had occasion before to call attention to the difference between our magnificent Steel Frame and those in use on many Harvesters that go by the name of "Steel Frame." These are quite numerous and are really combinations of round gas pipe and clamps, the strength of the corners depending entirely upon two bolts passing through the thin pipe shell. This and kindred forms are quite common and should be avoided by the farmer. We have always taken great pride in the frame made by us and we consider it the strongest and the most desirable frame ever made for a Harvester. A glance at the illustration on this page will confirm our statement. Using engineers' tables as a basis, a single OSBORNE TRUSS, constructed on the principle shown in this cut, will sustain eighteen thousand pounds. *More than Eighty Thousand OSBORNE "JUNIORS" were in the hands of the farmer in the harvest of last year and not a steel frame failed or weakened. It is perfect.*

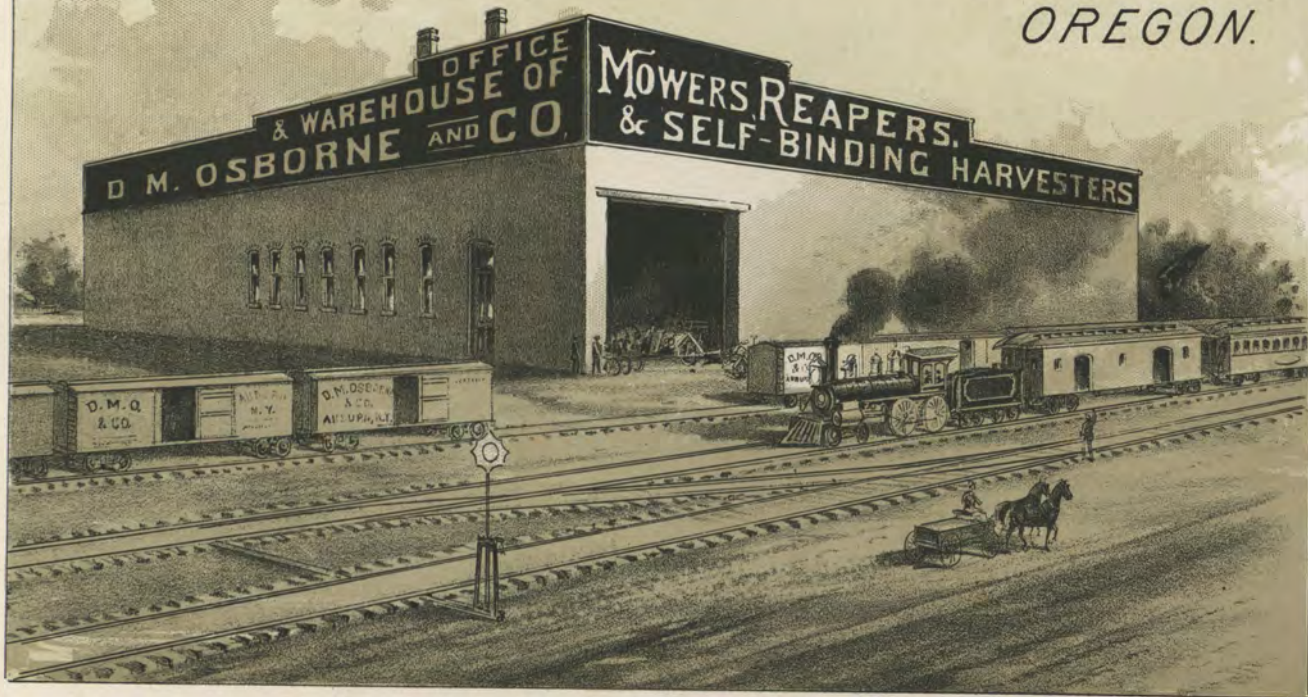


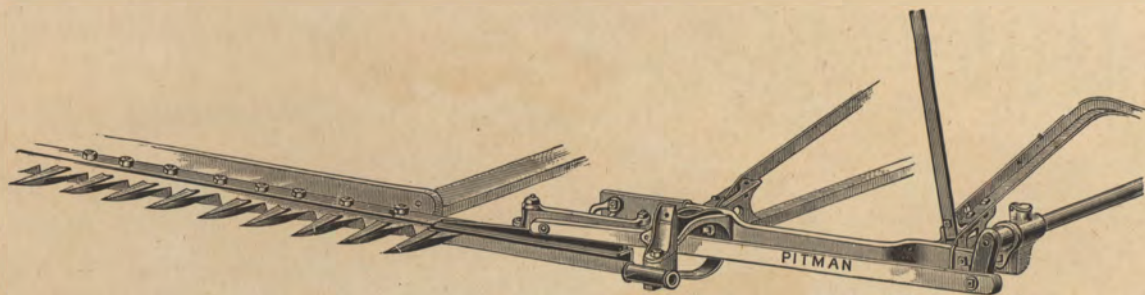
D. M. OSBORNE & CO.

BRANCH HOUSE,

PORTLAND,

OREGON.





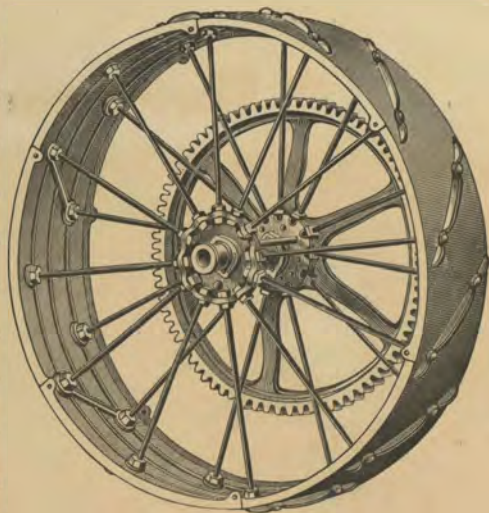
STRAIGHT DRIVE OF PITMAN.—In operating the Pitman from the front, as in a Mowing Machine, instead of operating from the rear, a less number of shafts, levers and loose joints are used. Our Sickle is driven in front by a straight drive, in a simple and effective way, by one Pitman, directly from the Crank Shaft in front of the Drive Wheel; a decided advance over the two Pitmans and two Crank Shafts, and preferable to the drive from the rear by a sway bar across the platform, with its trips and complicated parts that are constantly wearing and breaking. We can supply a greater power by our direct drive and with less expense of draft. It is self-evident that a direct drive has more power and involves less expenditure of force than an indirect drive. The Sickle can be quickly removed by disconnecting the Pitman. Our Main-drive Shaft runs in a box that is double and reversible; when one side is worn it can be reversed and can ultimately be replaced at trifling expense. All our gearing is simple, powerful, lasting. The teeth are uniform, insuring even wear. It is easy of access for oiling. The gearing is accurately fitted to shafts made true. There is no lost motion. All our gears and castings are finished, including milling, in the same manner as those for engine work.

D. M. OSBORNE & Co.

BRANCH HOUSE,
600 S. MORGAN ST.
CHICAGO, ILLINOIS.



The most vital and important part of the Harvester is the **DRIVE or BULL WHEEL**; this imparts the driving power to the entire machinery, and it is apparent, at a glance, that it must be made of great strength to bear the strains, strokes and the many contingencies that must be present in the harvest field. It must possess sufficient weight for the necessary traction, and yet great care must be exercised that there is no superfluous material to add to the draft. We have frequently been astonished in noticing the almost criminal recklessness exhibited by some manufacturers of Harvesters in the selection of materials for Drive Wheels, and we have been as greatly surprised at their frantic efforts to save cost. In some Drive Wheels the spokes are made of wood, which soon work loose and fall to pieces when exposed to the changes of wet and dry weather. In other cases, the Main Gear and sometimes, too, the Hub is cast to the spokes, making it necessary to purchase a new wheel in case a single cog is worn or broken. Some of our competitors have gone so far as to make the entire wheel, rim, spokes, hub and all, of cast iron. An examination of the OSBORNE Wheel will show that it is as light as compatible with strength, and that it is built in strict accordance with scientific principles.



D.M. OSBORNE & CO.
BRANCH HOUSE,
244 N. BROAD ST.

PHILADELPHIA, PENN.

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D. M. OSBORNE & CO.

MOWERS. REAPERS.

AND SELF-BINDING HARVESTERS.

REAPERS & MOWERS

242

D. M. OSBORNE & CO.

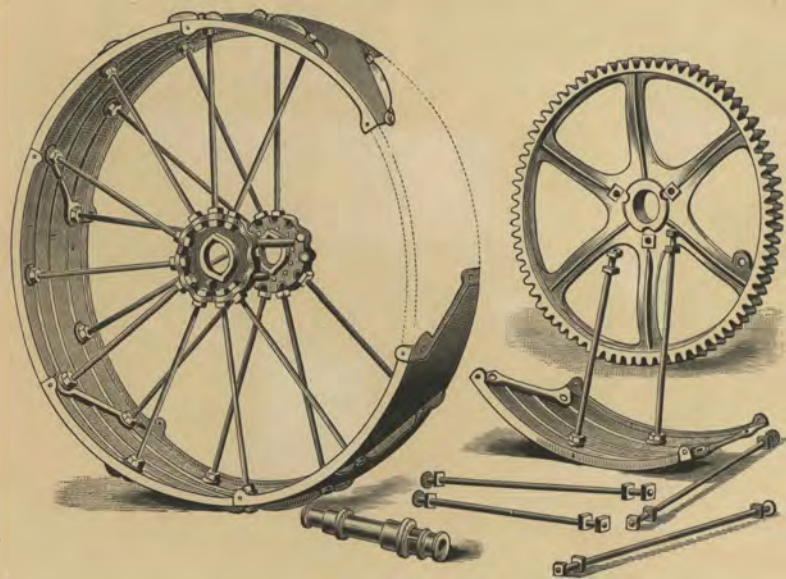


THE DRIVE WHEEL AND ITS PARTS.—The face of the OSBORNE “JUNIOR” DRIVE WHEEL is nine inches in width, with improved form of lugs, to make certain the traction. It is of malleable iron, and is made in six sections; in case of accident, one section can be removed and a new section inserted at trifling expense, as only the injured section is lost. The rim is supported by twenty-four steel spokes, held to the strong hub by double nuts. The hub is not made like most Harvester hubs, with spokes cast into the hub, but the hub itself can be detached when worn and a new one can be

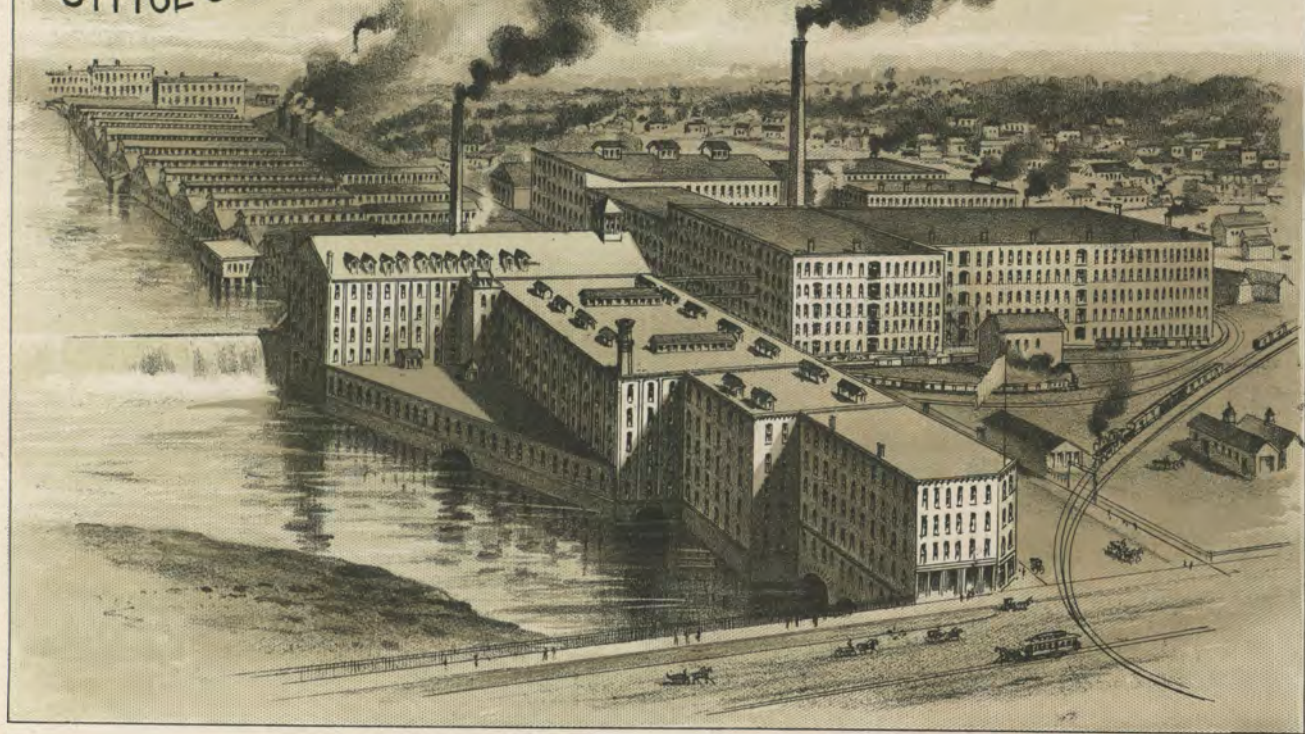
substituted. The Main Gear is fastened to each spoke by bolts and nuts so strongly that it cannot get out of position. The Gear Wheel is protected from mud and dirt; it is entirely independent of the Drive Wheel. The axle is oiled through oil cups that hold a sufficient quantity of oil to keep the axle thoroughly lubricated, and the cups are accessible.

The Distance Traveled.

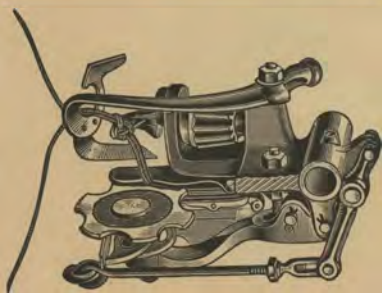
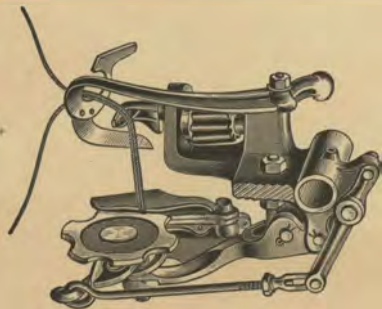
—The team travels—				
4 foot swath...	$2\frac{1}{16}$	miles in cutting an acre.		
$4\frac{1}{2}$ “ “	$1\frac{7}{8}$	“ “	“	“
5 “ “	$1\frac{3}{8}$	“ “	“	“
$5\frac{1}{2}$ “ “	$1\frac{1}{2}$	“ “	“	“
6 “ “	$1\frac{1}{8}$	“ “	“	“



D. M. OSBORNE & CO.
OFFICE & SHOPS, AUBURN, N.Y.



SWINGING DISC.—The most important function of the Knotter is to tie successfully the different qualities of twine found on the market for binding use, for it sometimes happens that the OSBORNE Binder Twine is not available and an inferior article is necessarily selected. We are ready for such an emergency with our Swinging Disc. The cut on the right of the page represents the Disc open and in position to receive the twine. When the twine is closed in the Disc, and at the time the Knotter begins to tie the knot, the Disc raises and yields the twine to the Knotter hook, thus taking the strain from the twine. Cut on left of the page shows the position of the Disc at the moment of the tying of the knot. Letting up, in this manner, on the tension of the twine, we are enabled to operate successfully with any and all kinds of Binder twine. Practically, with this Swinging Disc, about all the strain on the twine is the expansion of the bundle when discharged from the Binder.

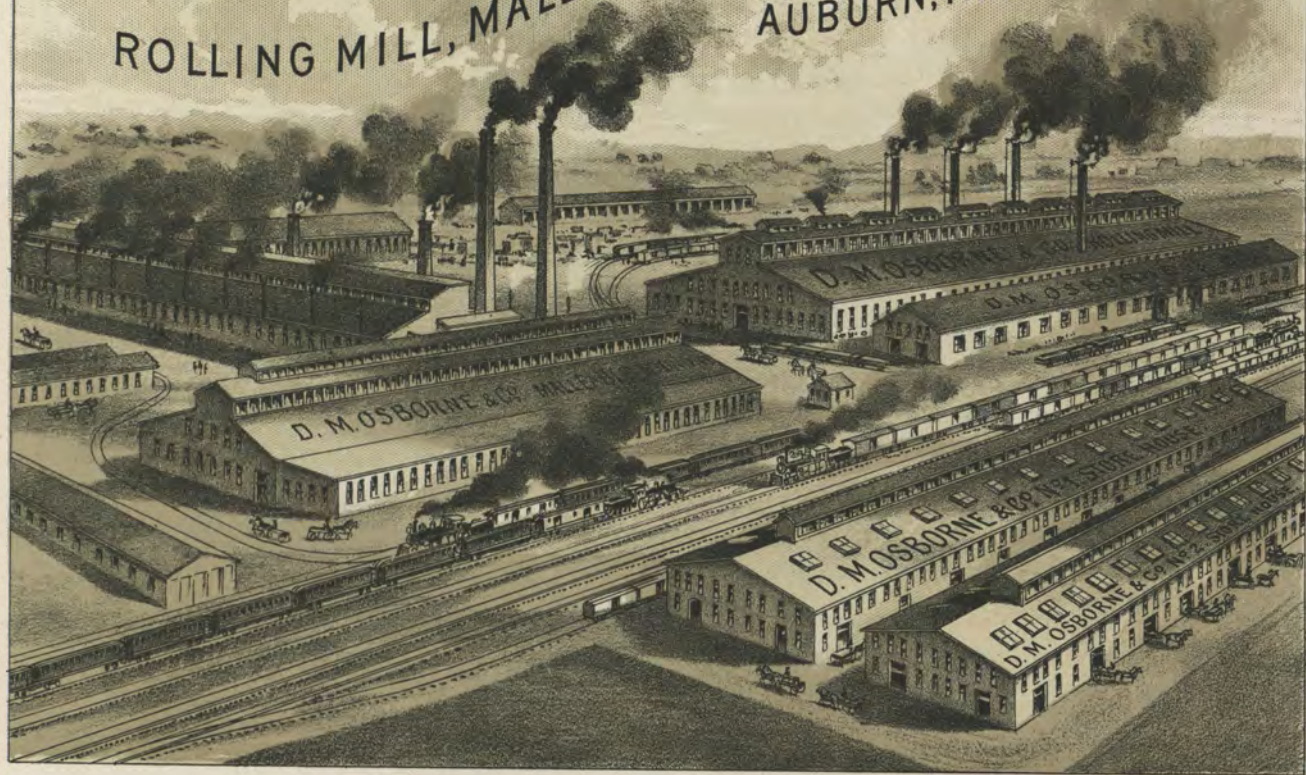


Our Knotter is so made in all its parts that after long wear it can be readjusted and properly timed by an inexperienced hand, and without the purchase of new parts. A Knotter, to be durable, must be nicely finished in all the parts subject to friction. Our Knotter is as highly finished as the cut-off valve of a steam engine, and is made for work and long service.

We invite comparison and inspection.

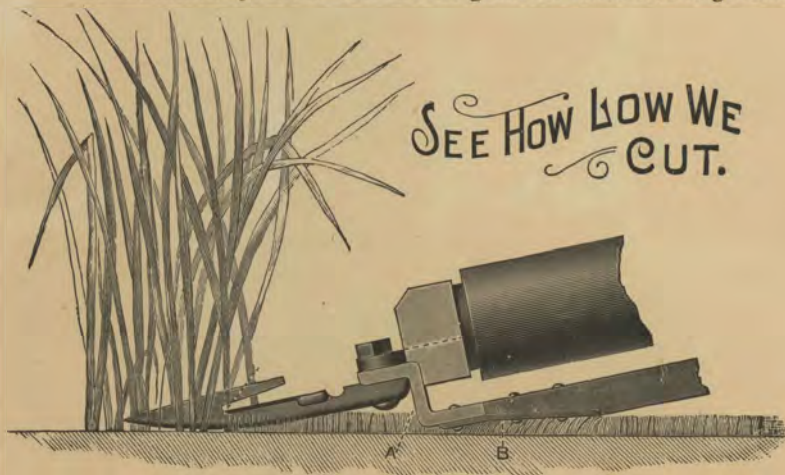
D.M. OSBORNE & CO.

ROLLING MILL, MALLEABLE WORKS & STORE HOUSES,
AUBURN, N.Y.



RAISING AND LOWERING.—The OSBORNE "JUNIOR" is raised and lowered at each end, separately. Experience has convinced us that this is by far preferable to the device in use by some of our competitors of lowering and raising both ends simultaneously, and the reason is that the principal weight of the machine, including the driver, is carried on the Main Drive Wheel, and it must settle into the ground more than the grain-wheel side of the machine; consequently, the stubble can be cut more evenly by regulating the elevation of each side of the Harvester independently. On side-hills and on rolling ground it is often desirable to raise or lower one side more than the other. Our raising and lowering are easily done by means of a simple worm gear.

The OSBORNE "JUNIOR" can cut the grain as close to the ground as is desirable under any circumstances,



as is illustrated by the cut on this page. The double angle-iron, *A*, to which is riveted our well-known steel-protecting plate, *B*, are pronounced features in our machine, and account for the durability and strength of the "JUNIOR." We illustrate the point of contact of the guards when striking the grain. The steel protecting plate, *B*, preserves the platform from the effect of contact with stones; it is a powerful point in favor of our Binder, and is so recognized the world over. The tilt in the "JUNIOR" is *perfection!*

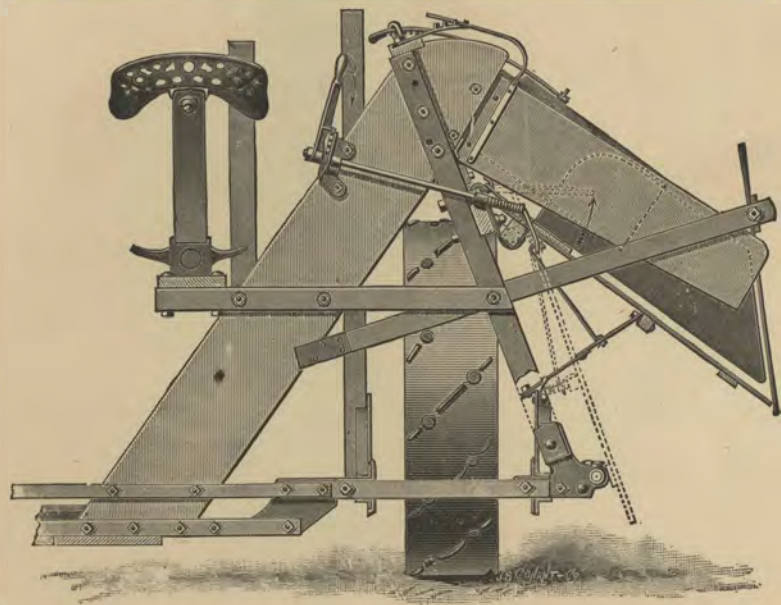
D. M. OSBORNE & CO.

BRANCH HOUSE,
SAN FRANCISCO, CAL.



OUR CLOVER AND FLAX ATTACHMENT is simple and effective; and, with an **Osborne Self-Binder** thus equipped, the farmer can gather his seed clover and his flax with ease and economy. In ordering this attachment, please indicate whether it is intended for the **Osborne No. 11** or the **Osborne "Junior;"** also give year of purchase and the number to be found on back rail of bottom of the machine.

A Point or Two.—We desire to emphasize the statement that our Binder has greater advantages for

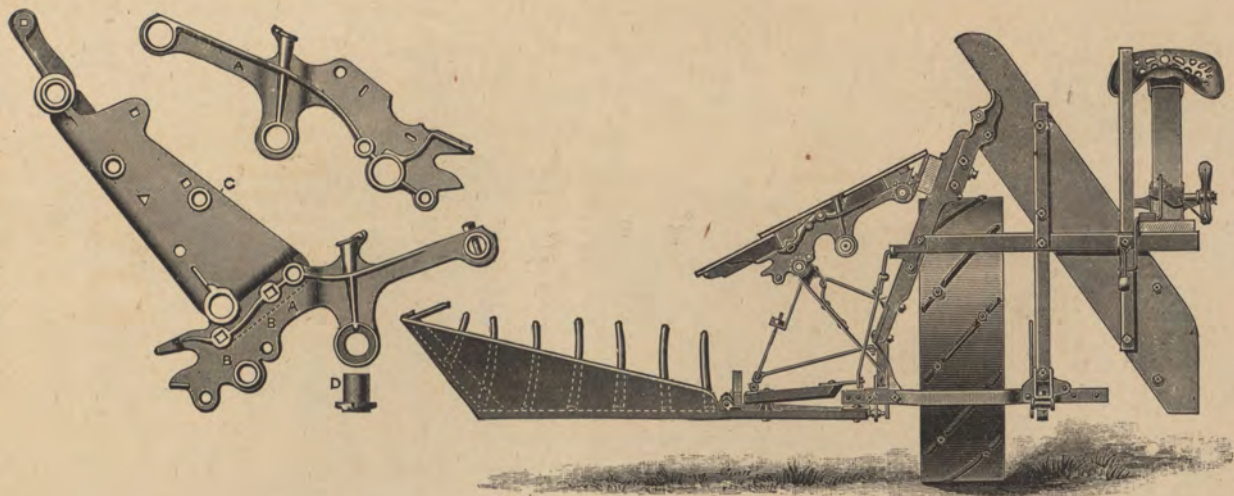


binding grain than any other Binder in the market. We can bind twenty-seven inches from the butts, and the Binder can be so telescoped as to do good binding within four inches of the butts.

The packer-shaft runs in a hard-chilled boxing. Most packer-shafts are run through cast-iron sill, with no protection. The Gear Wheel of the Binder is of malleable iron; no possibility of a break.

We use a vibrating butter of wood; never wears; always ready.

A great feature, appreciated by the farmer, is our convenient arrangement for oiling the **OSBORNE "JUNIOR."** The Binder we oil from the top of the decks; no stooping; no back-breaking.



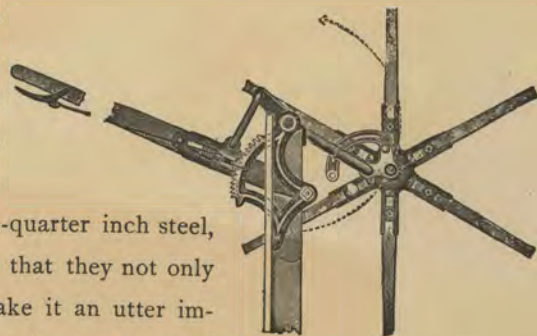
THE OSBORNE QUICK DETACHABLE SHEAF CARRIER has given satisfaction to our patrons in the harvests of the past three years. It is easily operated, quickly attached to and detached from our Harvester, and will carry from four to six bundles. In ordering, indicate the Self-Binder it is to be used on; whether our **No. 11** or our Osborne "**Junior**;" also give year of purchase and the number on back rail of bottom of machine.

THE SILL, or Supporting Frame of a Binder, requires both strength and rigidity, in order that the working parts may move freely and in perfect adjustment. This we have secured by making the sills of malleable iron, an outside view of which is shown in elevation at *A*, with the Binder frame, *C*, secured thereto by the bolts, *B B*. The smaller figure shows an inside view of the sill, *A*, giving a true idea of the construction. We employ a removable bushing, shown at *D*. By our bushing device the worn part may be easily and quickly replaced, at slight expense, without interfering with the frame or sill.

D. M. OSBORNE & CO.
BRANCH HOUSE, DALLAS, TEXAS.

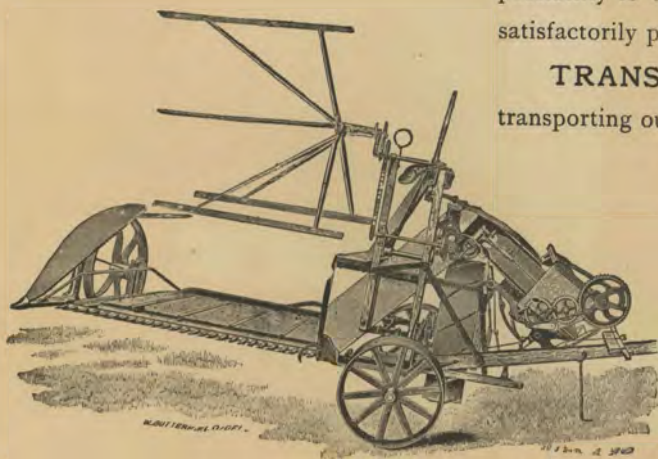


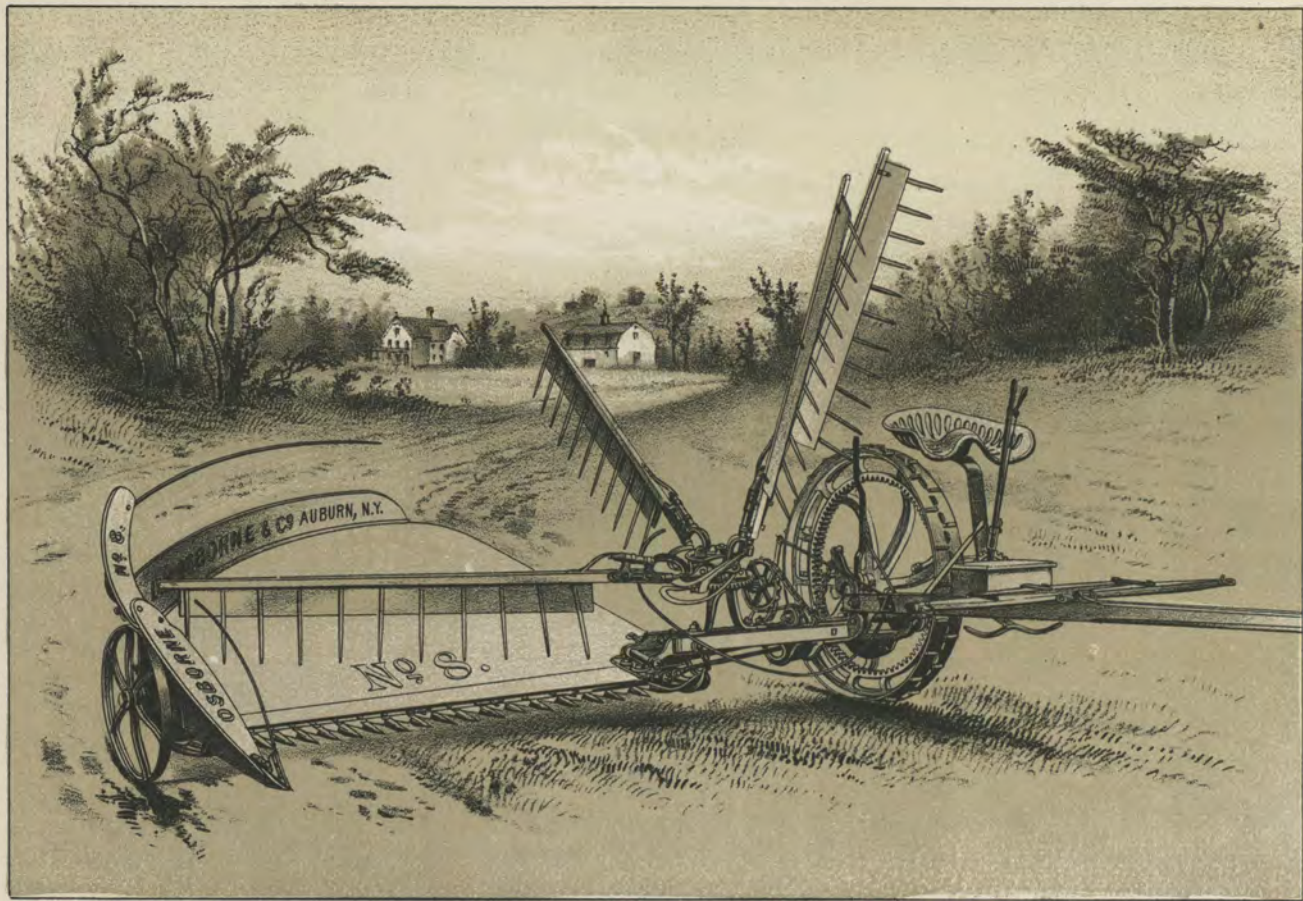
THE OSBORNE REEL.—Our Reel is controlled by a single lever, and is easily and quickly placed in any desired position. This adjustment is perfect, as it can be placed in just the right position to pick and reel lodged grain back to the cutters, and place it in proper position upon the conveying canvas. The arm that supports the reel is one and one-quarter inch steel, and the bearings upon which it is worked are so connected that they not only greatly facilitate the adjustment of the driving chain, but make it an utter im-



possibility to throw the reel out of line. The OSBORNE Reel will satisfactorily perform all the service required of a first-class Reel.

TRANSPORTATION TRUCKS.—Our Trucks for transporting our Harvester and Binder over narrow bridges, on the road or through gateways, is a very simple and inexpensive carriage. It requires but a few moments to mount the Harvester on the OSBORNE TRUCK, and by a novel arrangement the driver can turn his team to the end of machine in line with the cutting apparatus, without detaching the pole; and, by attaching brace to eye in gear plate and pole, he is ready to move, having placed axle and wheels under the frame.







The Osborne No. 8 Reaper.

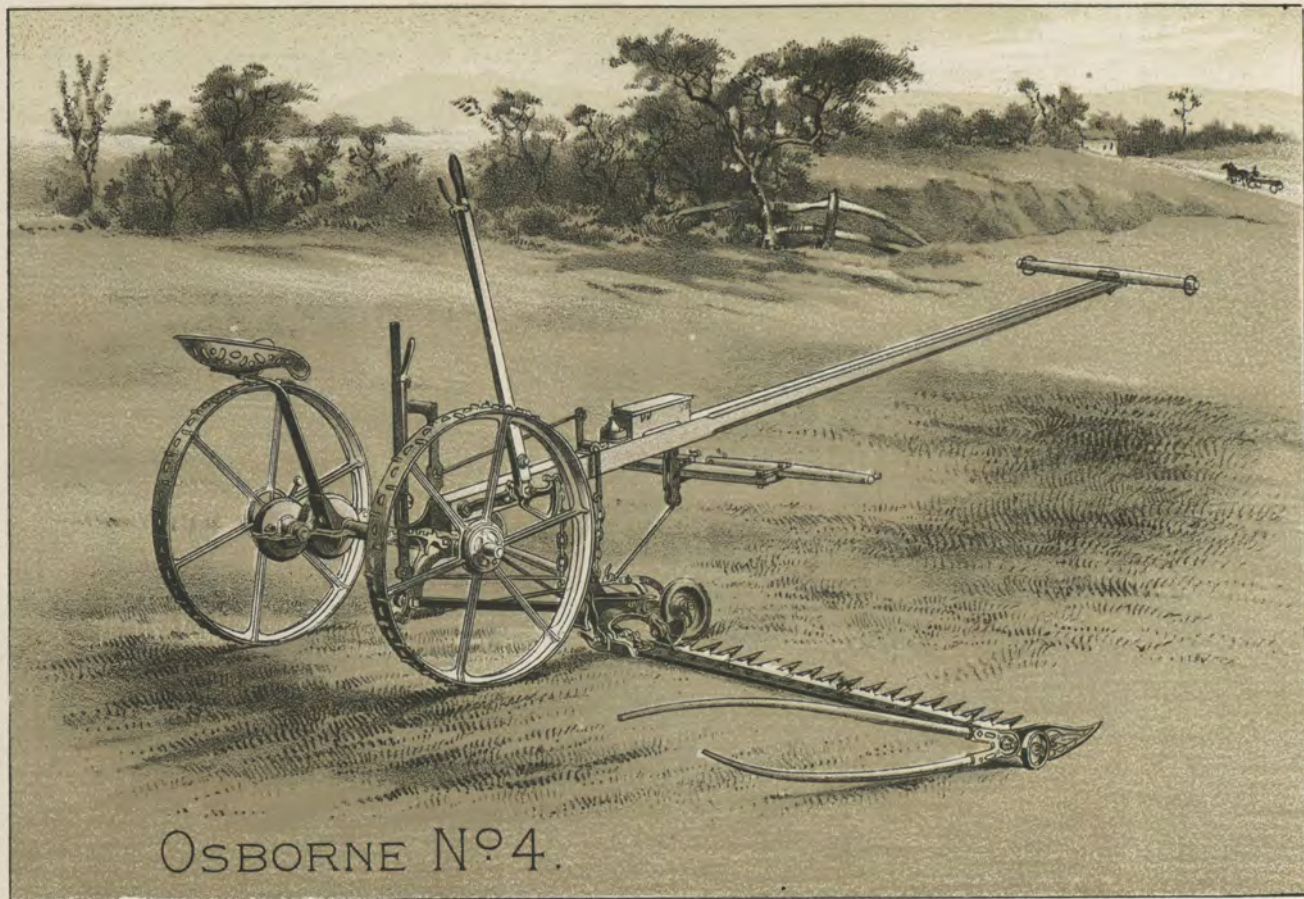
This popular Reaper includes all the essential points of a good, serviceable and durable machine. Our Drive Wheel is high, broad on its face, and provided with diagonal lugs to prevent sliding on side-hills. Our Rake-Head is of malleable iron, giving it great lightness, combined with strength, and is so adjusted that the rake always passes

in a straight line over the knife, delivering the grain straight on the platform and all the way through the gavel.

Our **New Tilter** is in front of and within easy reach of the driver, and can be operated by a boy.

The rake can be set so that every fourth rake, or every other one, can rake off automatically; or all can be used, according to the grain.

The platform can be folded, for easy transportation or for storage. For small farms, or hill land, and for any grain, the No. 8 has no equal. The seat is attached so that, with any driver, it balances the Reaper; no weight on horse's neck; no side draft. Eighty Thousand OSBORNE Reapers have been made and sold, and nothing but good is ever spoken of them.



OSBORNE No 4.

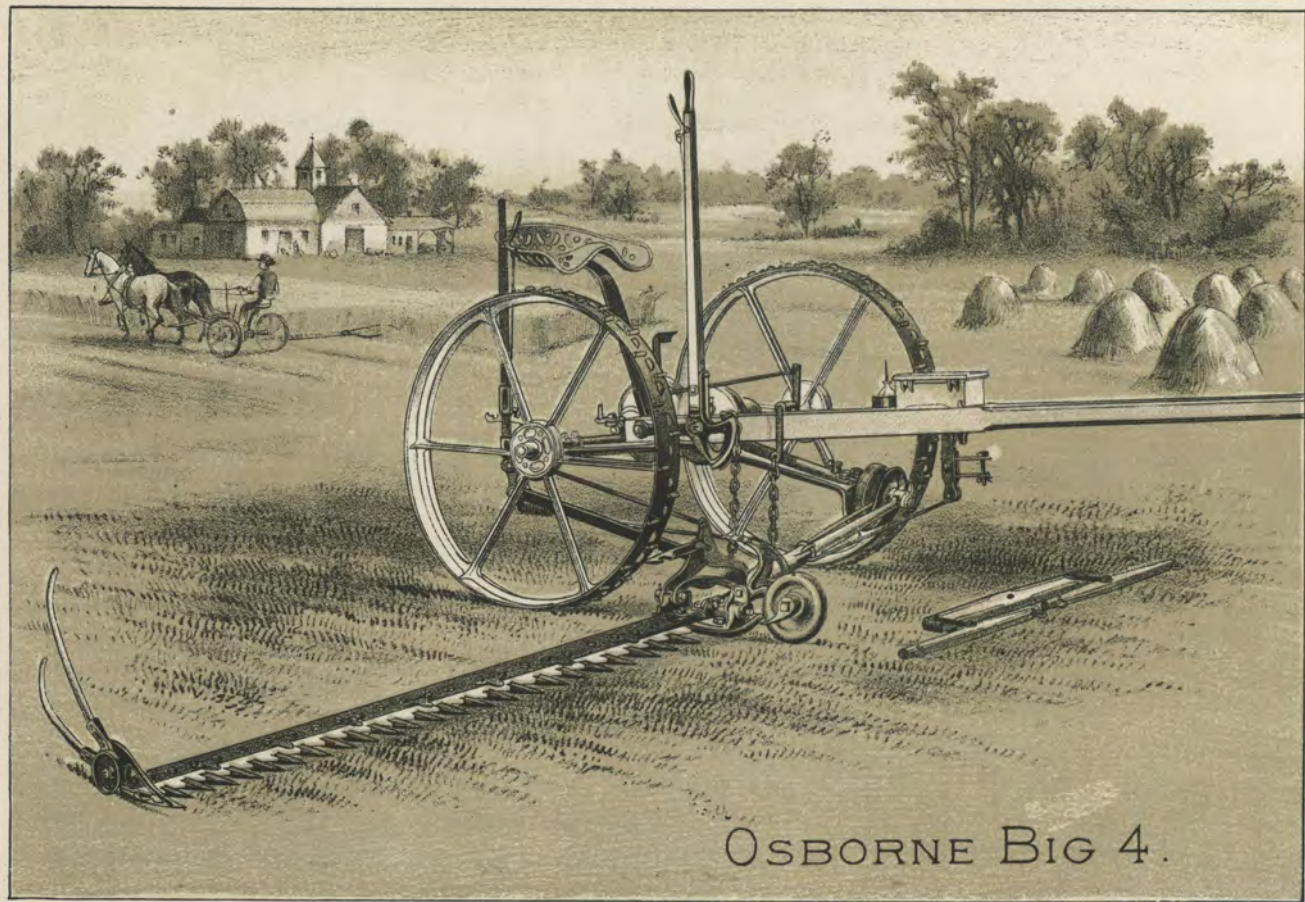
THE OSBORNE MOWERS.

THE illustrations of the OSBORNE line of Mowers, the **No. 4** and **Big 4**, are from the sketches of one of the most accurate artists in this country, and they present a faithful and exact representation of the Mowers. We commend to the reader, who may never have seen one of our famous Mowers, a careful examination of these admirable sketches. He will obtain a very excellent idea of the machines, and will be convinced, we think, that they are entitled to the high reputation they sustain the world over. We would prefer, however, a careful inspection of the Mowers, whenever an opportunity may occur, as the machines, when once seen, are the strongest inducement to purchase. Their merits secure the sale.

The Osborne No. 4 Mower is so constructed as to give enormous power to the cutting apparatus, a power unattainable in any other Mower. With this Mower we are able to leave the grass in the best shape to dry, to raise either end of the Cutter Bar in passing obstructions, to mow close to the sides of a tree, or obstructions, to pass over obstructions, to mow on side-hill without sliding, to do good work on rough ground, and to cut any grass that grows on top of the earth. It is symmetrical in appearance and of excellent workmanship, is exceedingly well-balanced, and is entirely free from neck-weight and side-draft.

The Gearing is simple, completely inclosed in a cast-iron case, fully protecting it from rain, mud or dust. The teeth are uniform in size, insuring perfect mesh and even wear the whole length of the cog. It is easy of access for oiling, and the close case protects the oil from grit and dirt and the consequent wear on the bearings of the cogs. The gears are accurately fitted to shafts made absolutely true.

In the **Drive Wheel** of the **Osborne Mower** will be found **Four Pawls**, while most of the Mowers have but two. This device enables us to take up all lost motion, and this advantage will appear when the machine is turned to the left or right when cutting grass. Where a Mower has but two pawls, there are several



OSBORNE BIG 4.

inches of lost motion to the rim of the wheel ; consequently, when this Mower is turned to the right, the pawls in the left-hand wheel lose their hold and the left-hand wheel does the driving. When turning to the left, with but two pawls, there is so much lost motion in the hub that the Cutting Bar swings through the grass before the pawls take hold, so that the Mower becomes clogged, and the driver is obliged to back up to get his knives in motion. With our four pawls we have none of this lost motion, and the driver can turn to the right or the left and the knives are in constant motion, and no clogging can occur.

Another desirable and unique feature of the OSBORNE MOWER is the **Loose and Flexible Cutter Bar**. The outer end of the bar will droop two and a half feet into a ditch, or will raise in like degree in passing over a knoll. Other mowers are stiff in the heel, and, the outer end being inflexible, will not follow the inequalities of the ground. The result will be that when the bar runs on a ridge, or the left-hand wheel strikes a furrow, the outer end of the bar will be whipping the air. Now, to get desirable work over rough and uneven ground, the bar must be flexible and perfectly free to droop over a knoll without springing. By taking hold of the inside shoe of the **Osborne No. 4** and tilting it, it will be observed that the heel of our Cutting Bar can be raised from the ground free without raising the outer end of the bar. Other Mowers being inflexible, when the inside shoe is lifted the outer end of the bar will come up with it. A Spring Attachment on the Lead Wheel carries the Cutter Bar smoothly on uneven meadow.

Our Whiffle-Trees are attached to the draft-rod *under the pole*, and so pull from the direct line of draft. This gives an easy-running machine, cutting the heaviest grass without a particle of side-draft or an ounce of weight on the horses' necks.

The Main Frame is cast in one piece, compact and strong—no twisting, no warping, always true, with the shafts in line.

The Seat is attached to a steel spring, fastened at an angle, affording a well-balanced Mower.

The Shifter-Lever, for throwing in and out of gear, is in the middle of the machine, conveniently operated by hand or foot.



OSBORNE NO. 4. (ON THE ROAD.)

The Crank-Shaft Box is of the kind called a "pipe-box," protecting the Crank-Shaft from dust, but unlike that part of many Mowers, it is not a part of the Main Frame, but is attached to it, so that when the box is worn out it can be replaced by a new one at a trifling cost.

The Pitman runs in a straight line, giving a direct, powerful stroke to the knife. It is connected with a crank or fly-wheel by means of a brass box, having a large wearing surface, with great freedom of motion, so arranged that the slack can be taken up as the box wears. The Pitman Rod has a ball and socket connection, securing a uniform and continuous motion. For this reason, all cramping or binding and consequent excessive wear are avoided. The Pitman conveys all motion and power from the gearing to the cutting apparatus, and, moving at a very high rate of speed, it is of the utmost importance that it be light, yet strong, and that it should be worked in a direct line to insure strong and reliable motion. This scientific principle has been kept constantly in mind in the manufacture of the OSBORNE MOWERS. There are no clap-trap knuckles, springs and other annoying devices at either end of the OSBORNE Pitman Rod.

The Drive Wheels are high, to secure light draft, far apart, and supplied with sprockets to secure continuous traction.

The Osborne Milled Malleable Guard, with steel ledger-plate, milled so true that each guard fits the Cutter Bar with mathematical exactness, allows the scythe to run on steel exclusively, with a smoothness not attained by any other Mower.

The Push-Bar is connected to the Main Frame at a point back of and below the centre of the frame and Drive Wheels, the point of action being so low as to prevent the Mower from suddenly doubling on itself should the Cutter Bar strike an obstruction.

The Lifting Lever, within easy reach, raises and lowers the finger-bar. Attached to the raising device is a lock, or dog, by which the whole finger-bar is raised—outer and inner ends simultaneously. This is done without changing position of frame, while pitman and knives remain in line.

BRANCH HOUSE, MINNEAPOLIS,
D.M. OSBORNE & CO. MINN.



The Osborne Foot Lever.—We present on page 37 a clearly defined cut of the OSBORNE Foot Lever, as used on many of our Mowers through the season of 1890 with very desirable results. Its object is to raise and carry the Finger Bar over obstructions. The Lever is operated by the right foot of the driver—a slight pressure serving to lift the bar over ordinary obstacles, reducing the exertions of the operator of the Mower to the minimum. The Foot Lift can be attached readily to the **Osborne Big 4 Mower** and the **Osborne No. 4 Mower** when so desired by our patrons

The Big 4 is an enlarged No. 4. We make it to meet the wants of farmers who desire a machine cutting a wider swath than the No. 4. The greatest width we have found really practicable is six feet. Although the frame, wheels and various parts of the Big 4 are enlarged from the No. 4, yet the additional weight and width of cut require very slight, if any, increase of motive power.

We manufacture the **Osborne No. 3 One-Horse Mower**. It is a duplicate of the No. 4, reduced in size and weight, and is sent to the purchaser with shafts instead of a pole. It is in great demand for work on extensive lawns, parks and small farms.

The No. 4, Cuts 4 feet 6 inches and 5 feet.

The Big 4, Cuts 6 feet.

The No. 3, (one-horse,) Cuts 3 feet 6 inches.

For prices of any of our make of machines, terms of sale, and application for agencies and location of agents, address the home office or our branch house nearest your place of residence.

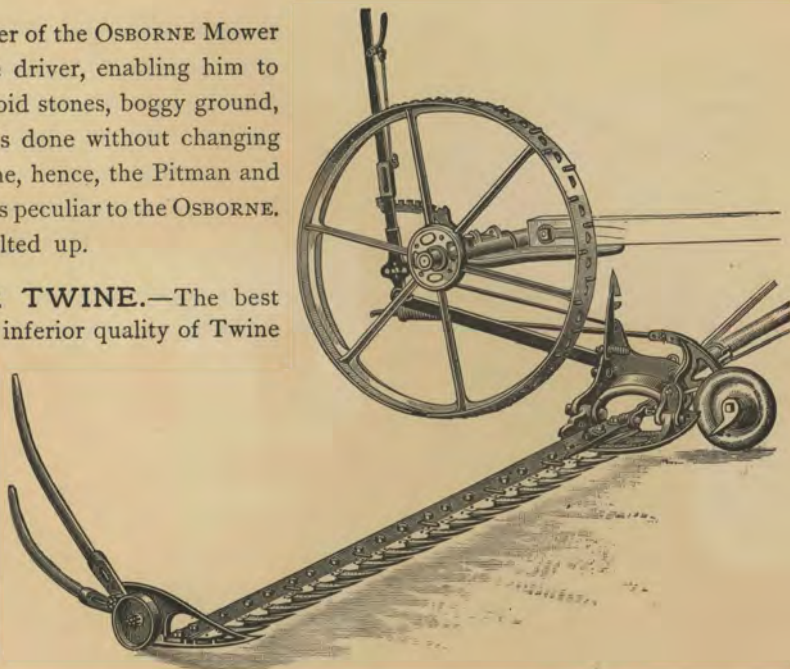
*D.M. OSBORNE & Co. BRANCH HOUSE,
KANSAS CITY, MO.*



HIGH TILT.—The Tilting Lever of the OSBORNE Mower is under the immediate control of the driver, enabling him to throw the point of the guards up to avoid stones, boggy ground, or impediments of any nature. This is done without changing the position of the frame of the machine, hence, the Pitman and Cutter Bar remain in line. This feature is peculiar to the OSBORNE. The cut on this page shows guards tilted up.

THE OSBORNE BINDER TWINE.—The best Self-Binder cannot do good work if an inferior quality of Twine be used. A poor article is dear at any price. We claim for the Twine we offer that it is longer to the pound, more uniform, smoother, freer from bunches and thin spots, much stronger and more reliable than any other Twine offered.

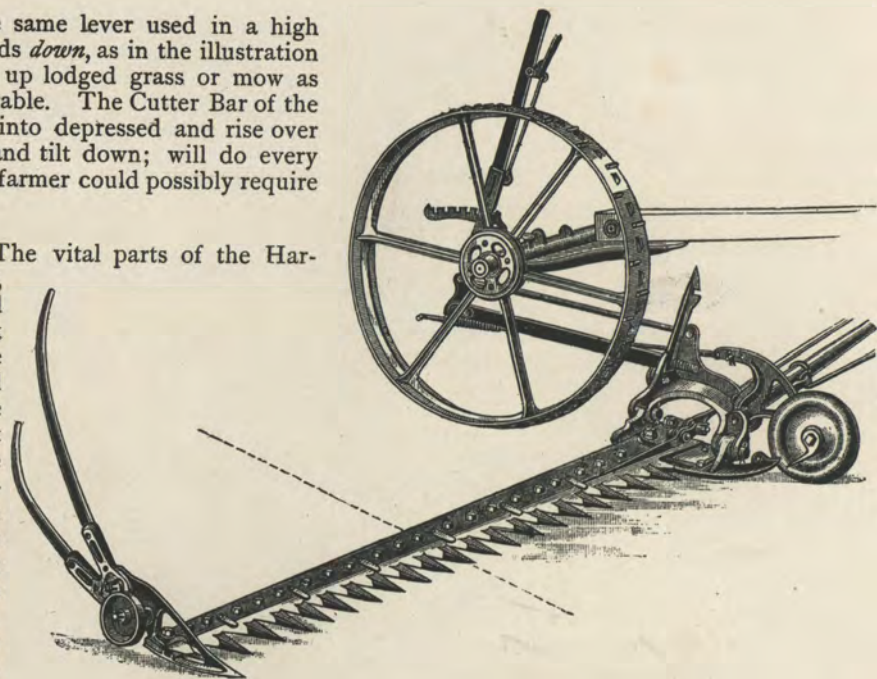
For the harvest of 1890 we handled and sold more Binder Twine than any one manufacturer of Harvesting Machinery in the country, and we have received from all quarters commendation as to its quality, and entire satisfaction as to its price as compared with the average state of the twine market during the season. For 1891 we have bought 6,500 tons of Binder Twine, every pound of which will be manufactured especially for us and under the immediate inspection of one of our own experts. If you desire to go through your harvest time happy and contented buy twine with "**D. M. O. & CO.**" on outside of sacks. For sale by our agents everywhere.



LOW TILT.—By the same lever used in a high tilt we can also throw the guards *down*, as in the illustration on this page, and so can take up lodged grass or mow as near the ground as can be desirable. The Cutter Bar of the OSBORNE Mowers will droop into depressed and rise over elevated ground; will tilt up and tilt down; will do every thing that the most punctilious farmer could possibly require of a Mower.

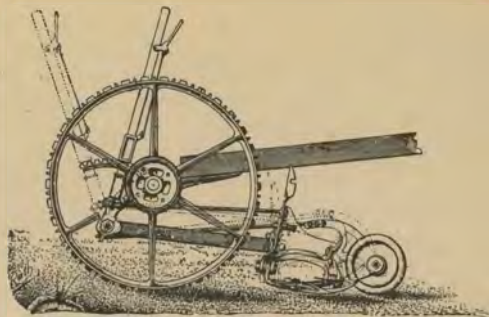
Some Suggestions.—The vital parts of the Harvester are the road wheel shaft, the spur pinion, or what is called the second shaft, and the crank shaft. To oil these parts, there are two oil holes in the road wheel, one at the bearing of the spur pinion—which is the most important of all, as it is the prime mover of all the machinery,—and three oil holes in the crank shaft. Take good care of these parts, and they are good for years, and will last as long as any other part of the machine. The proper thing for the farmer to do is to take his knife or pick

and open the oil holes, and see that the oil can flow freely into the bearing. Every part of the Binder should be looked after carefully, especially the packers and the butter. There is no Binder so well constructed for convenience in oiling the packers as the **D. M. Osborne & Co. Steel Frame Binder**. On examination, a tube will be found on the side of the packer that comes up through the deck. By simply putting a wrench on the square shaft and turning the packers around, the oil tubes will be in plain sight from the deck, and will suggest a generous supply of oil. The better any machine is kept, the better it will work—a self-evident truth.

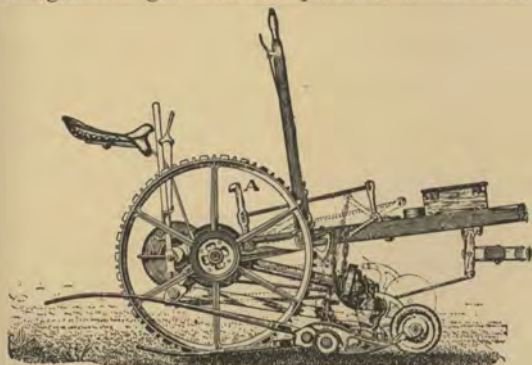


The Lead Wheel.

The annexed cut demonstrates the fact that the tilt of the guard fingers, when the Mower is in motion, in no wise interferes with the office of the Lead Wheel. No matter how high the guards may be tilted, the Lead Wheel, running independently, remains during the operations of tilting, on the ground, carrying the cutting apparatus smoothly over the roughest surface. The spring attachment to the Lead Wheel sends the wheel quietly and easily along the ground. In the *positive* lines and in the *light* guard finger in the cut, the tilting device is shown in the position it assumes when the guards are at the lower point of cutting; the dotted and the dead black guard finger show the position of the tilting parts when the guards are at their highest tilt. The Lead



Wheel during the changes in the elevation, or depression, of the guard fingers, sticks to its native heath, attending strictly to the business of a first-class, effective Lead Wheel. And this is one of the many excellent features of the OSBORNE Mower that contribute in placing it at the head of the Mowers of the world. As we have had occasion to remark, there is no grass that grows, from the wire grass of the prairie to the Alfalfa of the farther West, that can withstand the powerful stroke and the resistless advance of this wonderful Mower.



Foot Lever Attachment.—By applying the foot to the lever at "A," and pressing the lever forward, the Lead Wheel and inner end of the Cutter Bar are raised to the point indicated by the dotted lines in the illustration. This lever will be found to be a most convenient arrangement for throwing the Mower over obstructions quickly and with the slightest effort on the part of the driver.

All Osborne Machines are sold subject to the Warranty below, and no Agent has any authority to change the same.

WARRANTY.

"All machines are warranted to be well built, of good material, and capable of cutting, if properly managed, from ten to fifteen acres per day. If, on starting the machine, it should in any way prove defective, and not work well, the purchaser shall give prompt notice to the Agent of whom he purchased it, and allow time for a person to be sent to put it in order. If it cannot then be made to do good work, the defective part will be replaced, or the machine received back from the purchaser at the office of the Agent from whom it was purchased, and the money or notes returned. Keeping the machine during harvest, whether kept in use or not, shall be deemed conclusive evidence that the machine fills the warranty."



D. M. OSBORNE & CO.,

By T. M. OSBORNE, President.

GENERAL DIRECTIONS.

When you send an order for machines or repairs, be particular to mention :

FIRST.—TOWN, COUNTY AND STATE TO WHICH THEY ARE TO BE SHIPPED, AND NEAREST R.R. STATION.

SECOND.—WHETHER BY FREIGHT OR EXPRESS.

THIRD.—IF REPAIRS ARE WANTED, GIVE **LETTER** AND **NUMBER** OF EXTRA PIECE, AND STATE YEAR IN WHICH MACHINE WAS MADE OR PURCHASED.

FOURTH.—BE SURE AND DESIGNATE THE MACHINE WANTED ; IF MOWER, WHETHER REAR OR FRONT CUT ; IF BINDER, NO. 11 OR "JUNIOR;" AND IF REAPER, STATE THE NO. 8.

FIFTH.—YOUR POST-OFFICE ADDRESS.

To assist in ordering repairs, we place, in addition to instructions for setting up the machine, a printed list of the pieces ("*Extras*") in the tool-box of each machine we send out. In ordering extras, examine the piece required, and if there be a *letter* and *number* on it, you need only state the same to our agent, who will recognize at once the piece you need. If no letter and number be on it, *send the piece itself* to our agent. If no local agent be in your vicinity, order the extra of our nearest *Branch Office*, whose address will be found on the first page of this catalogue; sending letter and number by mail, or piece by express.

DO NOT FORGET TO ATTACH YOUR POST-OFFICE ADDRESS.

We often receive business letters from farmers on which there is nothing to show the Post-Office address of the writer. Such letters, of course, cannot be answered.

Please write your NAME, POST-OFFICE, COUNTY and STATE *plainly*, and address all communications to

D. M. OSBORNE & CO.,

either at AUBURN, N. Y., or our nearest Branch Office.  All inquiries will receive *prompt* and *careful* attention. (See list of Branch Offices on title page.)

D.M. OSBORNE

& Co.

CALENDAR,

1891

JANUARY.

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APRIL.

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SEPTEMBER.

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NOVEMBER.

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JULY.

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OCTOBER.

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MOWERS
REAPERS

1880

SELF-BINDING
HARVESTING
MACHINERY.

AUBURN, N.Y. U.S.A.

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1880