

CATALOGUE

MARSEILLES

NUMBER 45

CORN SHELLERS
HORSE POWERS
& SPEED JACKS

MARSEILLES COMPANY
EAST MOLINE, ILL.

SHELLER CATALOGUE NUMBER 45

1913



1913

The Trade Mark of Quality
Made Famous by Good Implements

ALL SIZES AND STYLES OF

HAND CORN SHELLERS
SPRING CORN SHELLERS

CYLINDER CORN SHELLERS
SHOELESS CORN SHELLERS

WAREHOUSE CORN SHELLERS
SHUCK CORN SHELLERS

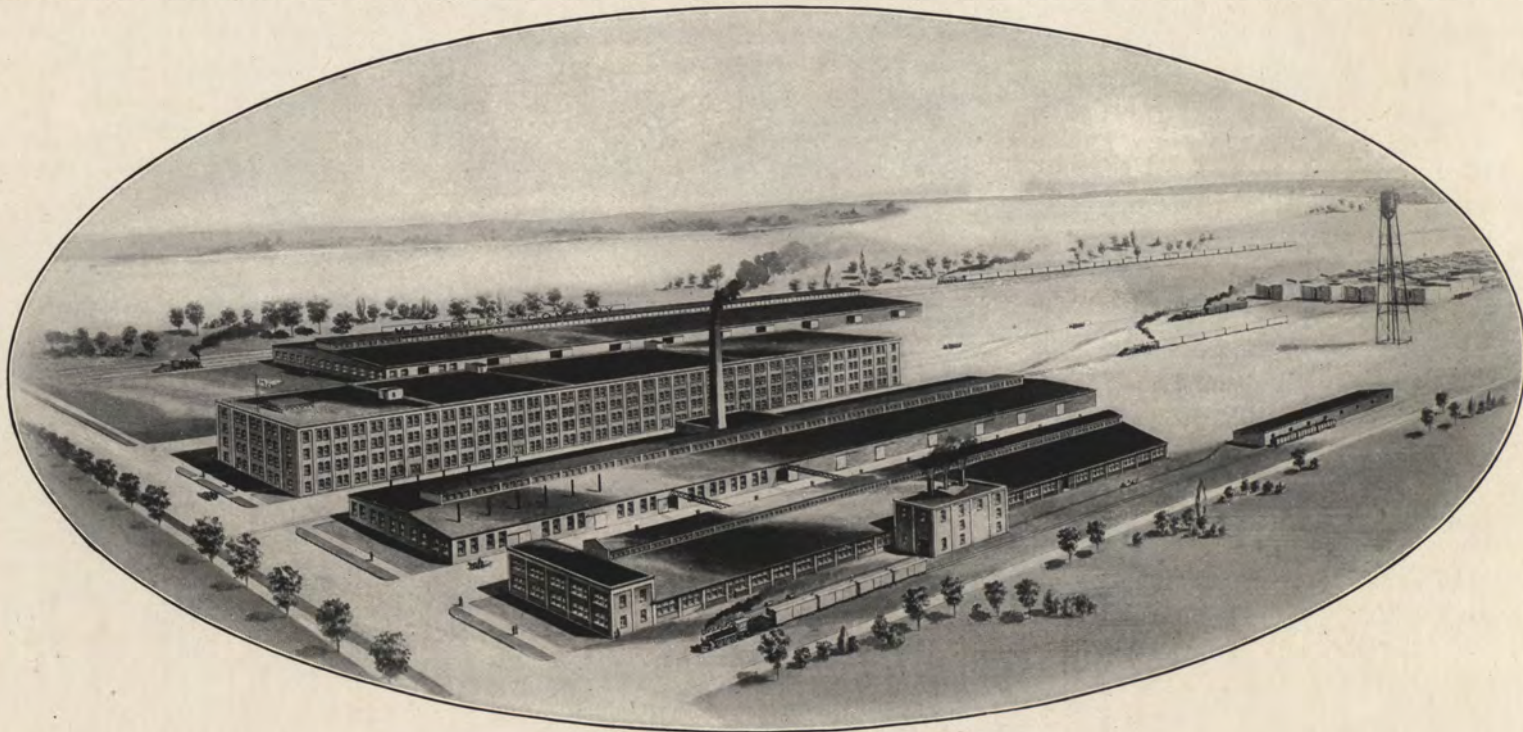
HORSE POWERS

SPEED JACKS

MARSEILLES COMPANY

EAST MOLINE, ILLINOIS, U. S. A.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.



Marseilles Company, East Moline, Illinois

Marseilles Shellers Are Made in the Largest and Most Modern Sheller Factory in the Entire World

MARSEILLES COMPANY. EAST MOLINE, ILLINOIS.

Historical

FORTY-FIVE years ago, Hon. Augustus Adams (inventor of self-feeding corn shellers) organized our corn-sheller business.

Three years later, the firm was incorporated as the Marseilles Manufacturing Co. Business grew gradually, and by 1908 the capital had increased to \$250,000.

A large share of the output was then being taken care of yearly by the John Deere Sales Organization. In a very short time the factory became entirely too small. The plant was moved to East Moline, Illinois, in 1910, when it became a part of Deere & Co., as the Marseilles Company, with a capital of \$750,000.

On the opposite page is illustrated the finest corn sheller factory in the world. It contains over seven acres of floor space, and all the machinery is of the latest and most modern construction.

Sufficient land has been provided for the growth of this new acquisition to the John Deere family, and it is anticipated that the future demands for its products will make it one of the largest of the Deere factories.

In addition to our years of experience in making corn shellers, which commenced with their origin, we are now better equipped

than ever before to furnish the greatest line of corn shellers, horse-powers, portable elevators, etc., ever offered the trade.

We can now purchase the finest material advantageously, and have the mechanical ability of the entire John Deere Organization to draw from, in making our products superior to all others.

Located in the Moline shipping district, gives the Marseilles Company distinct advantage, as it is possible to take advantage of the convenience and saving in mixing of cars with other John Deere products.

It is further evident that where a factory organization is placing its entire effort on one class of machinery, a higher grade and more uniform product is possible than where the attempt is made to cover widely different lines.

Marseilles Company shellers have an established reputation and are recognized as leaders. Special attention is called to the full and complete line manufactured. Every need of the farmer, stock raiser or elevator operator is taken care of.

From the smallest hand sheller to the largest power sheller, we make every size and style of corn sheller for all kinds of work.

Marseilles Company
East Moline, Illinois

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Diamond and Pearl Corn Shellers

Diamond One-Hole Hand Corn Sheller

THIS is a high-grade machine. Made with a substantial hardwood frame joined by tenons and mortises, while each joint is drawn tight with a hardwood dowel pin.

It has a large cast-iron balance wheel, making it easy to operate.



With
Fan
and
Table

No. 15½ Diamond Sheller

It removes all corn from the cobs and is quickly adjusted for different sizes of corn.

All gears are on the inside of frame. It has an adjustable spout, hinged rag iron and crucible cast steel bow spring; also bevel and straight runner, all of which do just as effective work as the larger machines.

For the best work, balance wheel shaft should be run at about 300 to 360 revolutions per minute. If it is desired to run sheller by engine, a clamp pulley wheel can be furnished.

Regularly equipped with feed table and cleaning fan, it can be furnished without either or both. When furnished without cleaning fan, but with table feed, it is described as No. 14½ Diamond Sheller.

Pearl Two-Hole Hand or Power Sheller

WHERE a small combination hand and power sheller is desired, No. 1 Pearl Sheller, our smallest two-hole sheller, is the best suited. It is light enough to be used regularly as a hand sheller and is strong enough to be operated by power.

As the shelled corn drops from the shelling wheels to the basket below machine, chaff and dirt are blown out by a powerful blast fan. The cobs are discharged from end of sheller by the action of the straight runner.

If slip coupling and horse-power tumbling rod connection are supplied instead of belt pulley it is designated as No. 2 Pearl Sheller.

Single sacking or nine-foot wagon-box elevator can be furnished.

10" x 3", 8" x 3" or 15" x 3" pulley can be supplied. Pulley is put on either balance wheel shaft or straight runner shaft. Capacity of sheller ranges from 20 to 30 bushels per hour.



With
Crank,
Fan,
Table
Feed
and
Belt
Pulley



No. 1 Pearl

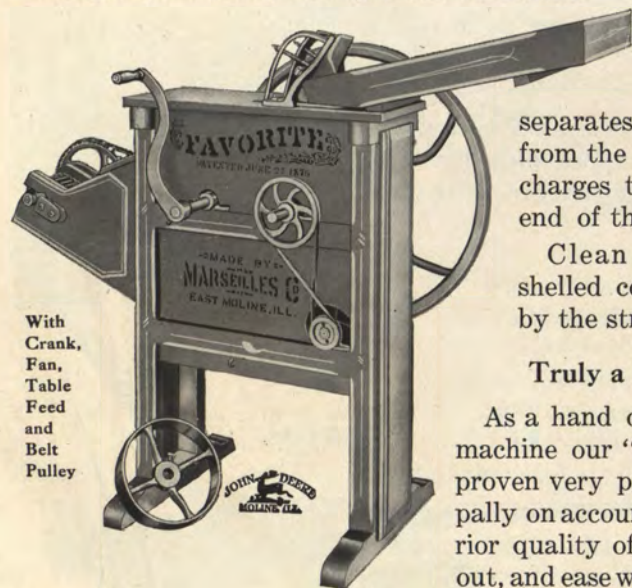
MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Favorite Two-Hole Corn Sheller, Separator and Cleaner

Separator and Cleaner

ALL through our sheller line the same high grade of material and workmanship exists. Each sheller is built especially for its particular purpose.

Our Favorite Two-Hole Sheller can be operated by hand or by power. It has a large effective balance wheel, and is light running even when operating under full load.



With Crank, Fan, Table Feed and Belt Pulley

No. 102 Favorite

Equipped with a wire cob rake, it separates all the corn from the cobs and discharges the cobs at the end of the sheller.

Clean marketable shelled corn is assured by the strong blast fan.

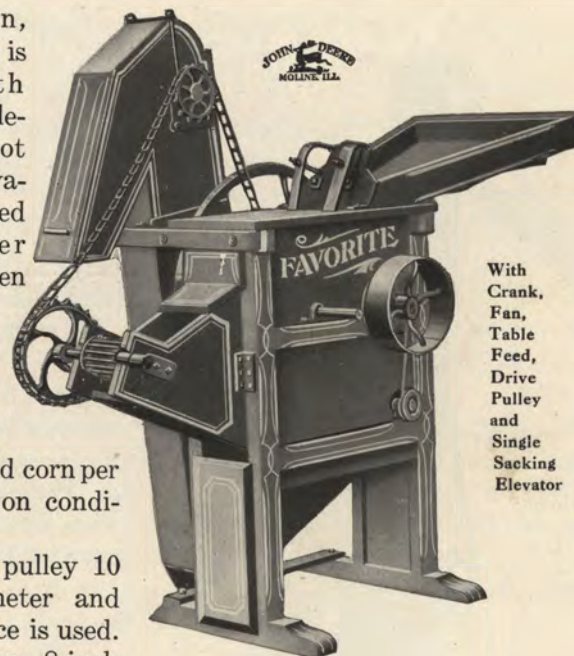
Truly a Favorite

As a hand or light power machine our "Favorite" has proven very popular, principally on account of the superior quality of work it turns out, and ease with which it is operated at all times.

Shelled corn, when machine is equipped with single sacking elevator or 9-foot wagon-box elevator, is discharged into a hopper where it is taken care of by the elevator. With one horse power it has capacity of from 25 to 35 bushels of shelled corn per hour depending on condition of corn.

Ordinarily a pulley 10 inches in diameter and with a 3-inch face is used. However, pulleys 8-inch or 15 inch will be furnished if specified. Speed of the balance wheel shaft should be 350 to 400 revolutions per minute and of the straight runner shaft 80 to 100 revolutions per minute.

Sheller may be furnished with or without feed table, band wheel, sacking elevator or wagon-box elevator.



With Crank, Fan, Table Feed, Drive Pulley and Single Sacking Elevator

No. 137 Favorite

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Pearl and Favorite Shellers with Horse Powers

OWING to simplicity and compactness, the Favorite Sheller with horse power illustrated herewith, makes a convenient and inexpensive outfit that every farmer raising corn and stock, should not be without.

Handy

It can be quickly converted into a hand sheller by removing detachable coupling from the crank shaft and putting on the crank.

Pearl Shellers described on page 4 can be operated by horse powers the same as the Favorite Sheller. The illustration herewith shows a No. 6½ One-Horse Power.

Hercules Horse Powers

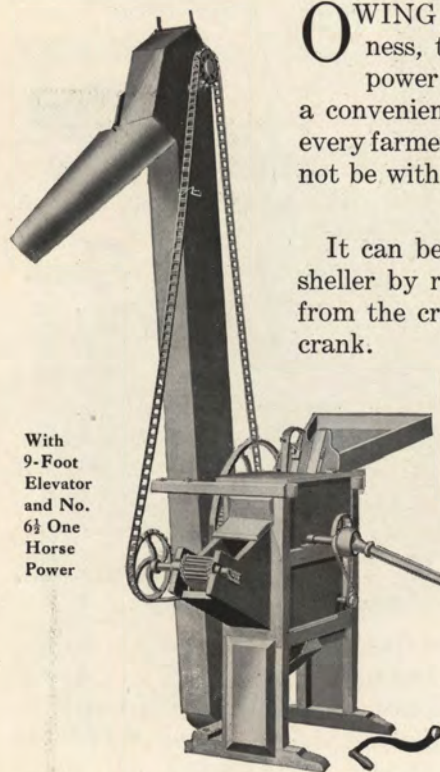
Two-Horse Hercules Power can also be furnished with the shellers.

This larger horse power is very often desired, as it can also be used extensively to operate Marseilles Portable Elevators or other machinery.

The No. 6½ One-Horse Power is described on page 51; Two-Horse Hercules Power as No. 255 on page 52.

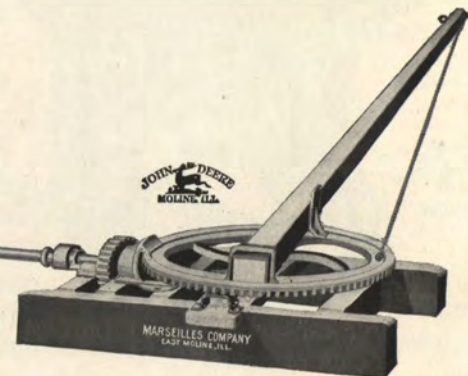
With Small Engine Power

As noted with each sheller described so far, our small power shellers are equipped with belt pulleys so that they can be operated by light engines either with direct belt drive or by an overhead shaft.



With
9-Foot
Elevator
and No.
6½ One
Horse
Power

No. 144 Favorite Sheller



JOHN A. DEERE
EAST MOLINE, ILL.

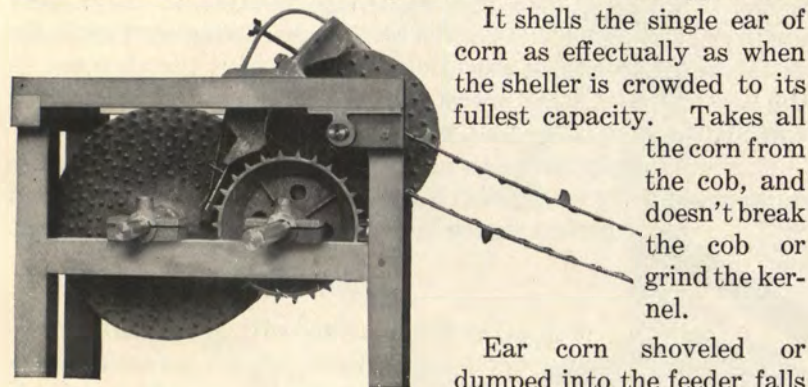
MARSEILLES COMPANY
EAST MOLINE, ILL.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Chief, Leader and Cyclone Junior Corn Shellers

General Description of Construction

THE construction of the Chief, Leader and Cyclone Junior Shellers shown on the following pages known as our Cyclone Force Feed is very simple. It approaches the principle of shelling corn by hand as near as possible by mechanical appliances.



Shelling Parts

It shells the single ear of corn as effectually as when the sheller is crowded to its fullest capacity. Takes all the corn from the cob, and doesn't break the cob or grind the kernel.

Ear corn shoveled or dumped into the feeder falls upon the force feed chains which are fitted at intervals

with projections. These projections carry the ears up to and between the picker or feed wheels which unite with the feed chain in forcing the ears into the throat of the sheller.

There they are forced forward and down between the straight runner, the bevel runner, the spring straps and rag irons. As the ears pass through the triangle opening formed by these parts, they are constantly forced forward and turned until all of the

corn is stripped from the cob. In the process of shelling, the rag iron retards the forward movement of the ear, and in doing so the angle of the ribbed under surface determines the number of revolutions an ear shall make in its passage through the shelling wheels.

The straight runner causes the ear to revolve, which makes clogging impossible. The bevel runner strips all the corn from the cob and forces the ear forward through the sheller.

A strong blast fan blows the chaff and dirt out of the shelled corn as it drops from the shelling wheels. Cobs are separated by a mechanical separating device and discharged into the cob stacker.

There are only three main shafts, three feeding and three shelling wheels in the entire feeding and shelling mechanism. These wheels are so designed and their relative position so arranged that the force feed is positive and certain. The quality of the shelling is as near perfect as has yet been accomplished.

This is the simplest force feed ever put on the corn sheller and is a "force feed" in fact, as well as in name.

These machines are designed to meet the needs of those who raise large quantities of corn for market, and desire to be equipped with their own machinery so as to be independent of job shellers, and at the same time furnish employment for their men, when they would otherwise be idle. Or in sections where but a limited quantity of corn is raised, these shellers can be used to good advantage and profit as job shellers.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Chief Two-Hole, Self-Feed Corn Sheller

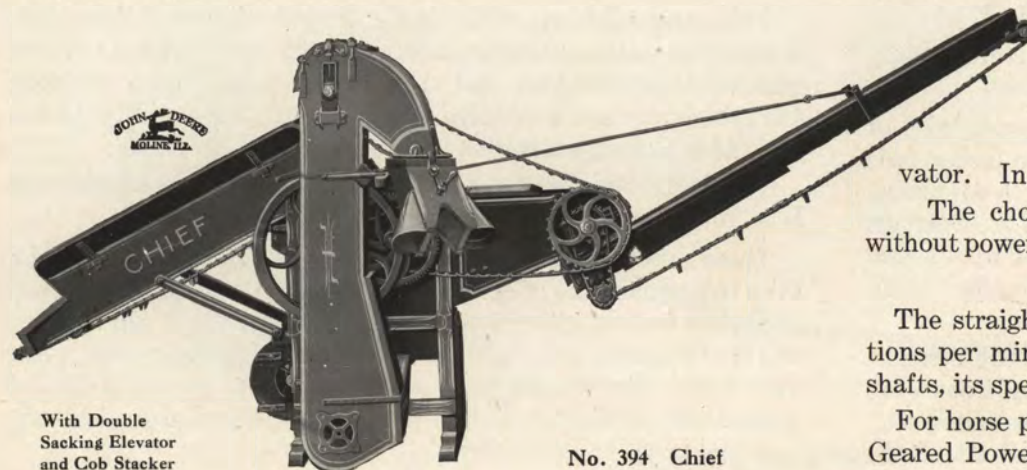
Capacity

ILLUSTRATED herewith is our smallest self-feeding corn sheller. This sheller is especially designed for the farmer who wants to do his own shelling.

It has a capacity of from 40 to 60 bushels per hour when used with a Two-Horse Power, or an engine of similar strength.

High Quality

In the selection of a sheller, the grade of the machine and the quality of the work it will do are the primary questions to be considered before one thinks of the price.



With Double
Sacking Elevator
and Cob Stacker

No. 394 Chief

Of little value is a machine that does not do good work. A machine that only half shells the corn, breaks the cobs and fails to clean out the trash and dirt from the shelled corn, is an expensive sheller to own, no matter how low the first cost.

From the smallest Marseilles Hand Corn Sheller to the largest spring or cylinder corn shellers, every machine is the highest quality and capable of doing the best work, leaving corn and cobs in the best marketable condition. The Chief is the cheapest in the long run, as it is the lowest in price that is possible and still be consistent with quality that will give service.

It is built amply strong to take care of its heaviest work, and as far as the shelling mechanism is concerned, is just as complete and perfect as the larger shellers hereinafter described.

Equipment

Can be furnished either with or without a nine-foot wagon-box elevator or double-sacking elevator. In case cob stacker is not wanted, it can also be left off.

The choice is given of belt or geared machine, with or without power.

Speed

The straight runner shaft should be driven about 155 revolutions per minute. When power is applied to the bevel runner shafts, its speed should be 595 revolutions per minute.

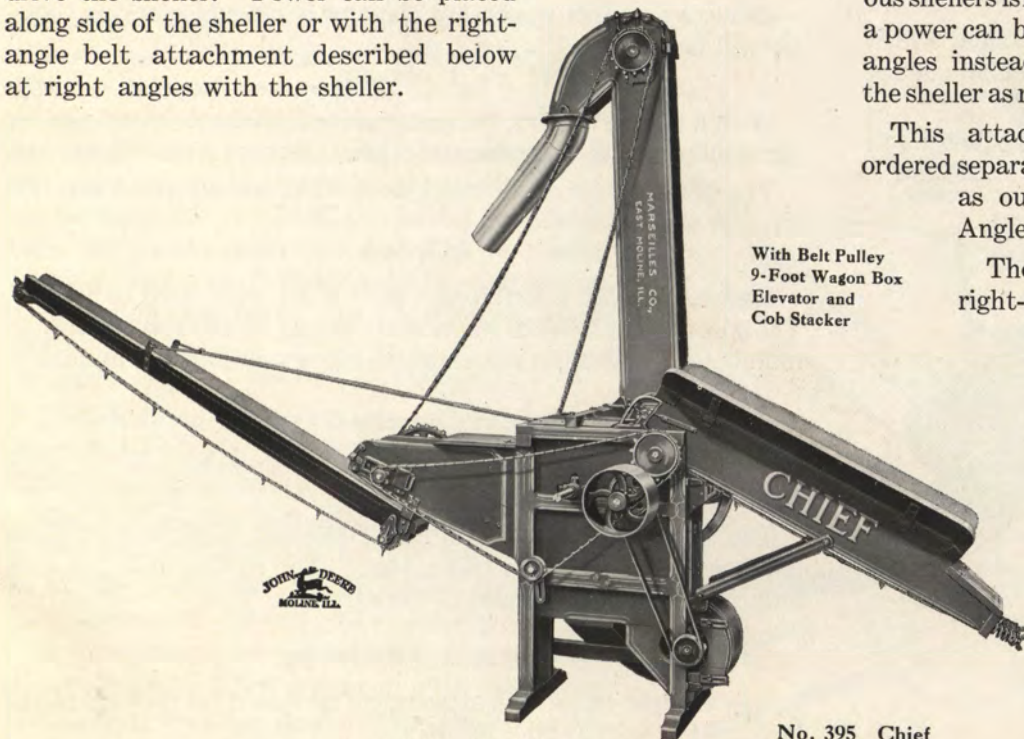
For horse power we recommend our No. 255 Two-Horse Triple-Geared Power, geared to 56-speed to one round of the horse.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Chief Two-Hole Self-Feed Corn Sheller—Continued

THIS sheller is small and easy to move from one place to another.

There will be little difficulty in placing power so that it will drive the sheller. Power can be placed along side of the sheller or with the right-angle belt attachment described below at right angles with the sheller.



With Belt Pulley
9-Foot Wagon Box
Elevator and
Cob Stacker

No. 395 Chief

Right-Angle Belt Attachment

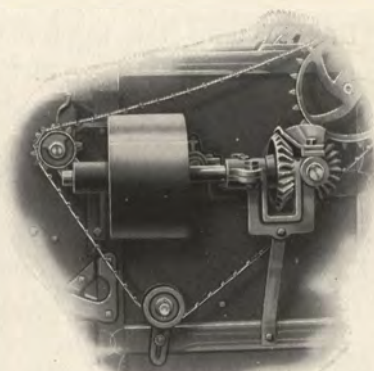
When especially ordered, belt attachment for these various shellers is furnished, whereby a power can be applied at right angles instead of parallel with the sheller as regularly equipped.

This attachment must be ordered separately, and is known as our No. 761 Right-Angle Belt Attachment.

The desirability of a right-angle belt attachment is at once evident. The great convenience possible when one cannot use the parallel drive, more than justifies the expenditure for it.

Where a tree or building makes it impossible to use the parallel pulley, when one wishes to place sheller near corn crib or barn, the right-angle belt attachment enables the power to be placed so as to drive the sheller.

This saves the necessity of having to place sheller where the corn would have to be carried to it, which would require extra labor and added expense.



No. 761 Right-Angle Belt Attachment

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

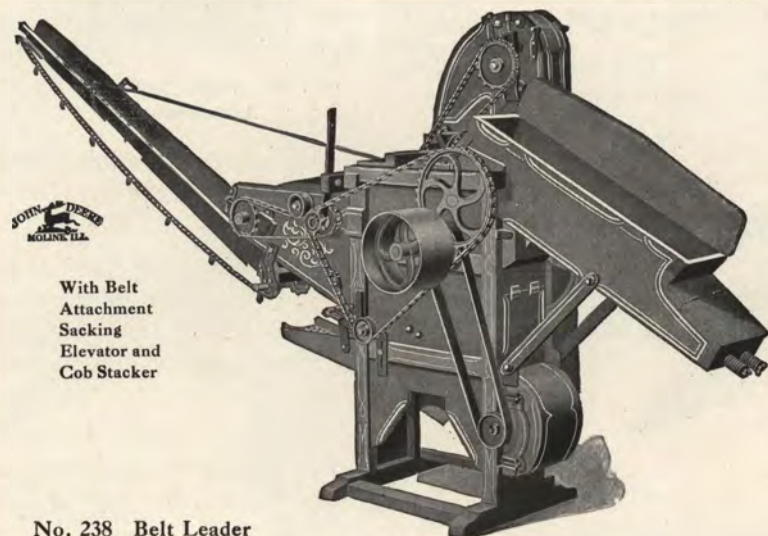
Leader Two-Hole Self-Feed Sheller

LEADER Two-Hole Self-Feed Sheller is a size larger than the Chief. It is run at a higher speed and has a greater capacity.

Good Work

This machine is equipped with a vibrating grain shoe, which enables it to thoroughly separate and clean an increased amount of corn.

Either a pulley for belt drive or a side gear for horse power will be furnished with this sheller.



JOHN DEERE
MOLINE, ILL.

With Belt
Attachment
Sacking
Elevator and
Cob Stacker

No. 238 Belt Leader

Efficient

Just as effective self-feed is put on the Leader as used on our larger shellers. Separating and cleaning are also as thoroughly done.

Either a nine-foot wagon-box elevator or a double-sacking elevator will be furnished.

Profitable

With a Leader Sheller, the farmer, stock feeder or custom miller can shell corn without assistance other than they regularly employ.

The original cost of the machine is small as compared with the amount of work it will do.

Speed

Regular No. 256 Four-Horse Power is generally used to drive it. The speed of the balance wheel shaft should be 730 revolutions per minute, or the straight runner shaft 190 revolutions per minute.

Capacity

The capacity varies from 50 to as high as 80 bushels per hour when used with four-horse power.

The amount of work that it can do depend upon the conditions under which the work is being done. The condition of the corn and the power used influences the capacity.

Special Attachment

Special right-angle belt attachment as described on page 9 can be furnished with Leader Shellers.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Leader Mounted Two-Hole Sheller

ON account of the large demand for this equipment during the recent years, the Leader is furnished mounted on a substantial truck so that it can be taken from place to place.

Durable

These trucks are strongly built, the side sills being of channel steel. Steel wheels built especially for the purpose are used. The tongue, neckyoke, single-trees, etc., are made from the best material for the purpose. In fact, the entire machine is one that cannot help but give the best satisfaction. For a portable corn sheller of small size, at a reasonable price, this machine is highly recommended.

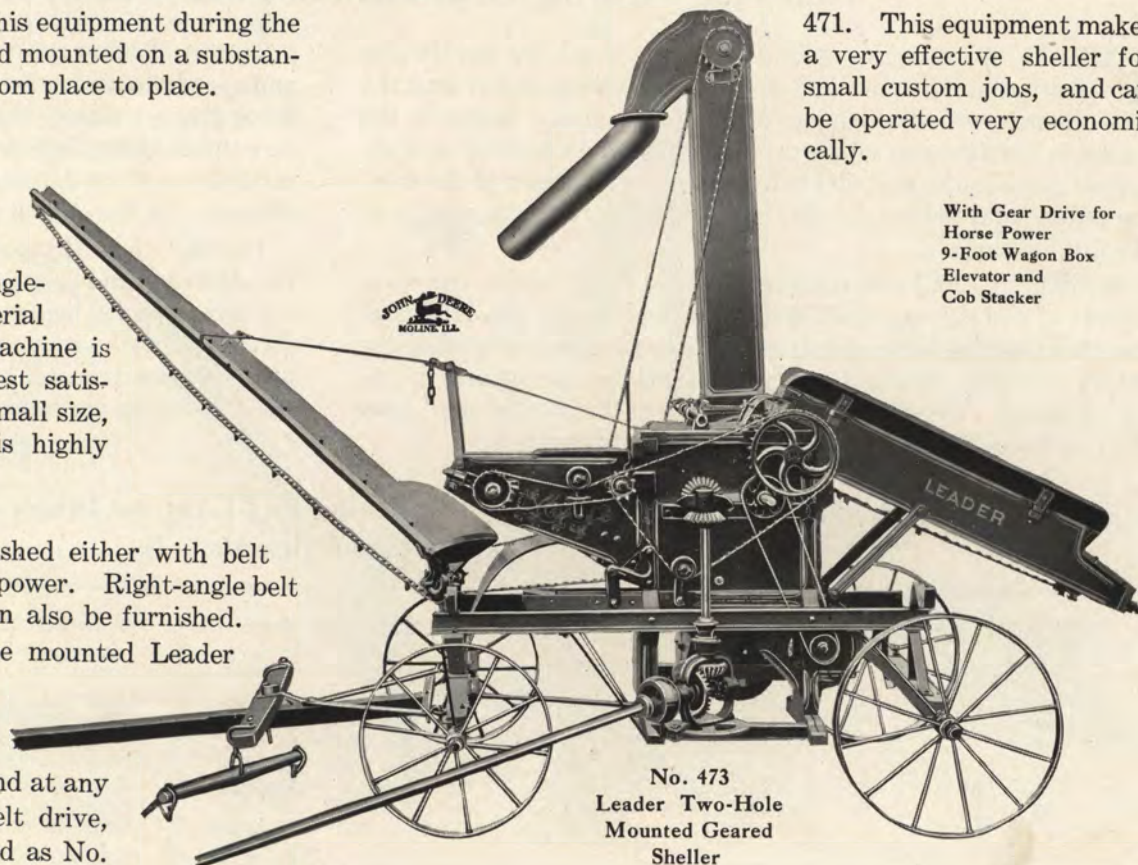
Choice of Equipment

The mounted Leader Sheller is furnished either with belt drive for engine or gear drive for horse power. Right-angle belt attachment as described on page 9 can also be furnished.

The cob stacker as furnished with the mounted Leader Sheller has the swinging feature and is twelve feet long. This makes a very convenient feature, as it allows cobs to be stacked well out of the way and at any desired place. When equipped with belt drive, the Leader Mounted Sheller is designated as No.

471. This equipment makes a very effective sheller for small custom jobs, and can be operated very economically.

With Gear Drive for
Horse Power
9-Foot Wagon Box
Elevator and
Cob Stacker



No. 473
Leader Two-Hole
Mounted Geared
Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Rules for Figuring Diameters of Pulleys or Speed of Shafts

FIRST. To find the revolutions per minute for the driving shaft, the diameter and speed of the driven pulley and the diameter of the driving pulley being given, multiply the inches in the diameter of the driven pulley by its number of revolutions per minute, and divide by the inches diameter of the driving pulley, and the result will show the revolutions per minute of the driving shaft.

Second. To find the diameter of the driving pulley, the revolutions of the driving shaft and the diameter and revolutions of the driven pulley being given, multiply the inches diameter of the driven pulley by its number of revolutions per minute and divide by the number of revolutions per minute of the driving shaft, and the result will be the inches diameter of the driving pulley.

Third. To find the diameter of the driven pulley, the diameter and speed of the driving pulley and the speed of the driven shaft being given, multiply the inches diameter of the driving pulley by its number of revolutions per minute, and divide by the number of revolutions of the driven shaft, and the result will show the inches diameter for the driven pulley.

Fourth. To find the revolutions per minute of the driven shaft, the diameter and speed of the driving pulley and the diameter of the driven pulley being given, multiply the inches diameter of the driving pulley by its number of revolutions per minute and divide by the inches diameter of the driven pulley and the result will be the revolutions per minute of the driven shaft.

Table of Interchangeable Gears to Adapt the Leader and Cyclone Junior Geared Shellers to Powers of Various Speeds

Speed of Power to Once Around of Horses	On Straight Runner Shaft	On Top of Upright Shaft	On Bottom of Upright Shaft	On Circle Shaft
24 to 26	Gear No. 2361—21 cogs	Gear No. 2360—32 cogs	Gear No. 3164—30 cogs	Gear No. 3165—33 cogs
29 to 31	Gear No. 2361—21 cogs	Gear No. 2360—32 cogs	Gear No. 2361—21 cogs	Gear No. 2360—32 cogs
35	Gear No. 2361—21 cogs	Gear No. 2360—32 cogs	Gear No. 2359—25 cogs	Gear No. 2358—30 cogs
44	Gear No. 2476—25 cogs	Gear No. 2357—25 cogs	Gear No. 2361—21 cogs	Gear No. 2360—32 cogs
50 to 56	Gear No. 2476—25 cogs	Gear No. 2357—25 cogs	Gear No. 2359—25 cogs	Gear No. 2358—30 cogs
69 to 76	Gear No. 2476—25 cogs	Gear No. 2357—25 cogs	Gear No. 2357—25 cogs	Gear No. 2357—25 cogs
90 to 106	Gear No. 2476—25 cogs	Gear No. 2357—25 cogs	Gear No. 2358—30 cogs	Gear No. 2359—25 cogs

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Cyclone Junior Two-Hole Down Geared Corn Sheller

IN our line of Force-Feed Shellers, the Two-Hole Cyclone Junior machine is third in size and capacity. The shelling wheels are larger, and cob rake and vibrating grain shoe are longer than on the Chief and Leader. It is constructed throughout heavier than Leader, and, therefore, is of larger capacity.

Capacity

When operated with a four-horse power, the Cyclone Junior Two-Hole Sheller has a capacity of from 70 to 110 bushels per hour.

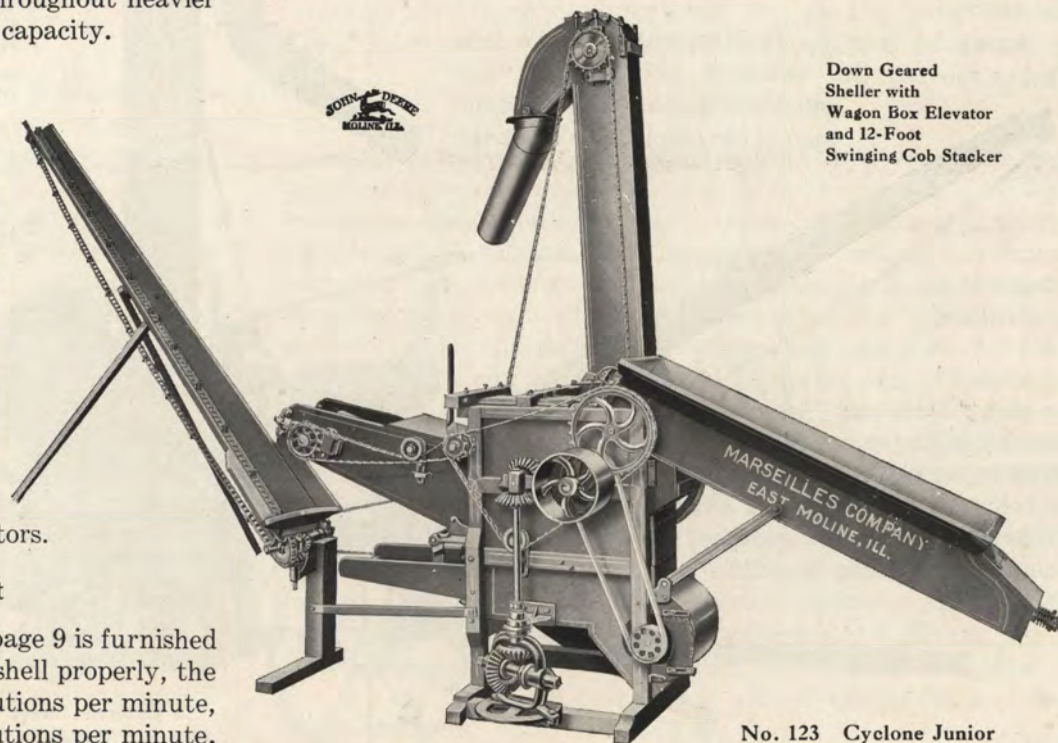
It is furnished either with or without horse power. It may be geared to any make of horse power or gasoline engine.

When ordered as a geared sheller without power, the size and speed of the power with which it is to be used should be stated.

Geared shellers are furnished with belt pulleys so that they can be used as belt shellers when desired; are equipped with either double sacking elevators or nine-foot wagon box elevators.

Right-Angle Belt Attachment

Right-angle belt attachment as described on page 9 is furnished with Cyclone Junior Shellers when wanted. To shell properly, the speed of the balance shaft should be 730 revolutions per minute, and that of the straight runner shaft 190 revolutions per minute.



Down Geared
Sheller with
Wagon Box Elevator
and 12-Foot
Swinging Cob Stacker

No. 123 Cyclone Junior

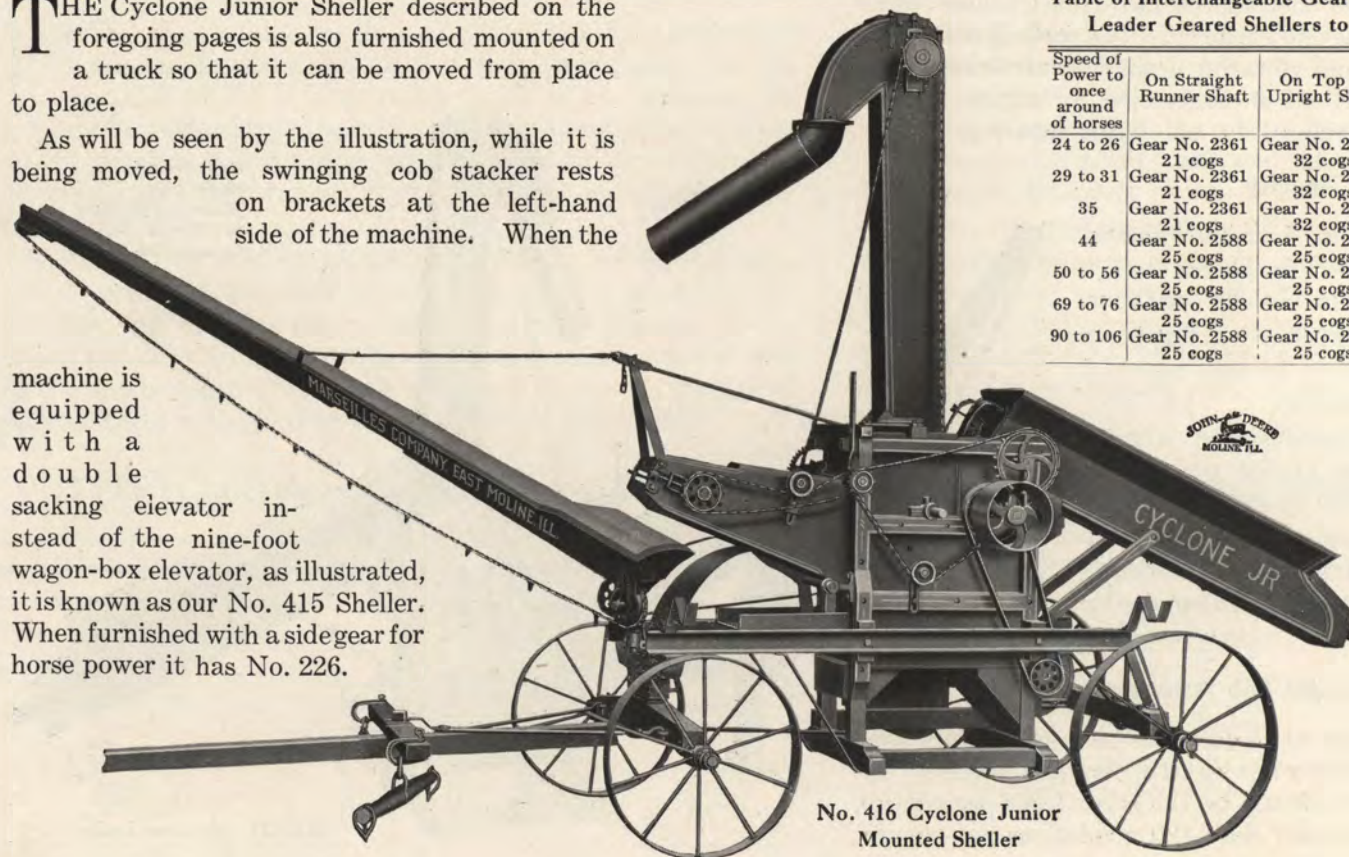
MARSEILLES COMPANY. EAST MOLINE, ILLINOIS.

Cyclone Junior Mounted Belt Corn Sheller

THE Cyclone Junior Sheller described on the foregoing pages is also furnished mounted on a truck so that it can be moved from place to place.

As will be seen by the illustration, while it is being moved, the swinging cob stacker rests on brackets at the left-hand side of the machine. When the

machine is equipped with a double sacking elevator instead of the nine-foot wagon-box elevator, as illustrated, it is known as our No. 415 Sheller. When furnished with a side gear for horse power it has No. 226.



No. 416 Cyclone Junior Mounted Sheller

Table of Interchangeable Gears to Adapt the Cyclone Jr. and Leader Geared Shellers to Powers of Various Speeds

Speed of Power to once around of horses	On Straight Runner Shaft	On Top of Upright Shaft	On Bottom of Upright Shaft	On Circle Shaft
24 to 26	Gear No. 2361 21 cogs	Gear No. 2360 32 cogs	Gear No. 3164 20 cogs	Gear No. 3165 33 cogs
29 to 31	Gear No. 2361 21 cogs	Gear No. 2360 32 cogs	Gear No. 2361 21 cogs	Gear No. 2360 32 cogs
35	Gear No. 2361 21 cogs	Gear No. 2360 32 cogs	Gear No. 2359 25 cogs	Gear No. 2358 30 cogs
44	Gear No. 2588 25 cogs	Gear No. 2357 25 cogs	Gear No. 2361 21 cogs	Gear No. 2360 32 cogs
50 to 56	Gear No. 2588 25 cogs	Gear No. 2357 25 cogs	Gear No. 2359 25 cogs	Gear No. 2358 30 cogs
69 to 76	Gear No. 2588 25 cogs	Gear No. 2357 25 cogs	Gear No. 2357 25 cogs	Gear No. 2357 25 cogs
90 to 106	Gear No. 2588 25 cogs	Gear No. 2357 25 cogs	Gear No. 2358 30 cogs	Gear No. 2359 25 cogs

The above table of interchangeable gears is not only applicable to Cyclone Jr. Corn Sheller but also when our Leader Shellers are used with powers. So if a party already has a power, the table at once tells you just what gear is necessary to make it possible to use the power on the sheller they wish to buy.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Marseilles-Adams Combination Cyclone and Beater Force-Feed Power Corn Shellers

SHELLERS described on the following pages are equipped with the Marseilles-Adams Combination Cyclone and Beater Force-Feed. It is more simple in construction than any other spring sheller. It has fewer parts, and will, therefore, require less power to operate and endure longer service. It is effective and rapid.

The stationary feeder projects out and beyond the back wheels so that it can be placed close to an opening in crib or extended inside, and is readily shoveled into from the ground or floor. It remains permanent in position at all times.

These regular feeders are provided with separate compression springs for each chain, so that the slack can all be taken up and yet permit of elasticity of the chains, thus avoiding breakages and undue wear. When desired, extra extension feeders can be furnished.

The Universal Extension Feeder is manufactured under patents and is especially arranged and attached so that it can be used at any angle from the stationary feeder inside of the radius of two-thirds of a circle. The lower end can be placed under the sill of the crib, or it can be raised and carried inside of the crib itself, and is especially convenient in places where it is difficult to set the machine. Additional extensions can be furnished. The straight-way extensions are for use in carrying the corn to the machine directly parallel with it, and can be used either inside or outside of the crib. These extensions are all extras not belonging regularly with the machine and are furnished on special orders at their respective prices.

The Vibrating Separating Machines

This mode of separating is the best being used on all large shellers and threshers. All Combination Cyclone and Beater Force-Feed machines have these vibrating shoes, for cob and grain separation. The shoes are very simple, with few parts to get out of order.

Grain Screw and Elevator

A positive screw conveyor is provided in the bottom of the hopper of each machine, which forces the shelled corn into the elevator and can be relied upon absolutely. It does away with any possibility of corn clogging in hopper. From this screw feed shelled corn is carried to boot of elevator. The tilting feature of a shelled corn elevator (allowing elevator to be tilted back when not in use) is original and a most valuable feature where machines are put away under cover or are used for inside work, and for storing away. The swinging spout, furnished with the elevator admits of discharging the shelled corn at any angle desired from the sheller. Our Combination Cyclone and Beater Force-Feed machines are furnished with drag, or plate elevators in place of the old style cup elevator.

A 14-foot swinging cob stacker having a bottom 5½ inches wide inside is used. Over this runs a single No. 45 chain with a No. 45 scraper. These stackers have a large cob capacity and take the cobs away from the end of the cob shoe perfectly. The stacker is light and convenient to handle. When not in use, it is lifted off of the jack and carried on brackets at side of sheller on the 4 and 6-hole machines.

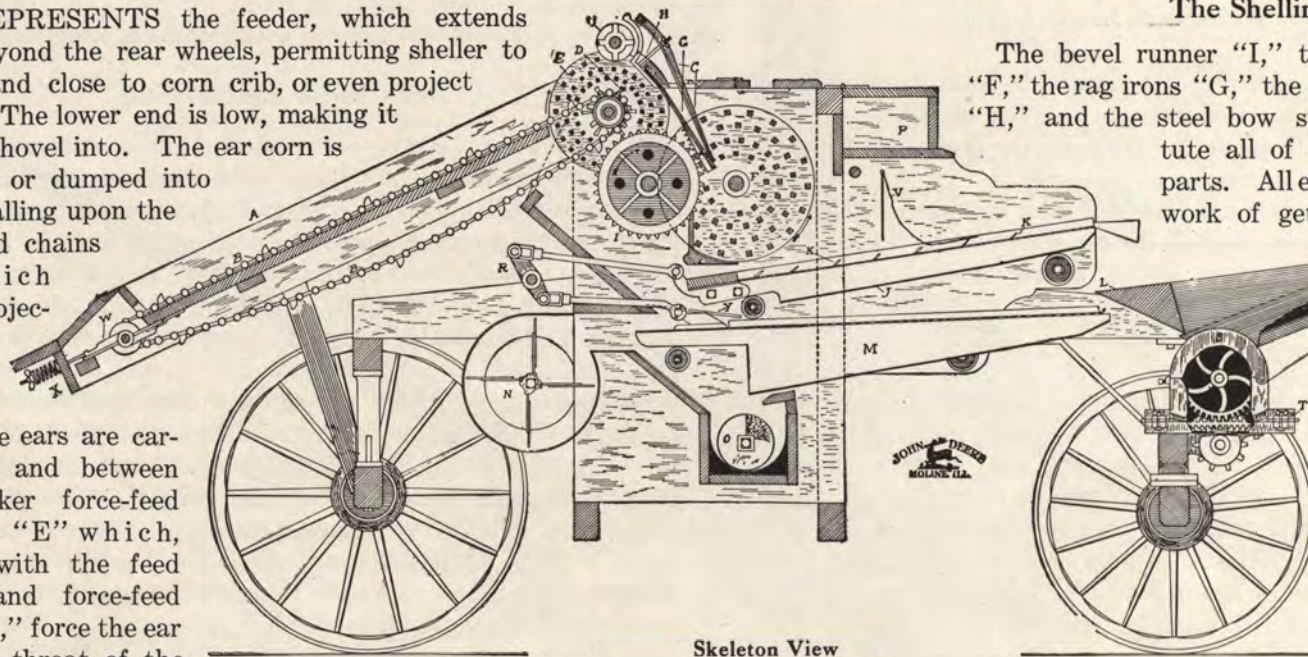
MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Skeleton View and Explanation of Marseilles-Adams Combination Cyclone and Beater Force-Feed Sheller

Explanation of Combination Cyclone and Beater Force-Feed Corn Sheller

on sprocket wheels and cannot slip, no matter how heavily loaded, nor are they affected by snow on the corn.

"A" REPRESENTS the feeder, which extends beyond the rear wheels, permitting sheller to stand close to corn crib, or even project into it. The lower end is low, making it easy to shovel into. The ear corn is shoveled or dumped into feeder, falling upon the force-feed chains **"B"** which have projections at intervals by which the ears are carried up and between the picker force-feed wheels **"E"** which, uniting with the feed chains and force-feed shaft **"U,"** force the ear into the throat of the sheller and under the control of the special shelling parts above described. This process is continuous. The feed chains are run



Skeleton View

and in so doing, by the angle of ribbed under-surface, determines the number of complete revolutions the ear shall make in its

The Shelling

The bevel runner **"I,"** the straight runner **"F,"** the rag irons **"G,"** the spout-front casting **"H,"** and the steel bow spring **"C"** constitute all of the actual shelling parts. All else covers the detail work of getting the corn to sheller, work of separation after shelling has been accomplished and final disposition of the shelled corn, cobs, etc. The rag iron in the process of shelling, retards forward movement of the ear,

MARSEILLES COMPANY. EAST MOLINE, ILLINOIS.

passage through shelling wheels. The straight runner, in the process of shelling, causes the ear to revolve. While an ear continues to revolve, no clogging is possible in feeding throat of sheller. The bevel runner performs the work of stripping corn from cob, also of forcing ear forward through shelling parts.

The ears, when delivered into throat of sheller by the combined action of the feed chains, force-feed, or beater shaft and picker feed wheels, are forced forward and down between the straight runner "F," the bevel runner "I" and the spring straps and rag irons "G," and as the ears pass through the triangular opening formed by these parts, they are constantly forced forward and turned until all the corn is stripped from the cob.

Separation Process

Part of the shelled corn falls upon incline underneath shelling wheels, down which it slides to the cleaning riddle or grain shoe "M." The cobs, with so much of the shelled corn as may have been carried forward with them are thrown upon the vibrating cob shoe "J" which in its forward movement, rises on wedge-shaped surfaces, which cause violent agitation and make the separation most effective, the shelled corn falling on grain shoe "M" underneath while the cobs are forced forward over bevel stips "K" which prevent their retrograde movement and drive them forward until discharged to cob stacker "L."

From the cob stacker "L" the cobs are discharged fourteen feet distant from the sheller and at an angle therefrom within a radius of one-half of a circle. In the bottom of cob stacker conveyor is a grating, through which any kernels of corn remaining with the cobs are screened out, thus saving every kernel.

Blast Fan

All the shelled corn falls upon grain shoe "M" where it is kept agitated and is at the same time subjected to a strong blast from the fan "N." Thus, the corn is thoroughly cleaned of all tips of cobs, husks and silks. The corn falls to discharge spout "O," whence it is forced to the boot of shelled corn elevator by a screw conveyor which cannot be clogged whether the corn is damp or dry.

The fan "N" is large and powerful, and perfectly under the control of the operator.

The Vibrating Separating Shoes

This is one of the best means of separating, and is used on all threshers. All Marseilles Combination Cyclone and Beater Force-Feed machines are equipped with this system of separation for both cob and grain separation. The vibrating shoes are the very simplest and of few parts, so are not liable to get out of order.

Trucks and Mountings

All mounted machines are regularly furnished with steel wheels. On spring shellers front wheels are 30 inches in diameter and rear wheels 34 inches. Two-hole shellers are regularly furnished with wheels with 1 $\frac{3}{4}$ -inch tire; four and six-hole machines with 3-inch tire. On horse powers both front and rear wheels are 30 inches in diameter.

The sills or mounting pieces are very heavy and strong enough to support the full weight of each machine on country roads, and the machine is so arranged that it carries level and is high enough from the ground so as to avoid any obstructions.

MARSEILLES COMPANY. EAST MOLINE, ILLINOIS.

Marseilles Two-Hole Cyclone Senior Belt Sheller

BUILT especially for hard work, the frame, mountings, shafts, etc., are the same size and strength as those used in the four and six-hole shellers. This is the strongest two-hole sheller on the market.

Capacity

When used with six-horse power, it has a capacity of eighty to one hundred and forty bushels per hour. The balance wheel shaft should be run at

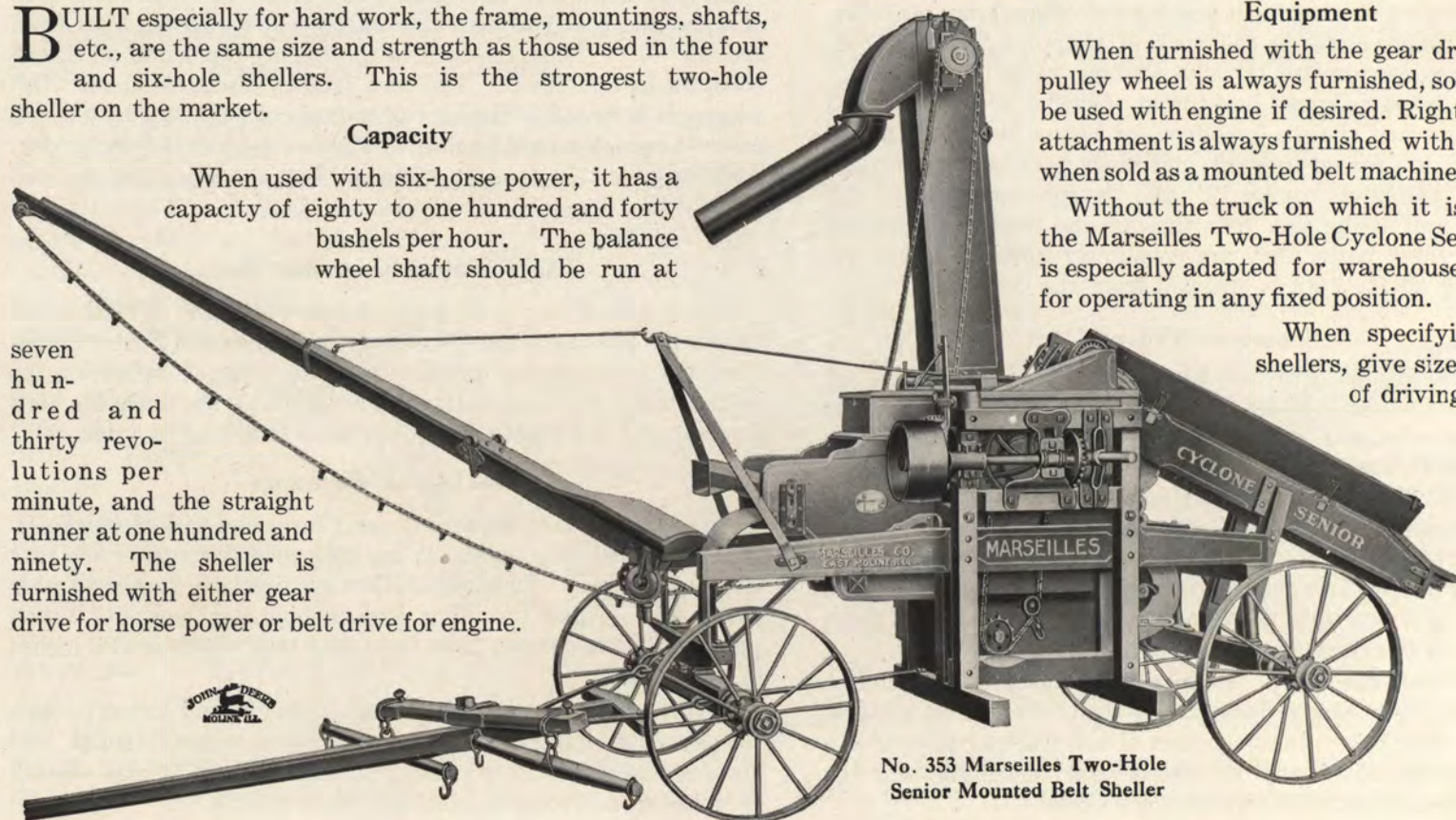
seven hundred and thirty revolutions per minute, and the straight runner at one hundred and ninety. The sheller is furnished with either gear drive for horse power or belt drive for engine.

Equipment

When furnished with the gear drive, a belt-pulley wheel is always furnished, so that it can be used with engine if desired. Right-angle belt attachment is always furnished with this sheller when sold as a mounted belt machine.

Without the truck on which it is mounted, the Marseilles Two-Hole Cyclone Senior Sheller is especially adapted for warehouses, mills, or for operating in any fixed position.

When specifying for belt shellers, give size and speed of driving pulley.



With
Right-
Angle
Belt
Attachment

No. 353 Marseilles Two-Hole Senior Mounted Belt Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Marseilles Two-Hole Cyclone Senior Belt Sheller

Two-Hole Cyclone Senior Belt Sheller

ORDINARILY, the Marseilles Two-Hole Cyclone Senior is equipped with twelve-foot "V"-shaped stacker. This is the only difference between this machine and larger shellers described on the following pages.

Compact

As illustrated on this page, the machine can be made very compact for moving, and requires very little space when stored.

It is not necessary, however, to tilt the elevator back in this manner when moving machine on the road. In fact, it should be left upright. It will carry better in that position on account of being securely bolted.

Steel wheels, made especially for the purpose, are furnished on the mounted machines.

The down sheller is entirely the same as the mounted sheller, with the exception of trucks, mountings and right-angle belt attachment which are left off.

Construction

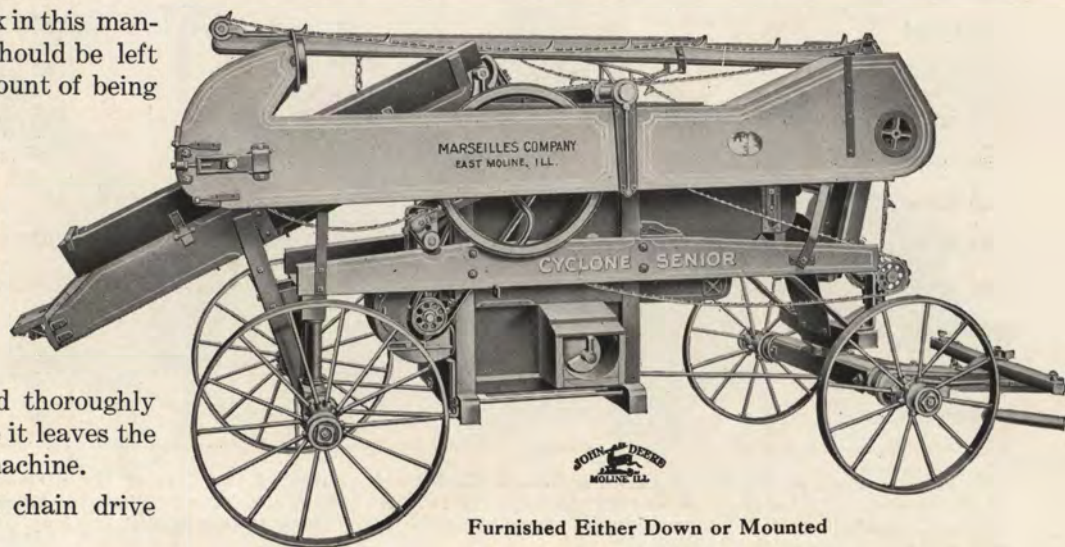
Every sheller is put together in all its parts and thoroughly tested to be certain of its perfect construction before it leaves the factory. This insures the buyer a perfect running machine.

These shellers have heavier shafting, gearing and chain drive than you will find on any other two-hole sheller.

Only the best of material is used. Only skilled workmen are employed in the factory. This guarantees the best quality and the greatest durability.

Capacity

The capacity of our machines is based on American corn. The Two-Hole Cyclone Senior has a capacity of from 80 to 140 bushels. This machine is built especially for hard service, and is particularly adapted for job work or small jobs where corn raising is limited.



Furnished Either Down or Mounted

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Table of Interchangeable Gears to Adapt the Marseilles-Adams Shellers to Different Powers When Miter Gears No. 3366 Are Used at Top of Upright Shaft

Speed of Power, viz: Number of Revolutions of Rod to once around of Horses	Horses Travel the Circle per Minute	Length of Lever from Center of Master-wheel to Draw Hook at out end of Lever	Revolutions of Tumbling Rod per Minute	Gears to be Used
33 Speed	2½ times	11½ ft.	82½	No. 707, 40-cog Gear on Circle Shaft. No. 708, 17-cog Pinion on bottom Upright Shaft.
35 Speed	2½ times	11½ ft.	87½	No. 560, 36-cog Gear on Circle Shaft. No. 561, 17-cog Pinion on bottom Upright Shaft.
44 Speed	2½ times	11½ ft.	110	No. 3204, 35-cog Gear on Circle Shaft. No. 3205, 20-cog Gear on bottom Upright Shaft.
56 Speed	2½ times	11½ ft.	140	No. 643, 35-cog Gear on Circle Shaft. No. 642, 26-cog Gear on bottom Upright Shaft.
69 Speed	2½ times	11½ ft.	172½	No. 3206, 32-cog Gear on Circle Shaft. No. 3207, 29-cog Gear on bottom Upright Shaft.
69 Speed	2¼ times	12 ft. 8 in. to 13 ft.	155	No. 1553, 32-cog Gear on Circle Shaft. No. 1554, 26-cog Pinion on bottom Upright Shaft.
72 Speed	2¼ times	13 ft. to 14 ft.	162	No. 1553, 32-cog Gear on Circle Shaft. No. 1554, 26-cog Pinion on bottom Upright Shaft.
75 Speed	2¼ times	13 ft. to 14 ft.	169	No. 2484, 32-cog Gear on Circle Shaft. No. 2483, 28-cog Gear on bottom Upright Shaft.
80 Speed	2¼ times	13 ft. to 14 ft.	180	No. 206, 30-cog Gear on Circle Shaft. No. 205, 28-cog Gear on bottom Upright Shaft.
85 Speed	2¼ times	13 ft. to 14 ft.	191	No. 639, 26-cog Miter Gear on Circle Shaft. No. 639, 26-cog Miter Gear on bot'm Upr't Sh'ft.
90 Speed	2¼ times	13 ft. to 14 ft.	202	No. 205, 28-cog Gear on Circle Shaft. No. 206, 30-cog Gear on bottom Upright Shaft.
96 Speed	2¼ times	13 ft. to 14 ft.	216	No. 2483, 28-cog Gear on Circle Shaft. No. 2484, 32-cog Gear on bottom Upright Shaft.
100 Speed	2¼ times	13 ft. to 14 ft.	225	No. 1555, 27-cog Gear on Circle Shaft. No. 1556, 32-cog Gear on bottom Upright Shaft.
106 Speed	2¼ times	13 ft. to 14 ft.	238	No. 1554, 26-cog Gear on Circle Shaft. No. 1553, 32-cog Gear on bottom Upright Shaft.
110 Speed	2¼ times	13 ft. to 14 ft.	247	No. 3097, 27-cog Gear on Circle Shaft. No. 3098, 35-cog Gear on bottom Upright Shaft.

How to Reverse the Movement of a Geared Sheller.—A change of the gear on the circle shaft from one side of the upright shaft to the other will reverse the movement of the sheller. When the tumbling rod revolves over in the same direction the horses travel, the gear on the circle shaft should be on the opposite side of the upright shaft from the knuckle; when the tumbling rod revolves over against the way the horses travel, the gear on the circle shaft should be between the upright shaft and the knuckle.

MARSEILLES COMPANY. EAST MOLINE, ILLINOIS.

Mounted Belt Combination Cyclone and Beater Force-Feed Power Corn Sheller

Equipment

ON the Two-Hole Senior, four and six-hole mounted belt shellers, the right-angle belt attachment is included in the regular equipment.

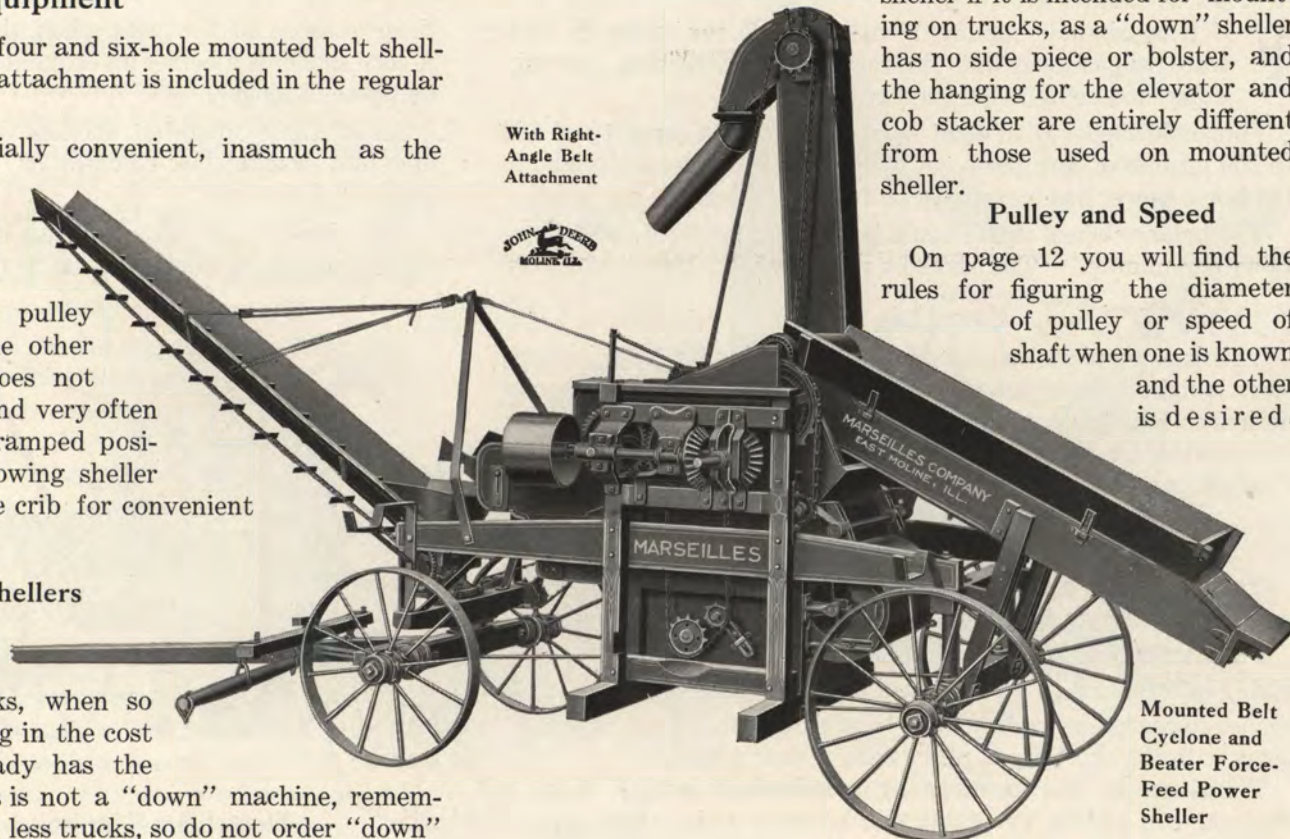
This attachment is especially convenient, inasmuch as the engine can be placed either in front or back of the sheller, or at right angles to it, as is most practical to the operator.

By transferring the belt pulley wheel from one shaft to the other this is accomplished. It does not change the speed of sheller and very often avoids setting engine in a cramped position, at the same time allowing sheller much better location at the crib for convenient shoveling into the feeder.

Unmounted Shellers

The two, four and six-hole mounted Senior Sheller can be furnished without trucks, when so desired. This makes a saving in the cost of the machine if one already has the trucks to mount it on. This is not a "down" machine, remember, but a "mounted" sheller, less trucks, so do not order "down"

With Right-
Angle Belt
Attachment



sheller if it is intended for mounting on trucks, as a "down" sheller has no side piece or bolster, and the hanging for the elevator and cob stacker are entirely different from those used on mounted sheller.

Pulley and Speed

On page 12 you will find the rules for figuring the diameter of pulley or speed of shaft when one is known and the other is desired.

Mounted Belt
Cyclone and
Beater Force-
Feed Power
Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Elevator Side of Marseilles Four or Six-Hole Mounted Combination Cyclone and Beater Force-Feed Power Sheller

FOUR or six-hole mounted shellers are the same in outward appearance and in detail of construction, the only difference being in size and capacity.

Four-hole sheller with eight-horse power has a capacity of 160 to 250 bushels of corn per hour, while six-hole sheller with eight to ten-horse power has a capacity of 200 to 350 bushels per hour.

The balance wheel shaft should be run at a speed of 730 revolutions per minute. The straight runner shaft, 190 revolutions.

Four-Hole Sheller

This is a popular size and profitable machine for farm jobbers, as it is light in weight and easily transported. Where a farmer desires to haul his corn an average distance to market as fast as it is shelled, the capacity of this machine is equal to the quantity a farmer can conveniently arrange to haul away.

Six-Hole Sheller

This sheller is in great demand by parties who make job shelling a specialty.

Purchasers owning horse power of any make by giving information as to its speed, can have the sheller so geared as to adapt it to such power. This will do away with the necessity of purchasing a new power.

Threshermen and farmers by purchasing one of these shellers, can obtain profitable employment at job shelling at

those seasons of the year when they would otherwise be idle. A corn sheller is a better investment than a threshing machine, as its season is longer.

All of these mounted shellers will be furnished either with nine-foot wagon-box elevator or double-sacking elevator, as illustrated herewith.

The nine-foot elevator can also be furnished with the double-sacking device, so that sacks can be filled inside the wagon bed.



Elevator Side of Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Four-Hole Mounted Geared Combination Cyclone and Beater Force-Feed Power Corn Sheller

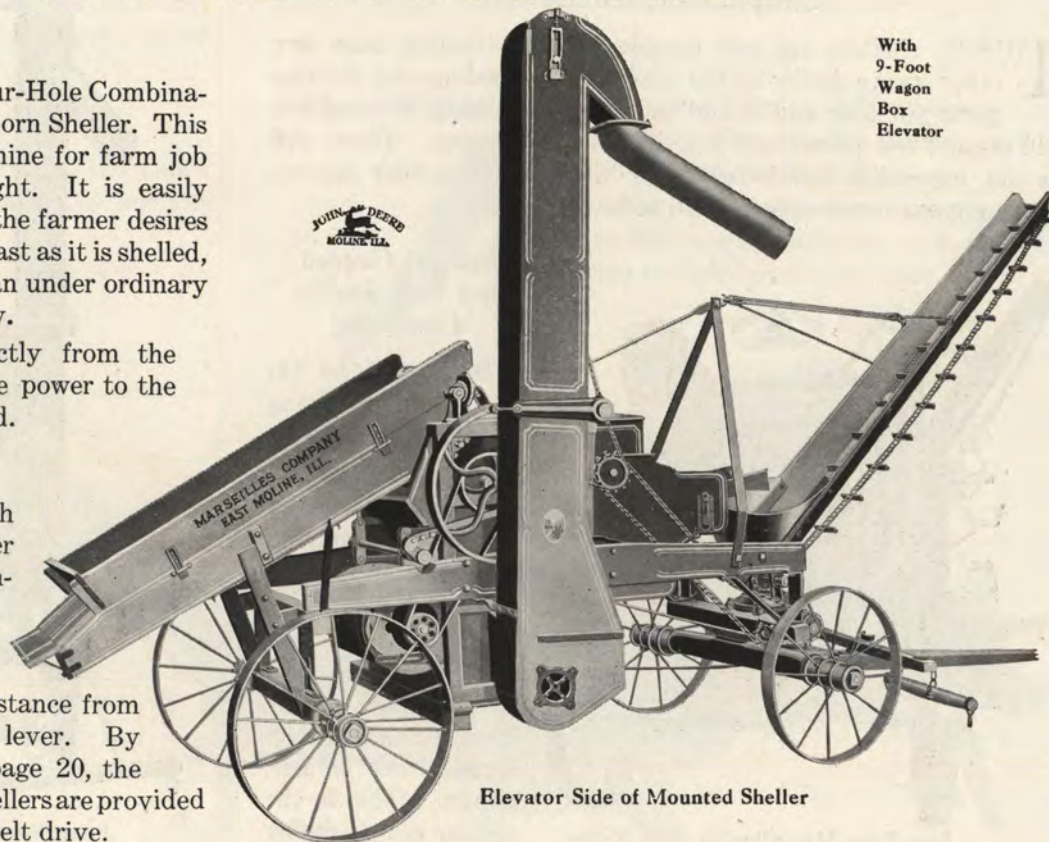
A Popular Sheller

ILLUSTRATED herewith is the Marseilles Four-Hole Combination Cyclone and Beater Force-Feed Power Corn Sheller. This sheller is a popular size for a portable machine for farm job shelling, owing to its comparatively light weight. It is easily transported from one job to another, and when the farmer desires to haul his corn an average distance to market as fast as it is shelled, the capacity is equal to the quantity a farmer can under ordinary circumstances conveniently arrange to haul away.

As the geared sheller takes the motion directly from the tumbling rod, it can only be used with a horse power to the motion of which its side-gearing has been adapted.

How to Order

In specifying for this sheller to be used with various horse powers, give the size of the power (how many horses), the maker's name, the number of revolutions the tumbling rod makes to one of the horses around the circle, and state whether the tumbling rod turns over with or against the movement of the horses; also the distance from the center of the masterwheel to draw-hook on lever. By referring to table of interchangeable gears on page 20, the various speeds will be determined. All geared shellers are provided with extended bevel runner shaft and pulley for belt drive.



With
9-Foot
Wagon
Box
Elevator

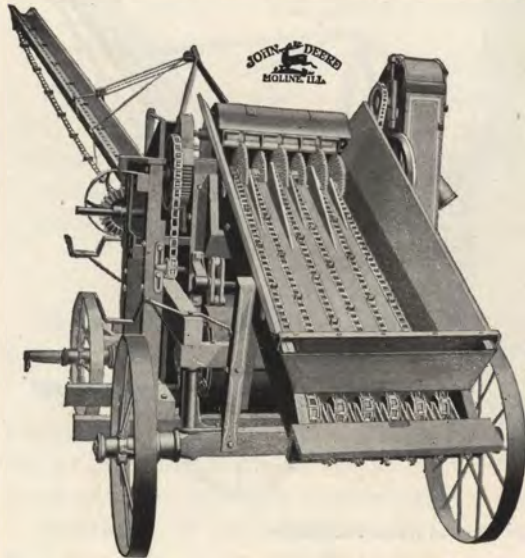
Elevator Side of Mounted Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Marseilles Combination Cyclone and Beater Force-Feed Shellers

Simple Construction

THESE shellers are less complex in construction than any other spring sheller on the market. In feeding and shelling parts but four shafts and their parts are used, so machines will require less power and less trouble to operate. There will be no expensive break-downs in the midst of a busy season, causing great inconvenience and serious delays.

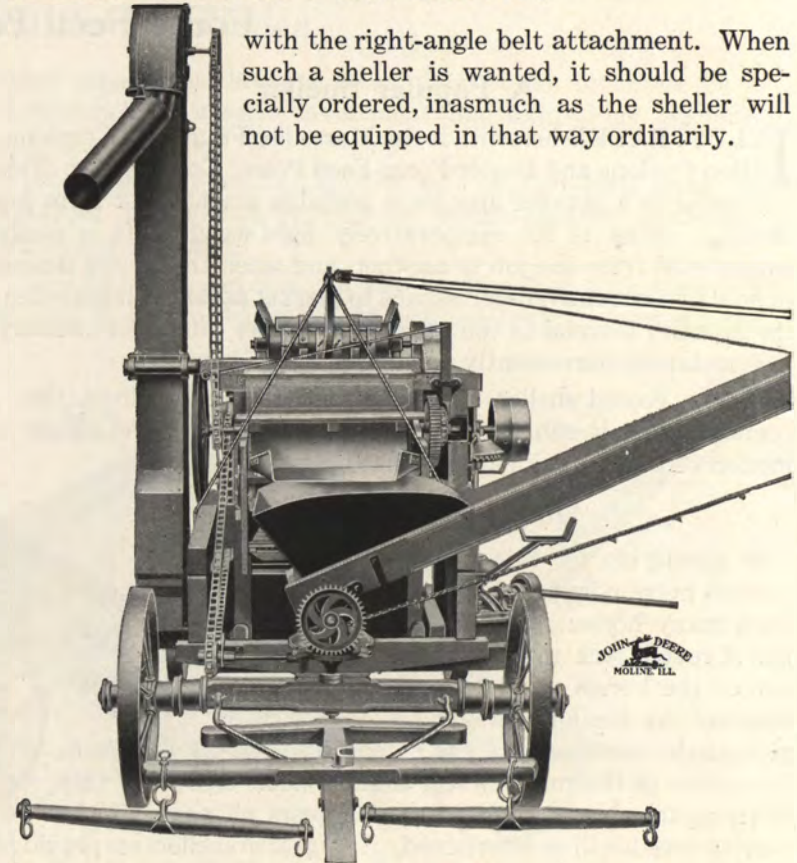


Rear View Marseilles Six-Hole Sheller

Special Geared and Belt Sheller Combined

Because of the impracticability of using portable steam engines in the extremely cold weather and the difficulty of moving various tractors over muddy country roads, we have put out a combined sheller, which can be operated either by horse power or belt power. This is the regular geared sheller

with the right-angle belt attachment. When such a sheller is wanted, it should be specially ordered, inasmuch as the sheller will not be equipped in that way ordinarily.



Front View Marseilles Four or Six-Hole Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Down Belt or Geared Combination Cyclone and Beater Force-Feed Sheller

A DOWN SHELLER is a sheller without trucks or mountings. Down shellers are used in warehouses, mills, etc., where their position is fixed permanently.

Parallel Drive

Marseilles Combination Cyclone and Beater Force-Feed Down Shellers are regularly furnished without right-angle belt attachment owing to the fact that down shellers are usually driven by line shafting.

When thus operated, the belt pulley wheel is often put on the straight runner shaft, though it may be put on the balance wheel shaft.

Diameter of the belt pulley wheel and number of revolutions per minute determine as to which shaft the belt pulley wheel should be put on.

Geared Shellers

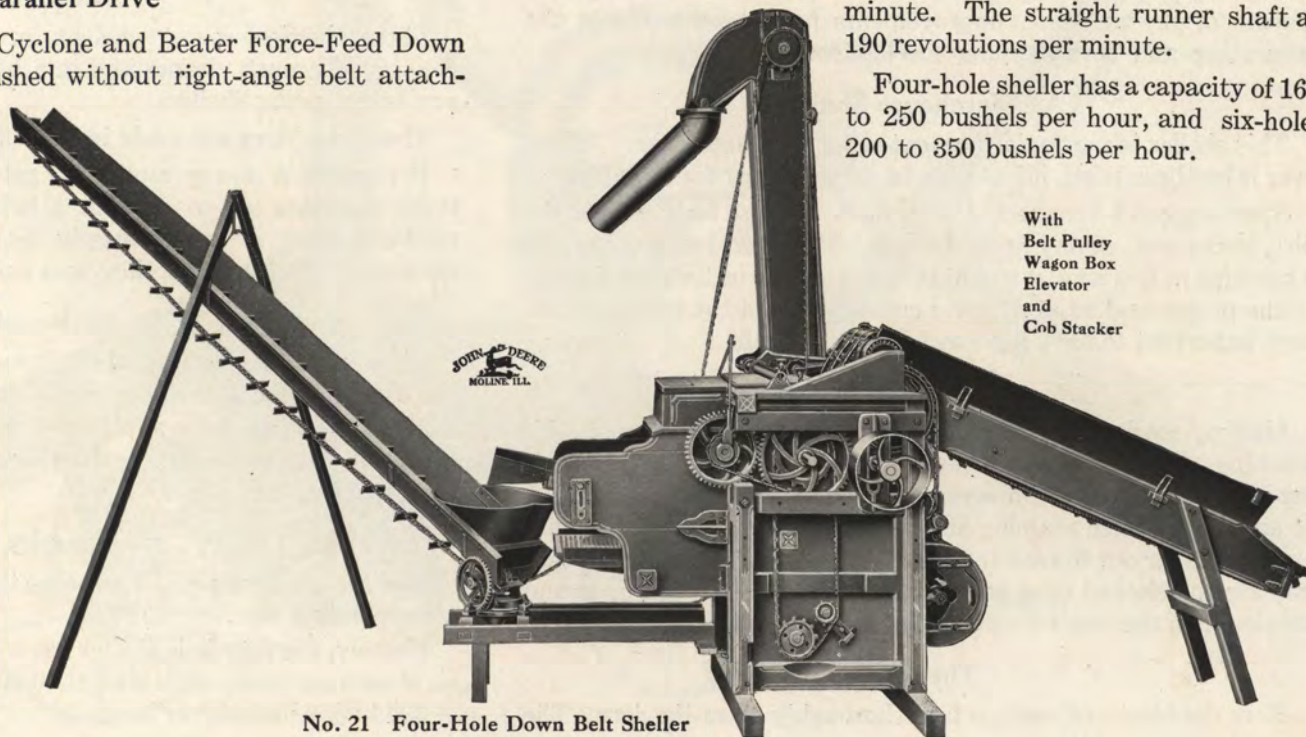
Geared down shellers can be furnished. They are the same as the belt

down shellers, except that they have a side gear for horse power.

Speed and Capacity

The balance wheel shaft should be run at 730 revolutions per minute. The straight runner shaft at 190 revolutions per minute.

Four-hole sheller has a capacity of 160 to 250 bushels per hour, and six-hole, 200 to 350 bushels per hour.



With
Belt Pulley
Wagon Box
Elevator
and
Cob Stacker

No. 21 Four-Hole Down Belt Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Marseilles Combination Cyclone and Beater Force-Feed Dustless Spring Corn Sheller

Efficient

THE Marseilles was the first dustless spring sheller ever offered the trade. It has given complete satisfaction ever since being placed on the market. In addition to the "Dustless" feature of the machine, improvements have been made in the separating and corn-cleaning mechanism.

As Warehouse Sheller

This sheller is particularly adopted for warehouse use. Wherever it has been tried, it has become very popular for such use.

Spouting can be connected with suction fan so as to deliver the dirt, husks, etc., at any point desired. However, before installing a machine in this way, it would be best to write us for directions as to the proper and most effective construction of the spout, as it is very important to have it correct in every detail.

Construction

Shelling mechanism, feeder, cob stacker and elevator of this machine are the same as our regular spring sheller. The separating and cleaning device, however, is radically different and consist of an upper coarse scalping shoe which delivers the shelled cobs and shucks far out toward the discharge end of the lower shoe, permitting the shelled corn to fall back of and free from cobs and shucks upon the rear two-thirds of the lower cleaning shoe.

The Fans

Here the blast and suction fans thoroughly clean the corn. The

suction fan and its housing are made entirely of steel. It extracts shucks, silks and dust from the cobs and corn, and discharges them any distance from the machine, ordinarily desired.

Economy

These dustless spring shellers are great savers of corn, and deliver cobs much cleaner and in a better condition for fuel than any other spring shellers.

These machines are made in four and six-hole sizes.

It requires a steady motion to get the best results; therefore, these machines are made with a belt drive only. Horse power produces more or less unsteady motion, caused by the horses slacking up their pace as they pass over the tumbling rod.

Power Required

These machines require about two-horse power more than for the corresponding size of our regular spring sheller.

This is because of the addition of the "Dustless" feature. However, they require less power than a cylinder sheller of corresponding capacity.

Capacity

The capacity ranges the same as the regular spring shellers of corresponding size.

Namely, the four-hole sheller has a capacity of 160 to 250 bushels of corn per hour, while six-hole sheller has an increased capacity of 200 to 350 bushels per hour.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Marseilles Combination Cyclone and Beater Force-Feed Dustless Mounted Corn Sheller

Strong
Blast Fan
Thoroughly
Cleans Corn
and Cobs
as Well

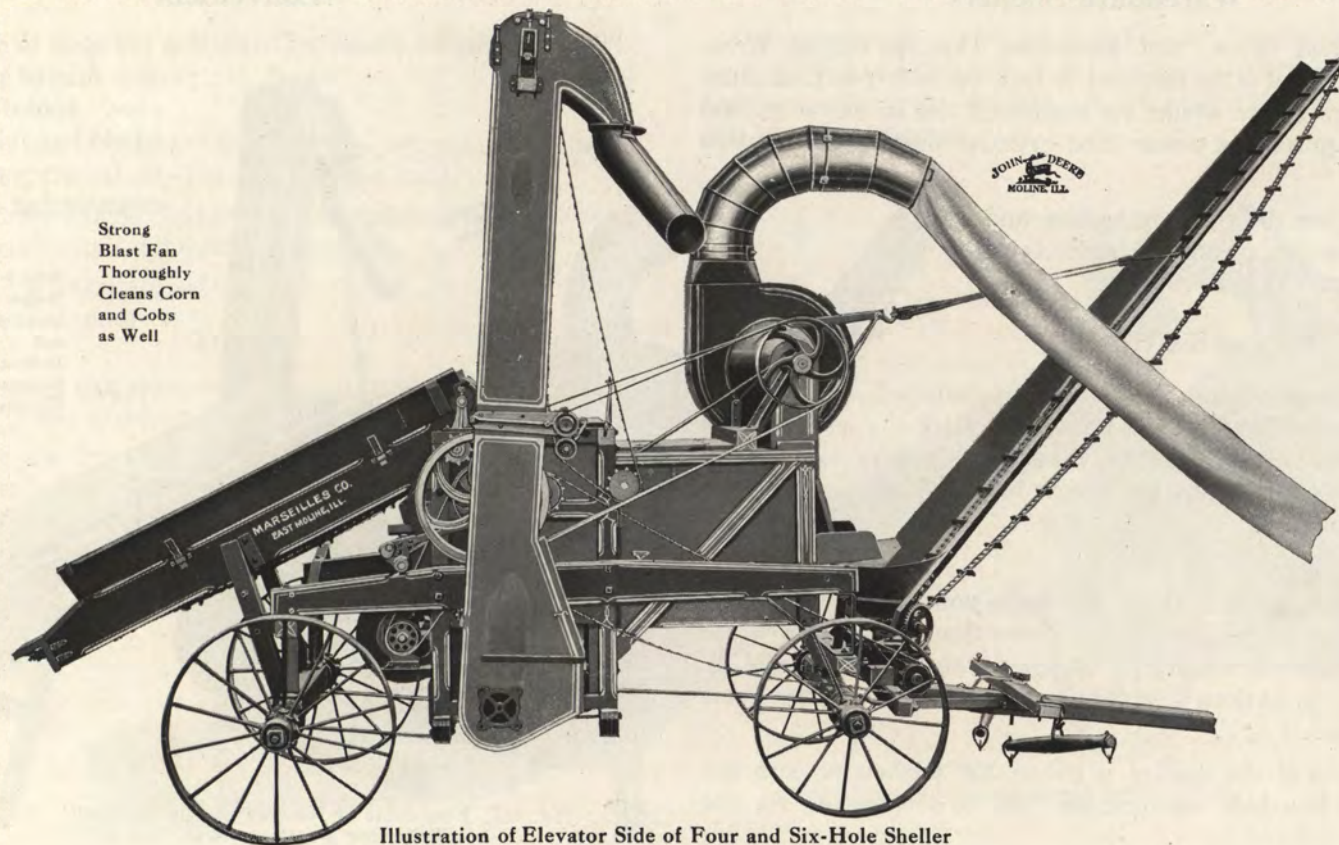


Illustration of Elevator Side of Four and Six-Hole Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Marseilles Down Dustless Spring Warehouse Shellers

Warehouse Shellers

AS illustrated below, the Marseilles Dustless Spring Warehouse Sheller is the first and, in fact, the only practical dustless spring corn sheller for stationary use in elevators and mills. It requires less power than cylinder shellers of the same capacity.

The cobs are delivered unbroken and cleaned—clean cobs are a marketable article in almost any community.

Four or Six-Hole

As a warehouse sheller, the Marseilles is built in two sizes—the four and six-hole. They are the same in mechanical construction as the Cyclone and Beater Force-Feed shellers, except for the “dustless” feature.

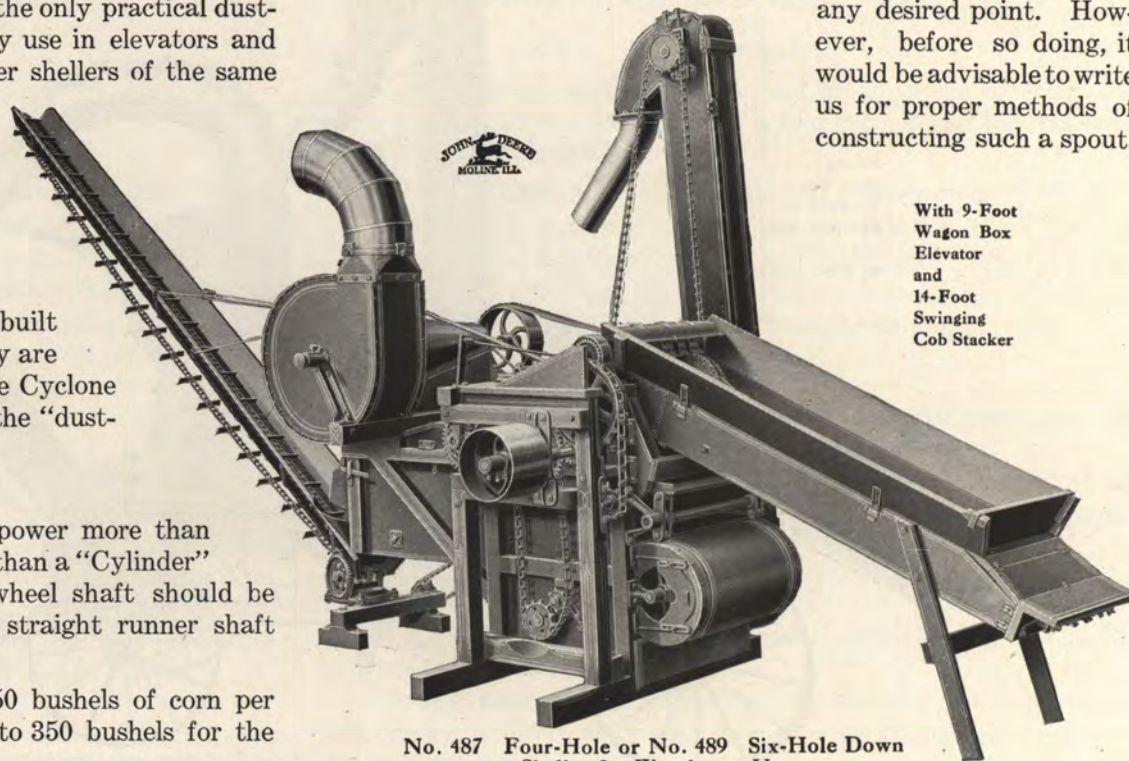
Speed

These shellers require about two-horse power more than do the other spring shellers, but less power than a “Cylinder” sheller of the same capacity. Balance wheel shaft should be run at 730 revolutions per minute, and straight runner shaft 190 revolutions.

The capacity of the shellers is 160 to 250 bushels of corn per hour for the four-hole machine, and 200 to 350 bushels for the six-hole.

Convenient

Spouting can be connected to suction fan so as to deliver dirt at any desired point. However, before so doing, it would be advisable to write us for proper methods of constructing such a spout.



With 9-Foot
Wagon Box
Elevator
and
14-Foot
Swinging
Cob Stacker

No. 487 Four-Hole or No. 489 Six-Hole Down Sheller for Warehouse Use

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Swivel Extension Conveyor with Overhead Drive

Various Sizes

ALMOST any length: 14 ft., 22 ft., 30 ft., 38 ft. or 46 ft. Swivel Extension Drag can be put on any of our Spring Corn Shellers.

For use on our Cylinder Shellers, the extension is always attached to and driven from the upper feeder shaft.

Illustrated herewith, is the fourteen-foot extension drag, a nine-foot sloping section and tail section of five feet.

Eight-foot intermediate sections are added to make it any additional length desired.

Handy

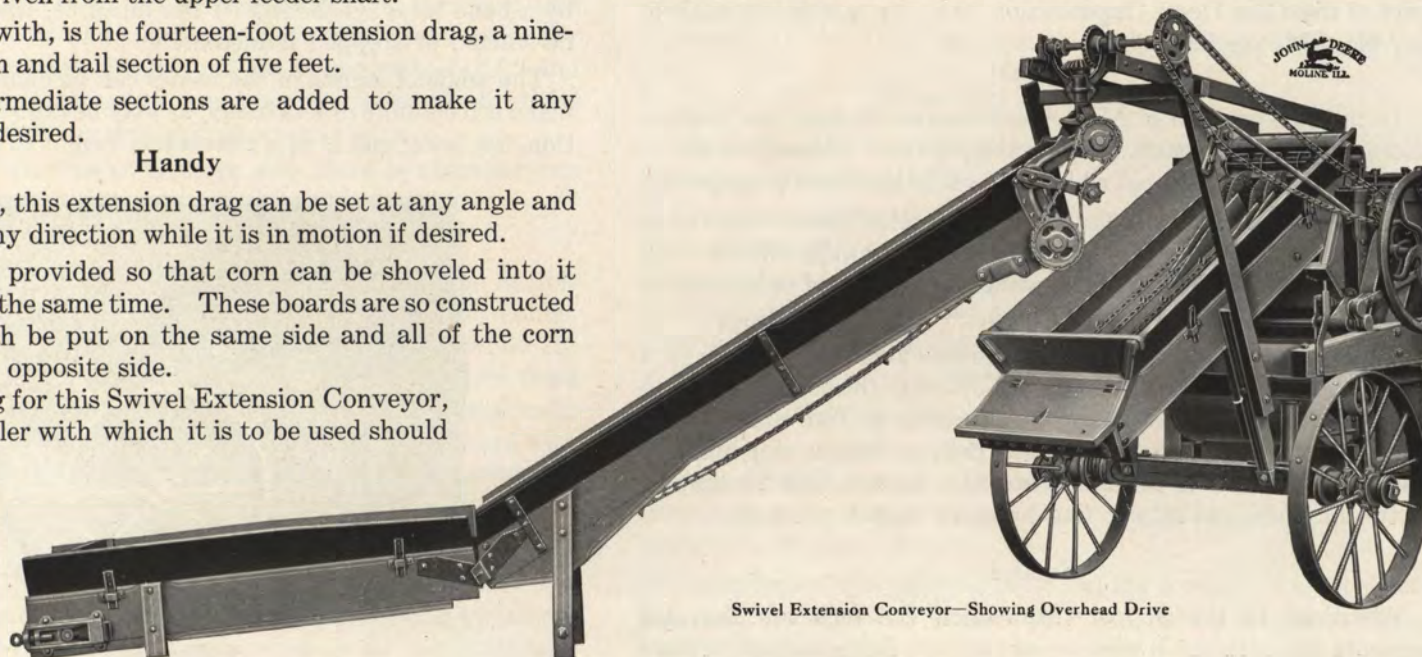
As will be noted, this extension drag can be set at any angle and can be swung in any direction while it is in motion if desired.

Side boards are provided so that corn can be shoveled into it from both sides at the same time. These boards are so constructed that they can both be put on the same side and all of the corn shoveled from the opposite side.

When specifying for this Swivel Extension Conveyor, the size of the sheller with which it is to be used should be stated.

In Corn Crib

The conveyor of this kind is especially appreciated when shelling from one end of a long crib, as the machine can be backed up to the door and additional sections to the conveyor put on as the crib becomes emptied.



Swivel Extension Conveyor—Showing Overhead Drive

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Marseilles Shoeless Spring Corn Shellers (Formerly Deere)

THESE machines are what are known as iron side shoeless spring corn shellers, and are built in three sizes, namely: Two, four and six-hole.

Formerly these shellers were made in our Deere & Mansur factory at Moline. However, since the Marseilles Co. has become a part of the John Deere Organization, they are now being made at our East Moline factory.

Capacity

In the construction of Marseilles Shoeless Shellers, the shaking shoes and vibrating parts are done away with. The machine can be run at a high rate of speed which materially increases the capacity.

The perfection of the separating and cleaning parts is such as to enable them to take care of the greater quantity of the corn received from the shelling parts, while the frame part of machine is made extra strong to withstand the high speed.

While the amount of the work the machine will perform in a given time depends largely on the condition of the corn, it is safe to estimate the capacity of the two-hole Senior at from eighty to one hundred and fifty bushels per hour; the four-hole at one hundred and seventy-five to two hundred and fifty bushels, and the six-hole at two hundred and fifty to four hundred bushels per hour.

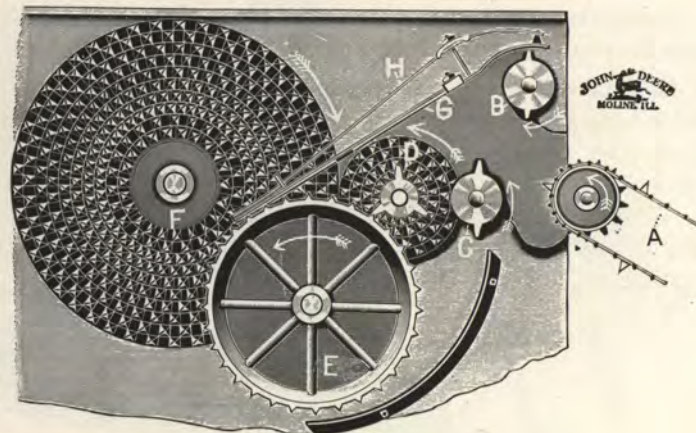
Feeder

Partitions in the hopper into which the ears are shoveled separate and straighten the ears as they are being carried forward

by the feeder chains. The ears are delivered endwise and continually into the throat of the sheller. These feed chains have spring tightening devices which take up the slack on each chain separately, keeping all of them uniformly tight and preventing much wear.

Being driven by a clutch gear connection which is controlled by a hand lever on the side of the machine, these feed chains can be started or stopped immediately.

The angle of incline of the feeder can be changed at pleasure to make it feed more or less freely, as may be desired. In either position, the lower end is at a convenient height to shovel into.



Shelling Parts

MARSEILLES COMPANY. EAST MOLINE, ILLINOIS.

Continuous Force Feed

Referring to illustration, on previous page, the lower shaft "C" and the upper shaft "B" have short wings and revolve in direction in which the corn moves. This carries the corn forward into the grasp of the picker wheel "D" and the shelling wheels "E."

No Clogging

The picker wheels have a tendency to prevent the short ears from getting crosswise and clogging the machine and continually urge the ear forward into the grasp of the shelling wheels "E" and "F." The feeder chains "A" are entirely independent of the shelling mechanism, being driven from separate shafts.

The throat of the sheller is large and there is absolutely no chance to choke it.

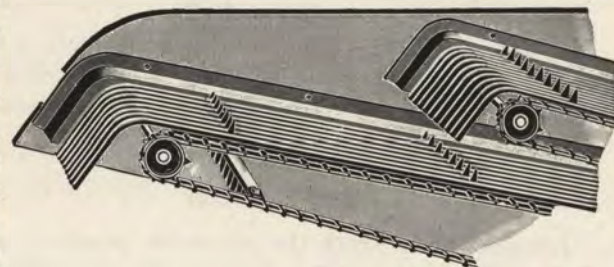
Shelling Parts

At this point, the rag iron "G," held in position by the flexible bow spring "H" retards the progress of the ear, forcing it against the straight runner "F" which sets the ear revolving, while the bevel runner "E" running at a high speed, strips the corn from the cob. The tempered steel springs "G" and "H" automatically holds each ear of corn, whether large or small, in contact with the shelling wheels, till the corn is removed, when it is promptly released. This process of shelling is rapid and does not break the cob.

Iron Sides

The construction on both sides of the machine shelling wheels are of cast-iron. They successfully resist great wear that naturally

comes on these parts. Other parts which come in contact with the corn when being shelled and that are subject to wear, are iron armored.



Sectional View of Stationary Rod Separator

Separating and Cleaning

Marseilles Shoeless Shellers have a unique and superior separating and cleaning method.

From the shelling wheels shelled corn and chaff are deposited on a separator composed of parallel rods fastened in a frame. These rods are arranged with sufficient distance apart to let the shelled corn drop through, where it is met with a blast from a fan and all dirt and chaff removed.

Cobs, husks and silks remain on the separator and are carried forward by malleable iron rake teeth fastened to endless chains.

From this separator, the cobs are discharged on an extension separator which is similar in construction. Thus, any grain that may have been carried over the first separator with the cobs, is subject to further treatment.

Regardless of the condition of corn, the separation is most perfect and the separator is of ample capacity. Damp or snowy corn is handled with perfect ease and facility.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Fans

A large under-shot fan driven at a high rate of speed insures the deliverance of a strong blast. All of chaff and dirt is thoroughly blown out of corn. The pressure of the blast can be adjusted for varying kinds of corn.

Chaff Deflector

Located underneath the extension separator and fastened in a manner to admit pivoting or swinging it in either direction, is a chaff deflector. This prevents the chaff from being blown into the cob pile and stacker jack.

It also collects any light weight or imperfect corn which would ordinarily be blown out with the chaff itself and deposits this in a pile where it can be gathered for feed or a second cleaning through the machine.

This deflector improves the grading of the corn while preventing the light and imperfect kernels

from passing into the wagon box or sack with the better quality of shelled corn, at the same time collecting them so that they can be fed to chickens or stock.

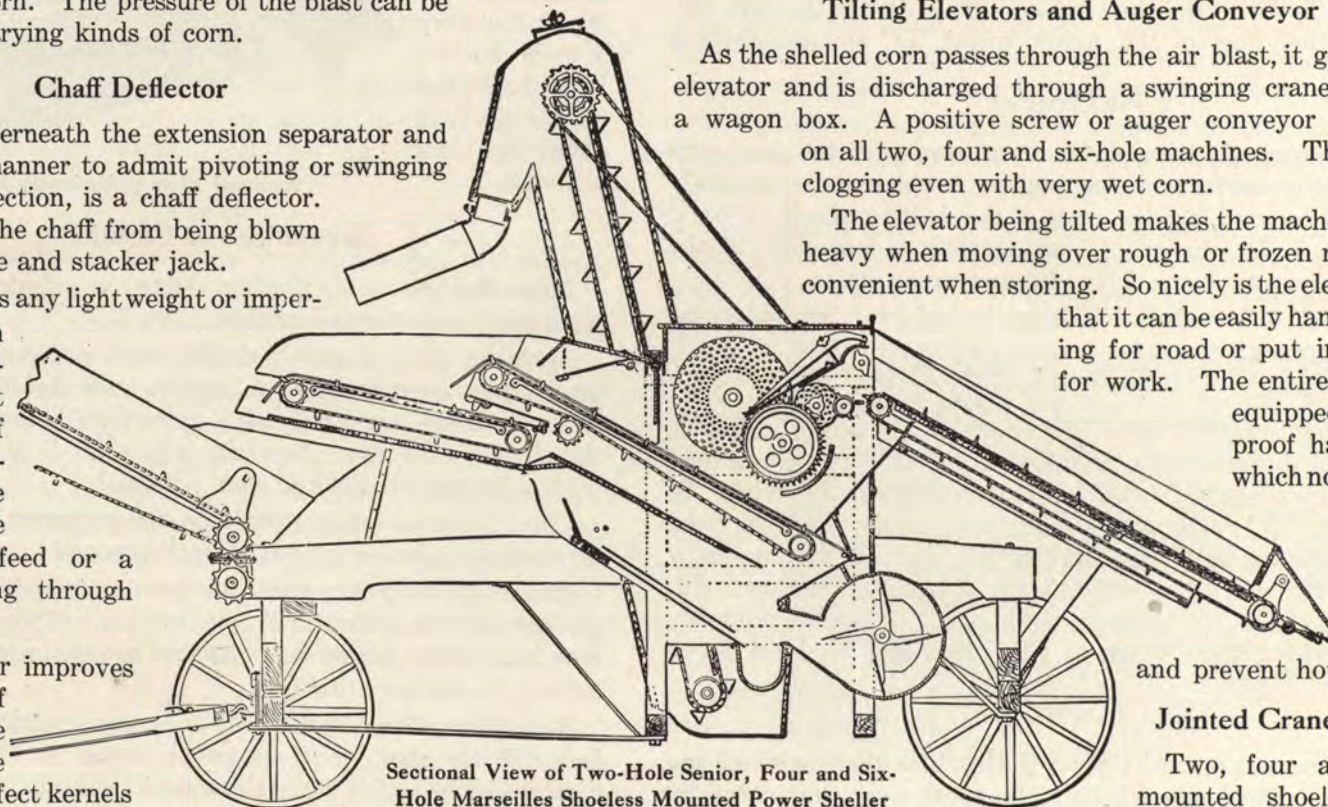
Tilting Elevators and Auger Conveyor

As the shelled corn passes through the air blast, it goes into the elevator and is discharged through a swinging crane spout into a wagon box. A positive screw or auger conveyor is provided on all two, four and six-hole machines. This prevents clogging even with very wet corn.

The elevator being tilted makes the machine less top-heavy when moving over rough or frozen roads and is convenient when storing. So nicely is the elevator hung, that it can be easily handled in folding for road or put into position for work. The entire machine is equipped with dust-proof hard-oil cups which not only make the sheller easy to oil, but insure perfect running and prevent hot boxes.

Jointed Crane Stackers

Two, four and six-hole mounted shoeless shellers



Sectional View of Two-Hole Senior, Four and Six-Hole Marseilles Shoeless Mounted Power Sheller

MARSEILLES COMPANY. EAST MOLINE, ILLINOIS.

are fitted with flat-bottomed, flaring side swinging chain crane cob stacker, varying in size with the size of machine.

A rod, hook bent at one end with a snap fastened in the other end is packed in the tool box of every mounted sheller. This is for taking up the slack in the stacker chain when folded for the road.

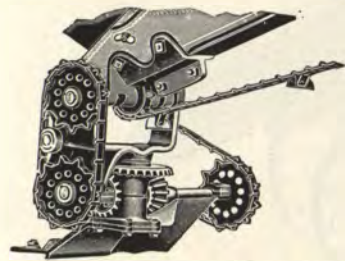
This rod is hooked to the inside chain and snapped to the outside through the folded joint.

Spring Chain Tightener

As illustrated, the spring chain tightener on cob stacker keeps the chain always at a uniform distance and prevents swinging. A very simple agitator at the base of the stacker prevents the possibility of clogging.

Right-Angle Belt Attachment

Mounted belt shellers are supplied with shafts and pulleys, so arranged that the machine can be driven by belt parallel or at right angles to it as may be most convenient.



Swivel Jack for Cob Stacker

Mountings

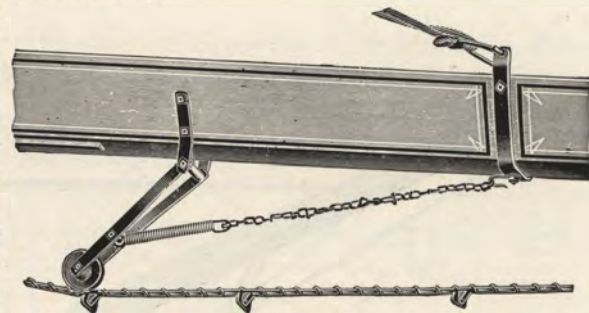
If shellers are to be operated by other horse powers, be sure to state the kind and make of the power, or, in any event, the length of the lever from the center of the master-wheel to draw-hook at the outer edge, the number of revolutions of the tumbling rod to one round of the horses; also whether the horses travel to the right or left, and whether

the tumbling rod revolves in the direction of the travel of the horses or against it, and the average number of times the horses complete the circle per minute.

Belt Drive

If the machine is to be run by belt, give the diameter and speed per minute of the belt pulley.

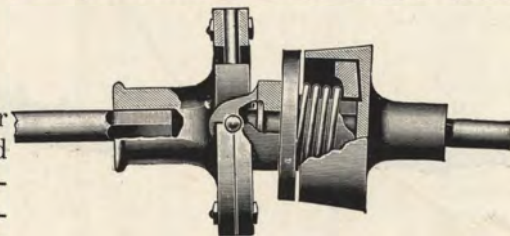
The speed recommended for any of the Marseilles Shoeless machines is not less than two hundred and sixty nor more than two hundred and seventy-five revolutions of the large picker wheel shaft, which equals nine hundred and fifty to one thousand and fifty revolutions of the balance wheel shaft per minute.



Spring Chain Tightener on Cob Stacker

Snap Coupling

The gear shellers for horse powers are fitted with snap couplings which permit instant stoppage of the



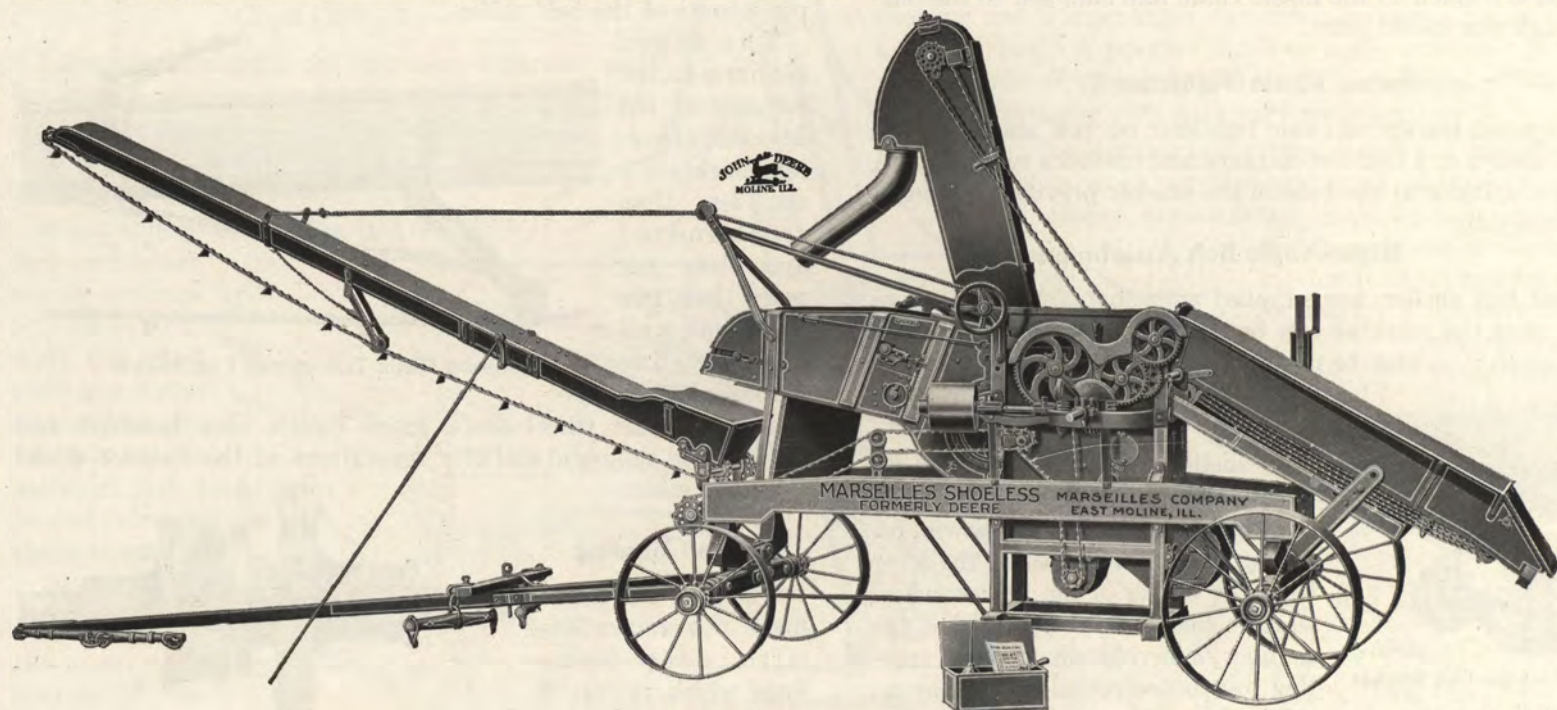
Snap Coupling Used with Geared Machines

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horse power in case of accident. The snap coupling allowing the momentum of the fly wheel to expend itself without carrying the horse power forward. This is exceedingly desirable in case the horses used on the power are not accustomed to the work.

There is also snap a pulley provided which prevents the danger of breakage from running the machine backward when starting the engine.

Geared shellers are fitted with long balance wheel shaft for pulleys so that the machine can be run with belt if desired



Marseilles Shoeless Mounted Belt-Power Sheller Set for Work

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Marseilles Shoeless Corn Shellers

Are furnished either mounted on trucks or down for use on elevators, mills, etc.

For warehouses or mill use, these shellers are highly recommended, as when so used, elevator of special length for delivering the shelled corn at greater height can be supplied.

All mounted belt shellers, two-hole Senior, four and six-hole sizes are fitted regularly with right-angle belt attachment, snap pulleys, fourteen-foot folded swinging crane cob stacker, tilting parallel elevator and steel wheel trucks.

Mounted Geared Shellers

Mounted geared shellers are regularly fitted with long balance wheel shaft for attaching pulley in case it is desired to run the machine by engine power, and snap couplings which prevent the strain from the motion of the fly-wheel being thrown into the sheller gears on the sudden slowing down and stopping of the horse powers.

Special drag or extension feeders used with the Marseilles Shoeless Sheller are described in connection with the shoe shellers on page 29.

Combinations of Gears Used on Marseilles Shoeless Power Shellers for Horse Powers of Various Speeds

Number of Revolutions of Horses per Minute	Number of Revolutions of Tumbling Rod to One of Horses	Size of Power	Speed of Tumbling Rod per Minute	Number of Gear on Circle Shaft	Number of Teeth in Gear	Number of Gear on Lower End of Upright Shaft	Number of Teeth in Gear	Number of Gear on Upper End of Upright Shaft	Number of Teeth in Gear	Number of Gear on Picker Wheel Shaft	Number of Teeth in Gear	Speed of Picker Wheel Shaft per Minute	Speed of Balance Wheel per Minute
3	28	4	84	E 124	35	E 125	19	E 371	35	E 360	21	258	993
2 ³ / ₄	29	8	79	E 369	35	E 370	23	E 152	34	E 153	15	272	1,045
2	32	10	64	E 152	34	E 153	15	E 124	35	E 125	19	267	1,035
2 ³ / ₄	44	8	121	E 199	33	E 191	26	E 124	35	E 125	19	284	1,091
2 ³ / ₄	52	8	143	E 196	37	E 197	27	E 196	37	E 197	27	269	1,034
2	52	10	104	E 196	37	E 197	27	E 124	35	E 125	19	263	1,010
2 ³ / ₄	55	8	162	E 199	33	E 191	26	E 196	37	E 197	27	282	1,083
2	73	10	146	E 124	35	E 125	19	E 92	33	E 92	33	269	1,034
2	76	10	152	E 199	33	E 191	26	E 196	37	E 197	27	264	1,014
2	81	10	162	E 199	33	E 191	26	E 199	33	E 191	26	261	1,005
2	86	10	172	E 369	35	E 370	23	E 92	33	E 92	33	262	1,006
2	90	10	180	E 191	26	E 199	33	E 124	35	E 125	19	262	1,007
2	95	10	190	E 196	37	E 197	27	E 92	33	E 92	33	260	999
2	101	10	202	E 191	26	E 199	33	E 371	35	E 360	21	265	1,019
2	105	10	210	E 199	33	E 191	26	E 92	33	E 92	33	266	1,026
3	44	8	132	E 199	33	E 191	26	E 371	35	E 360	21	275	1,056
2 ¹ / ₂	105	10	262	E 92	33	E 92	33	E 92	33	E 92	33	262	1,006
2 ³ / ₄	73	8	200	E 196	37	E 197	27	E 92	33	E 92	33	274	1,078

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Cylinder Corn Shellers

NEW Marseilles Dustless Cylinder Corn Shellers are the leaders in the cylinder corn sheller trade today. Seventeen years ago we commenced manufacturing cylinder corn shellers to meet the demand for a sheller of larger capacity than our eight-hole spring sheller. The popularity of this machine has lead to many imitations.

The New Marseilles Dustless Cylinder Corn Sheller will successfully shell shucked or unshucked corn. It is the only cylinder sheller that does not deliver dust or dirt into the cob pile nor waste the corn on the cob or shuck pile.

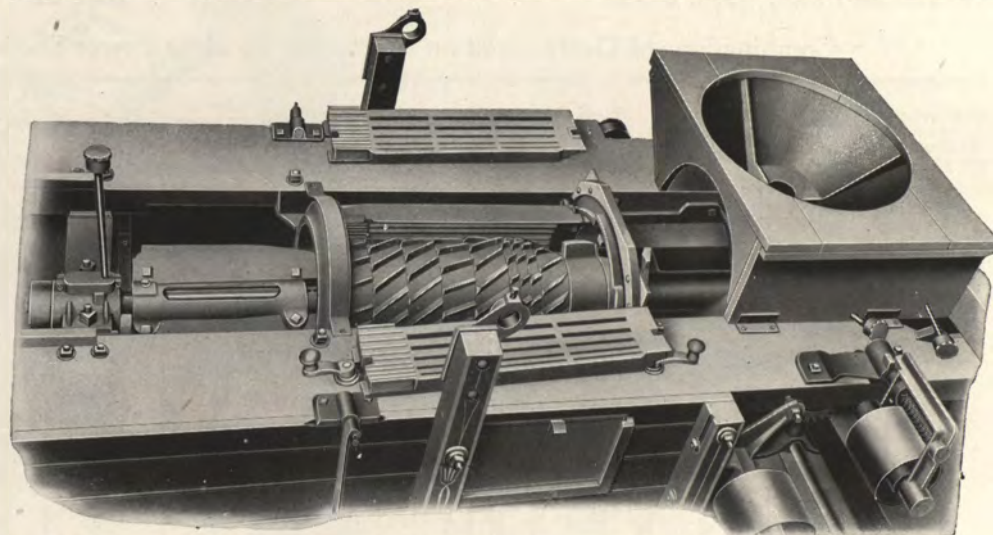
It thoroughly shreds, shucks and separates all the corn and perfectly cleans both the corn and the cobs. It is operated at a low speed with less power approximately to the capacity than any other cylinder sheller. Our No. 3 size is the largest capacity sheller made for either shucked or unshucked corn.

Shelling Head and Concave Arrangement

Is deserving of careful consideration. It is not made on the old plan (so common in other machines) of a series of lugs or beaters that pound and beat the corn in all conceivable shapes in a closed cylinder, till the corn is all worn off the cob. Nor the corn is not retarded in its progress through the machine by dampers or discharge gates, so necessary in other machines to insure clean shelling.

The concave or shelling cage of our sheller is made up of adjustable cast-iron staves held in position by adjustable eccentric rings that can be operated (while the machine is in motion) to increase or decrease the diameter of the cage to handle large or small corn, or tough or dry corn. Thus, the amount of work done on the cobs is entirely under control of operator.

The feed screw and screw cone are positive in their feed and deliver the ears on shelling head at an angle of 45 degrees to the



Interior View of Feed Hopper and Adjustable Shelling Cage Showing Sheller Cylinder. Two Shelling Staves Removed

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Cylinder Corn Shellers—Continued



Two Views of Shelling Cylinder and Spiral Force-Feed. The Upper for Husked Corn, the Lower for Snapped Corn

axis, and in this position they take a spiral rolling and highly centrifugal motion between shelling head and concaves, thus giving each ear a positive process, after which it is delivered promptly from the cylinder, thus saving time and power that old-style shellers spend on cobs already shelled, but retarded by discharge gates or valves in cylinder.

As there is room but for one ear of corn at a time between the shelling staves and shelling head, cobs cannot get one over the other and crush each other. This feature makes a better looking cob pile and less broken cobs and dirt to remove from the shelled corn.

The New Process Shelling Device

Excels because of: Positive feed from hopper to and through the shelling cylinder.

Positive process of shelling applied to each ear of corn.

Shelling parts are made of white iron hard as steel.

Shelling head made of sectional parts easily removed.

In repairing, only worn or broken sections need be replaced while in many shellers it would be necessary to replace the whole shelling head.

A broken stave of our shelling cage can be replaced with a new one in a few minutes, where the old-fashioned steel rod cage, bent or broken, would require hours, perhaps days, to repair.

Shelling head so slits the shucks that shelling and separating when handling snap corn (so difficult for others) is a picnic for us.

The spiral force-feed and shelling head keeps things going and leaves cylinder empty when through shelling.

Husked Corn

In the arrangement, the spiral beater is placed at the discharge end of the shaft and the shelling rings are all in the cylinder. This arrangement of the shelling head will handle any size or kind of husked corn, and will also handle corn with

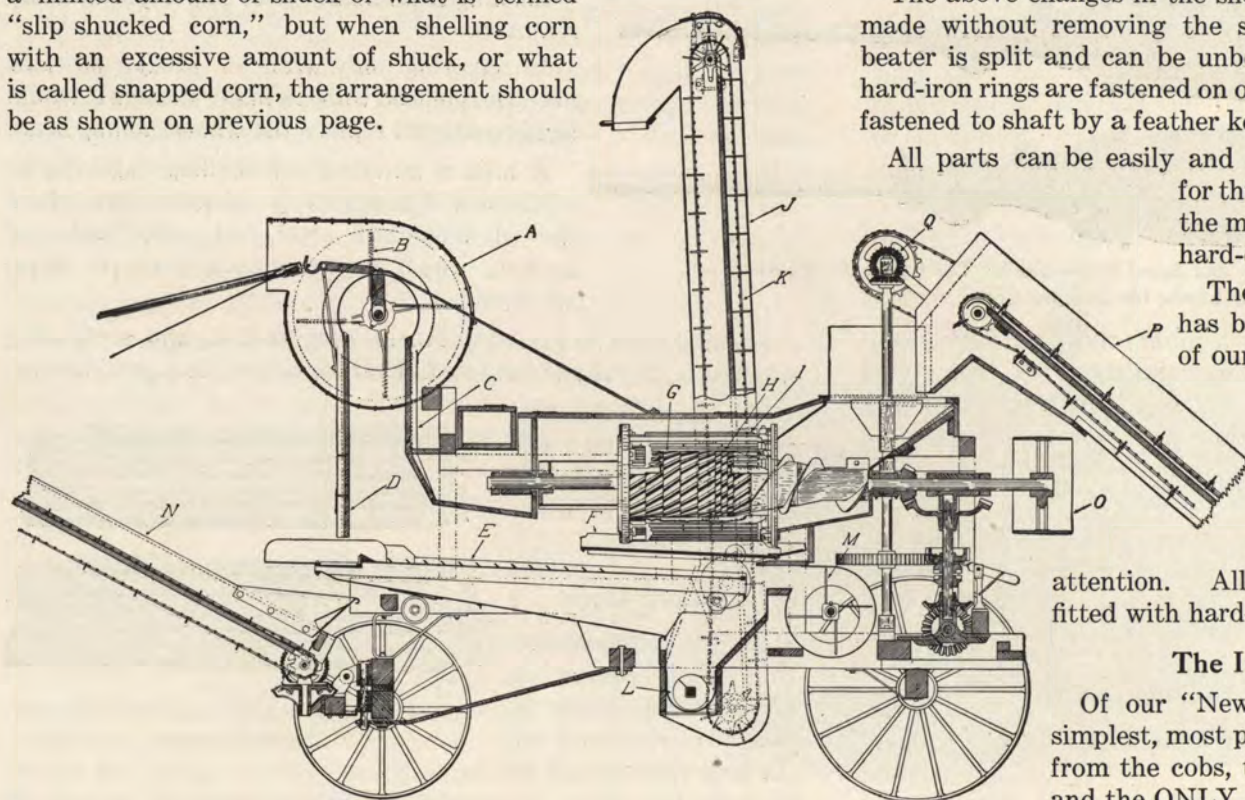


Staves of the Adjustable Cage that Surrounds Sheller Cylinder

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Cylinder Corn Shellers—Continued

a limited amount of shuck or what is termed "slip shucked corn," but when shelling corn with an excessive amount of shuck, or what is called snapped corn, the arrangement should be as shown on previous page.



Sectional View of New Marseilles Dustless Cylinder Corn Sheller

The above changes in the shelling head are quickly and easily made without removing the shaft from machine. The spiral beater is split and can be unbolted from the shaft. The three hard-iron rings are fastened on one sleeve or hub, which, in turn, is fastened to shaft by a feather key and set-screw.

All parts can be easily and quickly gotten at for adjustment for this work or removal for repairs. All the main shaft bearings are fitted with hard-oil cups.

The strength of our late machines has been greatly increased over that of our earlier types, by heavier shafting, stronger gearing, heavier chain and chain wheels, stronger shoe connections and driving apparatus for same, and, in fact, every known point of wear or weakness in times past has had careful attention. All fast-running shaft bearings are fitted with hard-oil cups.

The Improved Shelling Device

Of our "New Marseilles" machines, it is the simplest, most perfect in removing the corn clean from the cobs, the nearest indestructible of any, and the ONLY one used in any cylinder sheller that will shell any number of ears from one up, as

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Cylinder Corn Shellers—Continued

promptly and perfectly as when the shelling cage is crammed full of ears. We **GUARANTEE THIS CYLINDER TO SHELL CLEAN FROM THE COBS OF ANY KIND OF CORN.**

Many times the operator is compelled to feed slowly and this sheller will do the same clean, nice work, taking the corn all off from the cobs as when the machine is fed to its full capacity. Each ear of corn is kept revolving and the corn is shelled from the cob with less cracking of kernels or breakage of cobs than with any other cylinder sheller. It is no more liable to breakage than the shelling device of any other sheller, and in case a breakage does happen, will not cost nearly as much to repair as others do. **THE SHELLING HEAD** is made of white iron section bolted to soft iron hubs that are placed on main shaft with feather keys and set screws. This is the hardest and most durable iron known. **THE CYLINDER CAGE** is made up of sections or "staves" which are readily removable and which are adjustable at both ends. The adjusting levers for the staves are now placed at the side of the cylinder, inside the body of the machine, and are operated by means of the small cranks, which will be noted in illustrations, page 36.

This enables the operator, when machine is in motion, to quickly adjust it from the ground, to handle any condition of corn.

The shelling cylinder and shelling staves of our New Marseilles Shellers are considerably longer than in older style machines, and we also use three special shredding rings, near the entering end of cylinder. The result is perfect in shelling the corn clean from the cobs, in tearing shucks from the ears as they enter cylinder

and shredding them so fine that they cannot cup together and carry shelled corn into the shuck pile. This leaves the remaining length of the cylinder free for separating out and saving all the corn from the shucks and cobs. **OUR MACHINE WASTES LESS CORN IN THE COB PILE THAN ANY OTHER KIND.**

Speed and Belt Hitches

The speed of the drive pulley of all three sizes of our "New Marseilles" Cylinder Shellers should not be less than 630 revolutions per minute when operating under full load, whereas, all other cylinder shellers require a speed ranging from 700 to 800 revolutions per minute. Which sheller, think you, will require the least power for a given capacity, last longest, cost least for repairs and involve least loss of running time on account of breakage? **ASK ANY UNPREJUDICED MECHANIC.** We furnish drive pulleys of such diameter for our shellers that engines with their regular drive pulleys do not have to run above their normal speeds.

The operator can place the drive pulley on the cylinder shaft or on the right-angle shaft, so as to locate his engine either at right angles to or parallel with the sheller. **ALWAYS PLACE IT ON CYLINDER SHAFT WHEN CONVENIENCE WILL ADMIT.**

CAPACITY PER HOUR of our No. 1 size Sheller is 400 to 700 bushels of shucked corn, or 150 to 300 bushels of unshucked corn.

CAPACITY PER HOUR of our No. 2 size Sheller is 700 to 1200 bushels shucked corn, or 200 to 450 bushels of unshucked corn.

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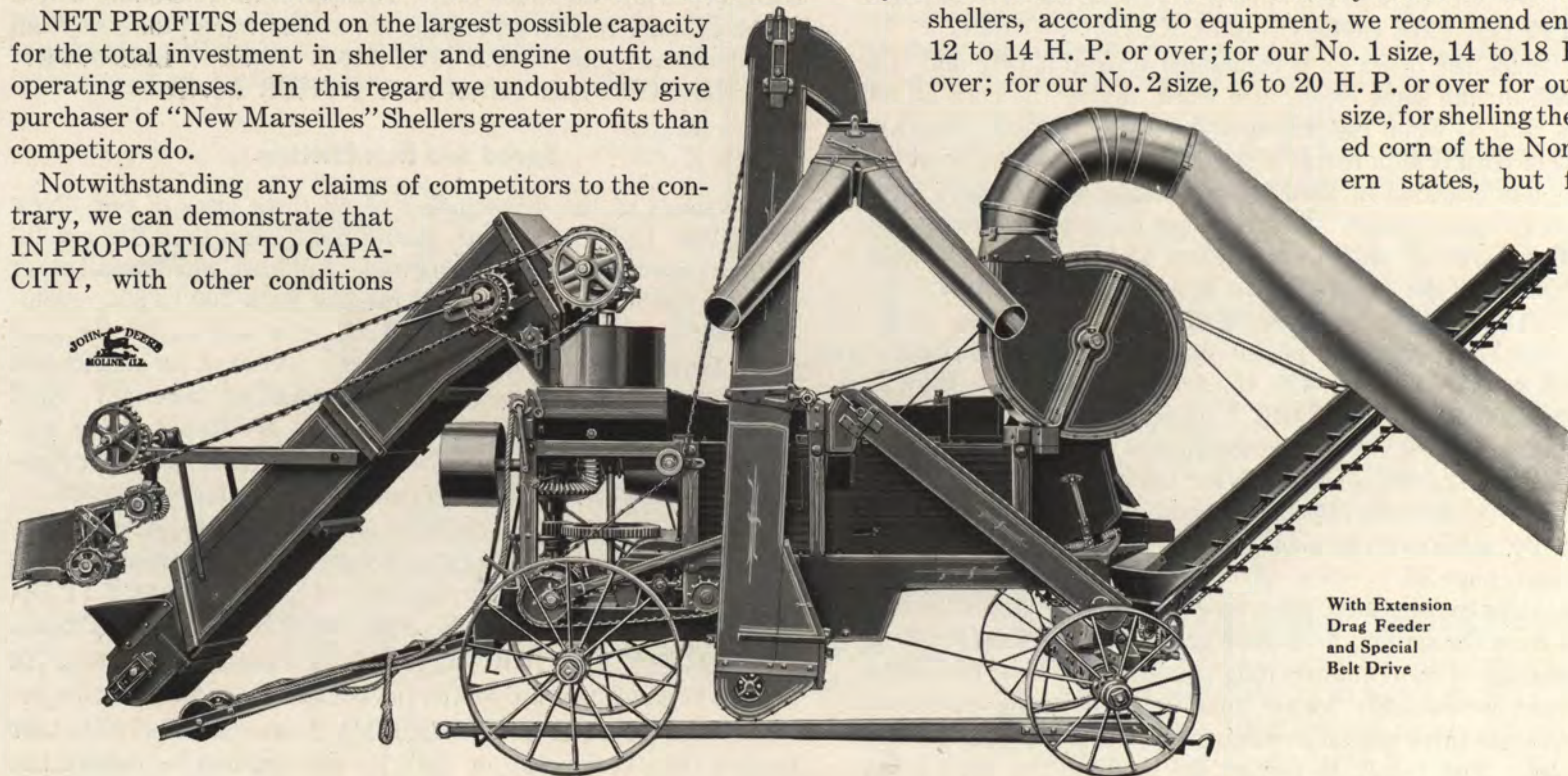
Cylinder Corn Shellers—Continued

CAPACITY PER HOUR of our No. 3 size Sheller is 900 to 1800 bushels shucked corn, or 250 to 700 bushels of unshucked corn.

NET PROFITS depend on the largest possible capacity for the total investment in sheller and engine outfit and operating expenses. In this regard we undoubtedly give purchaser of "New Marseilles" Shellers greater profits than competitors do.

Notwithstanding any claims of competitors to the contrary, we can demonstrate that IN PROPORTION TO CAPACITY, with other conditions

equal, our "New Marseilles" require less power than any other cylinder corn sheller. For our ordinary mounted or field style shellers, according to equipment, we recommend engines of 12 to 14 H. P. or over; for our No. 1 size, 14 to 18 H. P. or over; for our No. 2 size, 16 to 20 H. P. or over for our No. 3 size, for shelling the shucked corn of the Northwestern states, but for the



With Extension
Drag Feeder
and Special
Belt Drive

Complete New Marseilles Mounted Outfit

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Cylinder Corn Shellers—Continued

unshucked ("snapped") corn of the Southern states, 10 to 20 per cent more power. Varying conditions of the corn to be shelled, capacity of machines, dimensions of attachments to be driven from the sheller, distance shucks and dirt must be forced from the shuck separator fan through discharge pipes, etc., all have a bearing upon the amount of power required and must be taken into account in purchasing any make of sheller.

Patent Swinging and Raising Feeder

Can be used at any angle from the machine with its lower or receiving end placed in any desired position. It can be raised in a few seconds for traveling on the road, and does not have to be removed for transportation.

It is fully protected by patents, cannot be copied by competitors.

This is the only sheller having a swinging main feeder. It permits the sheller to be set at any angle with the crib, and in cramped situations where other shellers cannot set at all. It is NOT necessary to back our sheller up to the crib, but you can stop at any convenient spot and swing the feeder to any point from which you want to take corn.

Patent Swinging Extension Drag Feeder

Has a swivel connection where it connects with lower end of above described regular feeder, so that when both are used together, sheller may be set at one end of a double crib and both feeders swing to either side of crib so that all the corn in both sides of crib can be shelled by only one setting of the sheller and in less time than with any other sheller.

The Cleaning Device

Is of Vibrating Riddle Principle with positive double pitman drive for both upper and lower shoes. It is the most perfect known to mechanical arts and consists of an upper coarse scalping shoe immediately under shelling cylinder. This forces the cob, shucks, etc., forward to discharge end of lower shoe, delivering shelled corn back of and separated from the cobs, etc., upon rear half of the lower shoe. Here it is subjected to both blast fan and our patent suction separating device, and delivered from machine perfectly cleaned for the market. We can demonstrate to the most skeptical that our "New Marseilles" Shellers not only clean the corn more perfectly, but crack fewer kernels and WASTE LESS CORN in either the cobs or the shucks than any other cylinder sheller. The recleaning elevator which is plainly shown in the illustration on page 38, is an important part of the cleaning device, which insures perfect cleaning and the saving of all the corn.

Patented Steel Suction Separator

Referred to in the above description of our cleaning device, is radically different and is vastly superior to any other. It has a steel suction fan in an all-steel "housing" and draws the loose shucks, silks and dust out of the corn and cobs and discharges them through the swivel discharge pipe, shown on page 38 in any direction and may deliver same at any desired distance by use of dust pipe of sufficient length. There is no dust or dirt around machine, thus making it clean and pleasant for the operator. WE ORIGINATED THE DUSTLESS FEATURES

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Cylinder Corn Shellers—Continued

FOR OUR SHELLERS and thus drove all competitors to follow our lead.

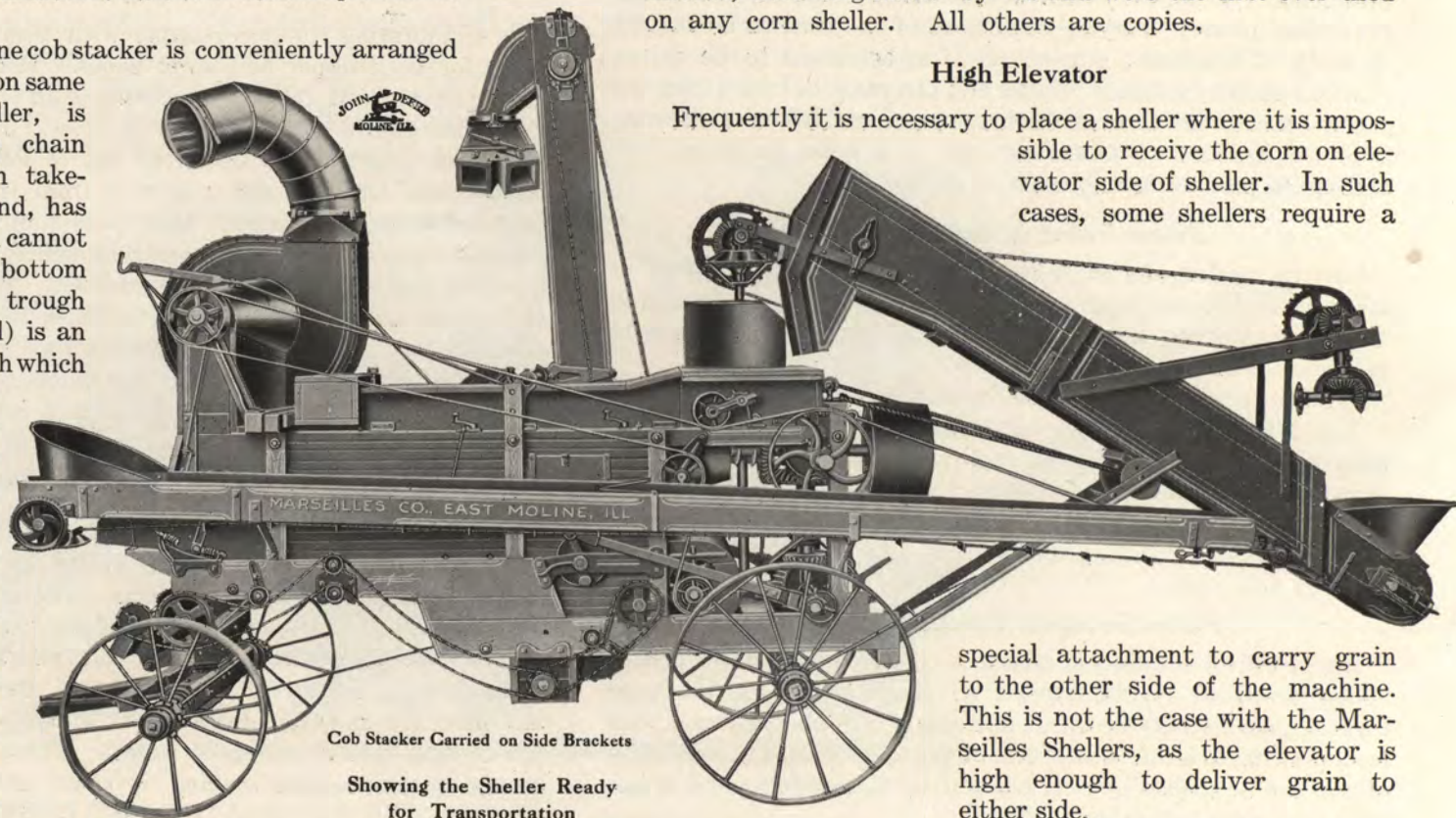
Our swinging crane cob stacker is conveniently arranged for transportation on same trucks with sheller, is chain-driven, has chain cob conveyor with take-up at discharge end, has ample capacity and cannot be clogged. In the bottom of the conveyor trough (near its lower end) is an open "rack" through which fall any kernels of corn that by chance may discharge with the cobs, and can be saved by a basket or box underneath the "rack" so none are wasted in cob pile.

The tilting drag or steel plate elevator and bifurcated delivery spout used on our

shellers, were originated by us and were the first ever used on any corn sheller. All others are copies.

High Elevator

Frequently it is necessary to place a sheller where it is impossible to receive the corn on elevator side of sheller. In such cases, some shellers require a



special attachment to carry grain to the other side of the machine. This is not the case with the Marseilles Shellers, as the elevator is high enough to deliver grain to either side.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Swivel Extension Chain Drag Feeder

Adaptability

THE first or regular section of the Marseilles Swivel Extension Chain Drag Feeder is 14 feet long, consisting of 9-foot sloping section with 5-foot tail section.

Additional lengths, 8 feet, which go between the regular sloping section and the tail section, are furnished when desired. Lengths, therefore, 14 feet, 22 feet, 30 feet, 38 feet, etc., can be obtained.

Illustration below consists of No. 467, 14-foot conveyor with two No. 419, 8-foot intermediate sections, making 30-foot drag.

This can also be used with our Universal Swinging Feeder, which has already been described on page 29.

Practical

The Marseilles Swivel Extension Chain Drag Feeder is the simplest and most practical one on the market.

When set for work it runs level and close [to the ground as illustrated in the cut below.

It can be strung out alongside of or inside of a crib, and set at any angle from feeder.

Convenience

These extension drags are especially valuable when shelling is

done in cramped position and are used very successfully for shelling from one end of long cribs, additional sections being put on as the corn gets further from the door.

Chain or Rubber Belt Drag

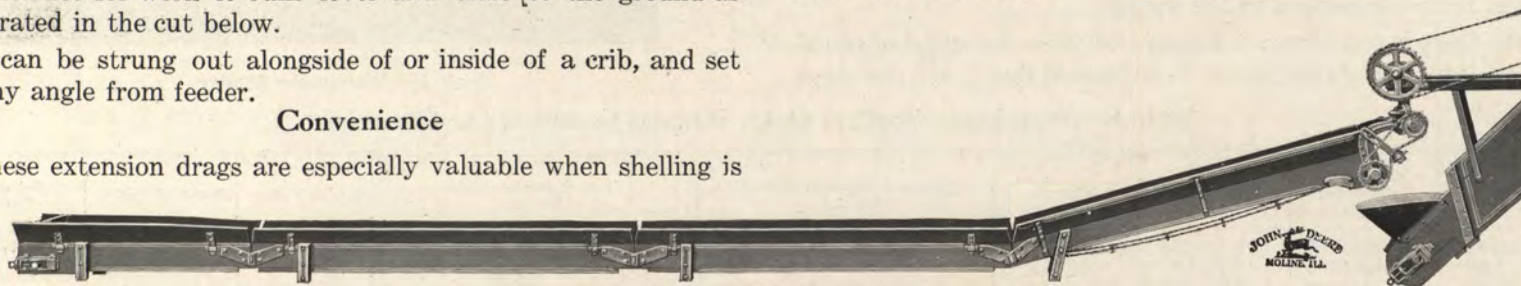
The use of regular chain drag as illustrated herewith is strongly recommended, although when desired rubber belt drags are furnished without additional charge.

Either of these drags can be used at any angle desired. It is not necessary to back up to the crib.

An Exclusive Feature

Marseilles Cylinder Corn Shellers are the only ones on the market having swinging main feeders.

Shelling can be done from either side of the double crib without moving the sheller.



No. 467 Fourteen-foot Conveyor, with Two No. 419 Eight-foot Intermediate Sections

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Style F—New Process Warehouse Sheller

Without Cleaning Device

THIS style sheller is very often located at the boot of a stand of elevators and used in connection with a corn cleaner located at some other point (usually at the head of elevator).

Ear corn enters the receiving hopper at the top of sheller, as shown, and shelled corn, cobs, etc., are discharged at the bottom at the opposite end of machine.

The drive pulley can be placed at the other end of sheller from that shown in the illustration on this page.

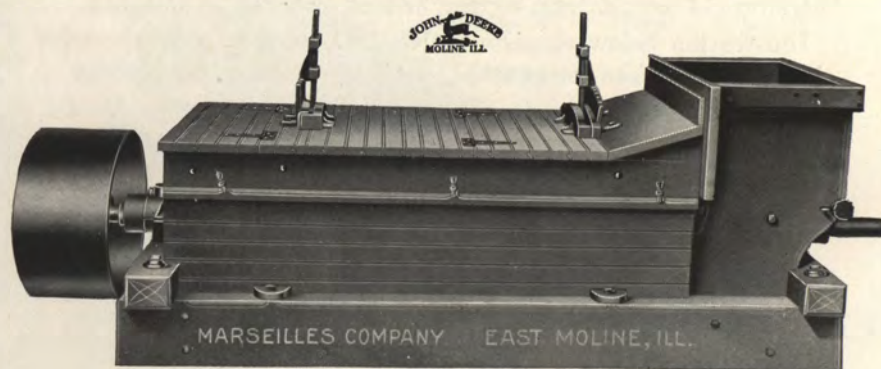
This machine occupies very little space and can be set anywhere desired.

Best results are obtained when the sheller is to take ear corn direct from a pit, by making the pit bottom hopped from three sides toward a vertical side next to the sheller with a gate on the vertical side large enough so that ear corn can flow out through it into the receiving hopper to the sheller.

When there is considerable distance between the stand of elevators and dump pit, sheller should be so located that it will discharge

into the elevator boot. The ear corn can be conveyed to it by feeders.

The shelling device in this sheller is the same as in the new Marseilles Dustless Combined Sheller and Cleaners. It does not contain any of the separating or cleaning devices.



Style F—Warehouse Sheller

Style F—Warehouse Shellers Only, Without Separators or Cleaners

Size	Capacity Bushels per Hour	Horse Power Required	Weight	Extreme Height to Where Corn Enters	Floor Space Required Over All	Size of Pulley	Speed of Pulley	Telegraph Cipher
No. 1-F	400 to 700	6 to 10	930 lbs.	2 feet 5 inches	6 ft. 7 in. x 2 ft. 7 in.	16 x 8	500 to 600	Voting
No. 2-F	700 to 1200	8 to 12	1050 lbs.	2 feet 5 inches	6 ft. 7 in. x 2 ft. 7 in.	16 x 8	500 to 600	Voteary
No. 3-F	900 to 1800	10 to 14	1305 lbs.	2 feet 7 inches	7 ft. 3 in. x 2 ft. 11 in.	16 x 10	500 to 600	Veritable

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

New Marseilles Dustless Warehouse Corn Shellers and Cleaners

THE descriptive numbers 500, 501 and 502 cover the warehouse shellers and cleaners without attachments, as illustrated on pages 46 and 47.

Any of these machines may be fitted with feeder, shelled corn elevator, cob stacker or extension drag feeder, but when any of these parts are wanted, orders must so specify. See descriptive list of separate parts and attachments in price list.

The important factors in obtaining satisfactory results from our New Marseilles Shellers are (1) correct installation, (2) correct speed, and (3) the furnishing of ample power to drive the machine.

While the table below and the general remarks in preceding pages give considerable information along this line, we suggest that before planning the installation of these machines, customers

obtain our sheet of instruction for installing New Marseilles Shellers, which will be mailed free on request.

These machines are made in three sizes and are identical in construction with our Mounted Field Shellers, shown on preceding pages, less trucks, feeder, extension drag feeder, cob stacker and elevator.

We call the especial attention of grain dealers, millers and cotton ginner to the smaller space these machines occupy than other combined shellers and cleaners of equal capacity.

This is of particular advantage as it saves space, can be installed where others could not, can be handled with less difficulty, and where one is building for the purpose it will save the builder from fifty to a hundred dollars.

New Marseilles Dustless Warehouse Corn Shellers and Cleaners

Catalog No.	Size of Sheller	BUSHELS, CAPACITY PER HOUR		Horse Power Required See Note B	Approximate Shipping Weight Lbs.	Height Floor to Top of Feed Hopper See Note C	Height Floor to Outlet of Shuck Separator See Note C	Floor Space Required Over All	Size of Drive Pulley in Inches	Speed of Drive Pulley per Min.	Telegraph Cipher
		Shucked Corn See Note A	Unshucked Corn See Note A								
500	No. 1	400 to 700	150 to 300	10 to 14	2676	52 in.	82 in.	128 in. x 60 in.	16 x 8	625 to 635	Gunnery Gunshot Gunsmith
501	No. 2	700 to 1200	200 to 450	12 to 16	3019	52 in.	82 in.	128 in. x 66 in.	16 x 8	625 to 635	
502	No. 3	900 to 1800	250 to 700	14 to 20	3367	54 in.	84 in.	134 in. x 76 in.	16 x 10	625 to 635	

NOTE A. Hourly capacities claimed are based on actual running time and upon corn in any shelling condition that grain dealers will buy.

NOTE B. The maximum power above specified must be delivered to drive pulley of sheller. Many conditions may not require it, or perhaps not the minimum power specified, but an ample supply of power is an important factor to perfect operation of any sheller. POWER REQUIRED DEPENDS UPON CONDITION OF CORN AND WHETHER OR NOT SHELLER IS TO BE OPERATED WITH COB STACKER, ELEVATOR FEEDER, EXTENSION DRAG

FEEDER, OR OTHER MACHINERY. Sheller MUST run at speed stated when operating under FULL LOAD.

NOTE C. HEIGHTS GIVEN include the SIDE DELIVERY SCREW CONVEYOR shown underneath center of sheller, which projects 7½ inches below bottom sills of sheller, but do not include measurements from outlet of shuck separator fan to top of elbow of dust pipe which is 28 inches for Nos. 1 and 2 size machines and 30 inches for No. 3 size machine.

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

New Marseilles Dustless Cylinder Warehouse Corn Sheller and Cleaner

Various Sizes

THESE machines are made in three sizes that are identical in construction with our mounted field shellers shown on the preceding page, with truck, feeders, extension drag feed, and cob stacker left off. Any of these parts, however, can be furnished when desired.

Saves Space

The new Marseilles Dustless Cylinder Warehouse Corn Shellers and Cleaners are especially noted for the small amount of space (height, width and length) they occupy in comparison with other warehouse shellers and cleaners of like capacity.

This is a great advantage in many instances, as these shellers can be inserted where others cannot.

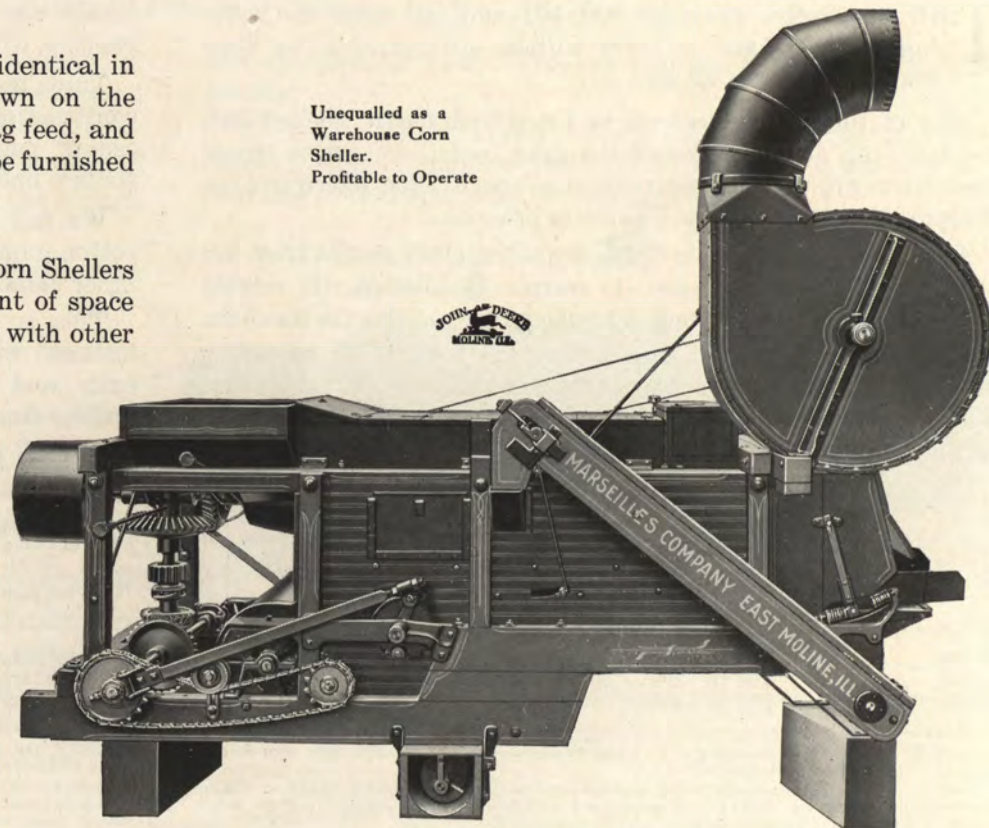
Economy

When building new warehouses very often it is possible to save \$50.00 or \$100.00, or even more, in the cost of building, because of the fact that these shellers require so small space.

The illustration here shows Cylinder Sheller driven by chains. Option is given, however, of belt drive.

For a complete description of the shelling parts, refer to pages 36 and 37, where a detail description is given of the entire shelling process.

Unequaled as a
Warehouse Corn
Sheller.
Profitable to Operate



Left Hand View of New Marseilles Dustless Cylinder Warehouse Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

New Marseilles Dustless Cylinder Warehouse Corn Shellers and Cleaners

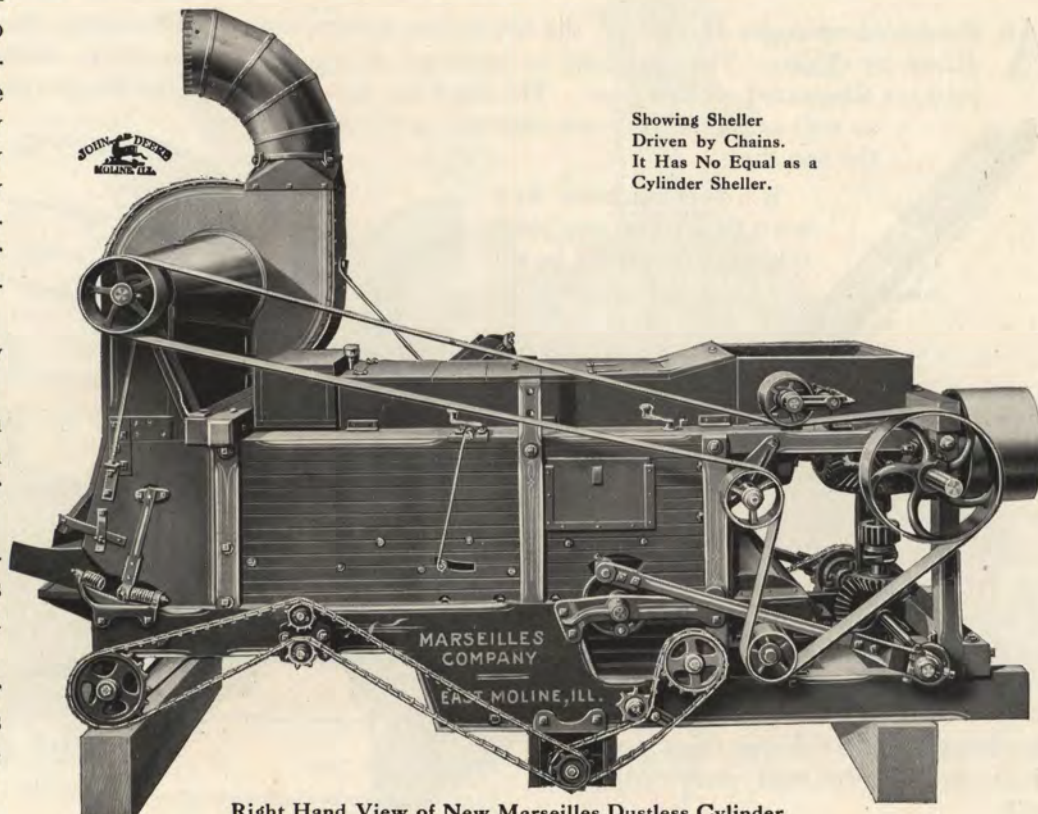
WHERE conditions will admit, the most economical and satisfactory arrangement is to locate the New Marseilles Dustless Cylinder Warehouse Corn Sheller and Cleaner on the "working floor" where they can be conveniently cared for by the operator, feeding them either by elevating the ear corn from the dump pit or by spouting it from overhead bins, and then spouting the shelled corn from the sheller to the boot or an elevator below where it can be raised for loading or to storage bins.

As regularly equipped, the side delivery screw conveyor as shown is furnished.

This, however, is removable and can be taken off if it is desired to deliver the grain directly from the bottom of sheller through a hole in the floor beneath.

When regular shelled corn elevator is to be connected directly to and driven from the sheller, this screw conveyor is needed to lead the shelled corn into the boot of elevator.

It is not absolutely necessary to set the sheller upon timbers as shown, although this method is strongly recommended for convenience and accessibility.



Right Hand View of New Marseilles Dustless Cylinder Warehouse Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

New Marseilles Dustless Cylinder Warehouse Sheller and Cleaner with Independent Belt Drives for Shuck Separator and Elevator

As illustrated on pages 46 and 47, the warehouse shellers are driven by chains. They can also be furnished driven by belts, as illustrated on this page. The blast fan, however, as well as the shelled corn elevator, is driven from the line shaft.

Where machines are wanted to be equipped this way, they must be especially ordered as

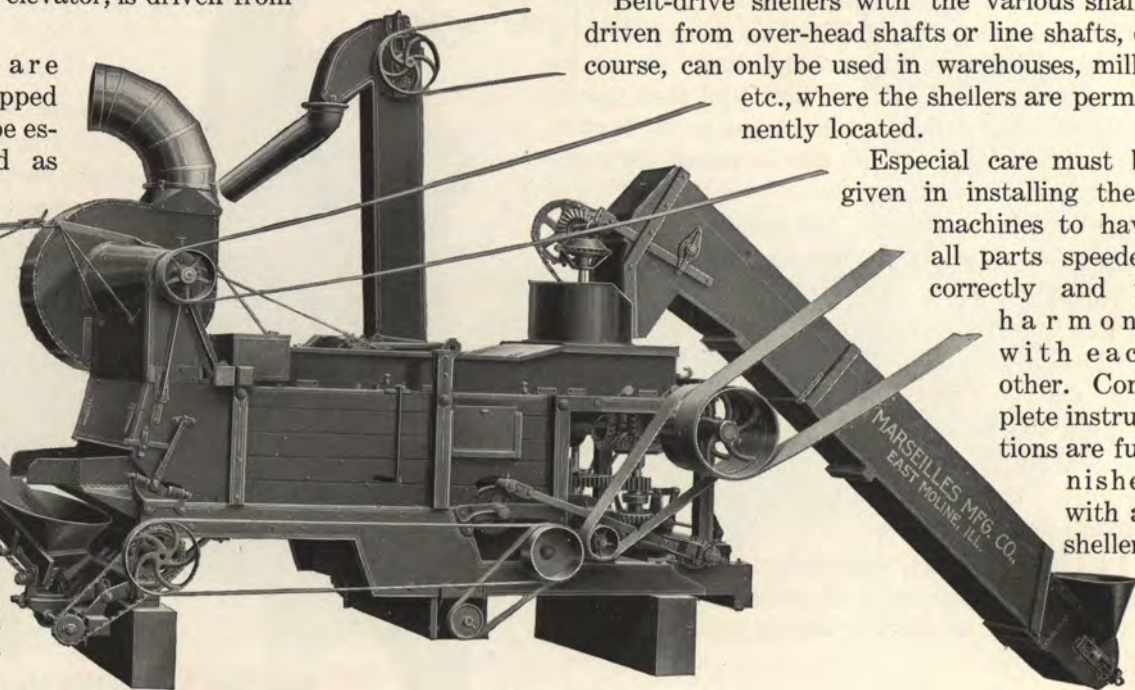
the regular chain-driven machine is regularly furnished.

Orders should also specify whether they should be furnished with shuck separator fan and blast fan-driven with long belt from the right-angle shaft, as shown on page 39, or with shuck separator fan-driven from overhead shaft, as illustrated and described herewith.

The sheller illustrated has cob stacker and swivel extension feed. Belt-driven shellers can be furnished without this, and the same as the shellers illustrated on pages 46 and 47, when so desired.

Belt-drive shellers with the various shafts driven from over-head shafts or line shafts, of course, can only be used in warehouses, mills, etc., where the shellers are permanently located.

Especially care must be given in installing these machines to have all parts speeded correctly and in harmony with each other. Complete instructions are furnished with all shellers.



New Marseilles Dustless Cylinder Sheller Equipped with Belts for Use in Warehouses

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

The Two-Hole Marseilles-Adams "Spring" Shuck Corn Sheller

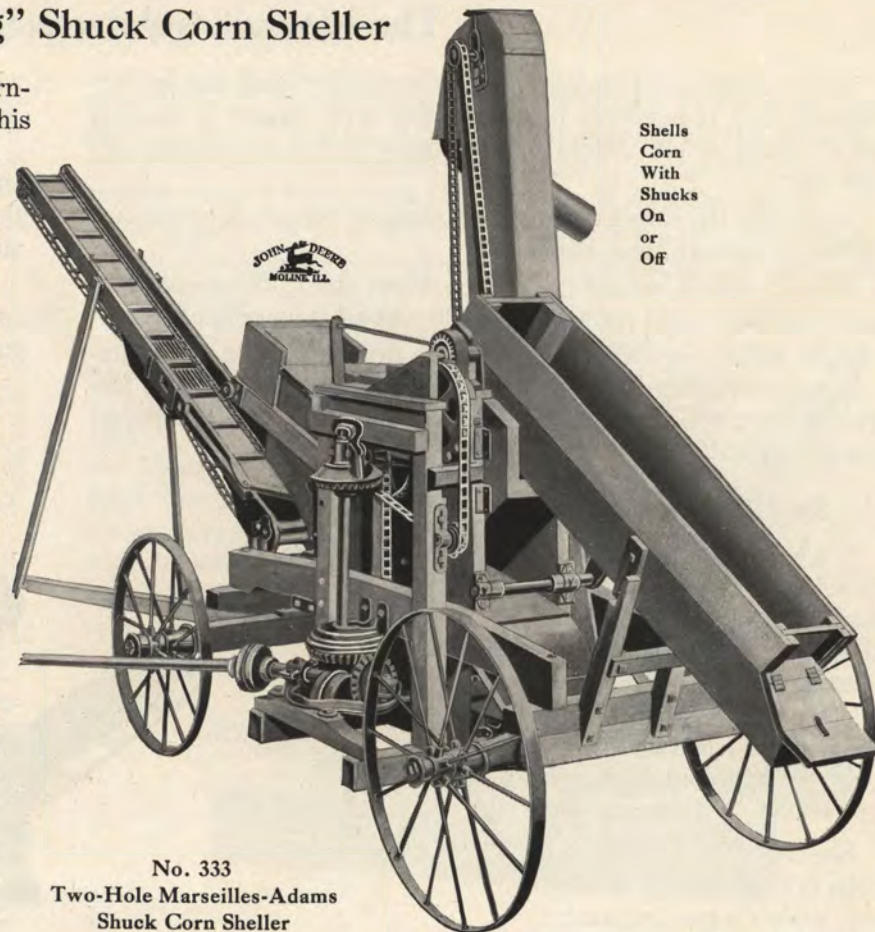
WHILE fully adapted for general use throughout the corn-growing sections for shelling corn that has been husked, this machine is more especially adapted to sections where, through custom or necessity, corn is gathered with the husks in part or wholly left on, and where shuck shellers of so large a capacity or cost as our smallest size No. 1 Marseilles Dustless Cylinder Shuck Shellers is not practical.

This ADVANTAGE TO A PURCHASER OF A MARSEILLES SHUCK SHELLER is that he can shell husked corn equally as well as with any other sheller, and in addition thereto, can do perfect work in shelling unhusked corn which no other machine of the "Spring" Sheller type can do, owing to the extreme difficulty of separating husks and cobs from the shelled corn. These machines do thorough work in shelling the corn clean from the cob, also in separating it from cobs and husks, cleaning it perfectly for market.

Capacity (based on American corn) with six-horse power, either steam or horse: Husked corn, 90 to 140 bushels per hour; corn with husks on, 30 to 60 bushels per hour.

These machines are furnished either mounted on trucks for portable use, as shown on this page, or in the "down" style (without trucks) for stationary use in warehouses, grain elevators or mills, as shown in illustration on the following page.

Either the mounted or down styles may be furnished with pulley for operating by belt-power, or with gearing for operating by horse power.



Shells
Corn
With
Husks
On
or
Off

No. 333
Two-Hole Marseilles-Adams
Shuck Corn Sheller

MARSEILLES COMPANY. EAST MOLINE, ILLINOIS.

The Marseilles-Adams Shuck Corn Sheller

Drive pulley is 11 inches by 6 inches (other sizes can be furnished), and is regularly placed on the bevel runner or balance wheel shaft, which should have a speed of 730 revolutions per minute.

Six-Horse Hercules Powers, either down or mounted, can be furnished to operate these machines.

Speed: Bevel runner or balance wheel shaft, 730 revolutions per minute; straight runner shaft, 190 revolutions per minute.

Belt shellers regularly equipped with drive pulley on bevel runner shaft. Regular pulley, 11-inch diameter by 6-inch face, furnished when not otherwise specified. Other sizes can be supplied when desired.

Shells Shuck Corn

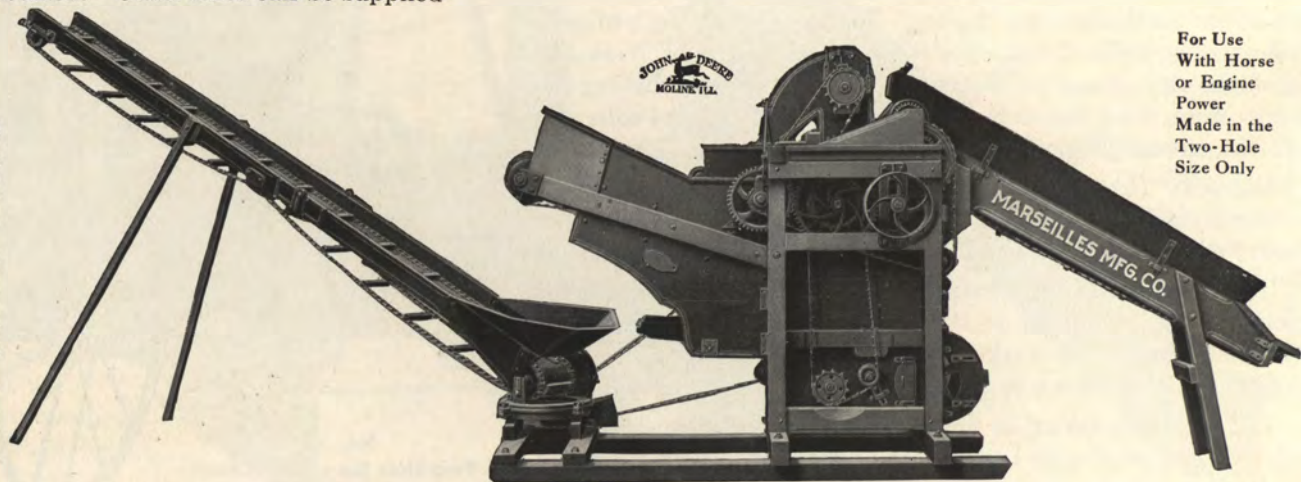
The Marseilles-Adams Shuck Corn Sheller, in the feeding throat, is constructed the same as our CycloneCombination Force-Feed Shellers, and the unhusked corn is fed to sheller, husked and shelled by same device and by same process as in those shellers.

Shelled corn, husks and cobs fall together from shell- ing wheels upon separator,

which keeps husks and cobs thoroughly agitated and in a continuous forward movement until discharged from the sheller.

The shelled corn is thus all taken out from the husks and cobs, and drops upon the grain screen beneath, where it is subjected to the blast from the fan and cleaned from the chaff, cob, tips, silks, and other dirt.

From the grain screen it falls upon the screw conveyor and is delivered to the elevator, which takes it up and delivers it into the wagon box, car, bin or sack, as desired.



For Use
With Horse
or Engine
Power
Made in the
Two-Hole
Size Only

No. 326 Two-Hole Down Belt Shuck Sheller

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Marseilles Horse Powers

IN furnishing a corn sheller, portable elevator, feed grinder, or, in fact, any other machines operated by horse power, it is of utmost importance that the horse power be strong, durable and smooth-running. For many years special attention has been given the subject of horse powers, and the Marseilles line now is the most complete on the market.

It comprises everything from one to twelve horses, single, double or triple-gear. The entire line of Marseilles horse powers is up to the Marseilles standard and backed by more than thirty years' experience, which gives assurance of well-tried-out, reliable goods.

The famous Hercules line of triple-gear powers is unsurpassed for efficiency and durability. This line is furnished in a large variety of speeds for operating all sorts of machinery.

The single-gear is a one-pinion horse power, to the pinion shaft of which the tumbling rod connects. It is of the slow-speed class of powers. The tumbling rod revolves from 22 to 31 times per minute, according to the size of power.

Description Nos. 1, 4 and 6 are single-gear powers. The principle of construction is simplest possible. These powers are applicable to any and all uses within the limit of their stipulated horse power, or their range of speed. When used with a speed jack, such speed may be obtained as to adapt them to very general use. The double-gear is also a one-pinion power, similar to the single-gear of corresponding size, but having additional thereto a second shaft of increased speed, to either end of which the tumbling rod may be

connected. If connected to the first or master pinion shaft, the speed given will be same as that of the corresponding size of single-gear power, but if connected to second shaft, the tumbling rod will revolve from 67 to 93 times per minute. With a speed jack such speed is attained as to adapt these powers for use in operating machinery requiring high speed. Description Nos. 2, 5 and 6½ are of double-gear powers.

The No. 6 One-Horse Single-Gear Power is light, strong and durable, having one lever and lead pole (arranged same as the No. 6½ power illustrated herewith). This power may be operated either with the horses turning to the left, as they are most commonly used, or the reverse. This change is accomplished by changing the draw-hook in lever to opposite side, reversing the lead pole and staking the power from the opposite direction.



No. 6½ Horse Power

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Horse Powers—Continued

Length of the lever is 10 feet from center of master-wheel to draw-hook in out end of lever; thus, the horse travels the circle three times per minute and revolves the tumbling rod $7\frac{1}{2}$ times to the horse's once around, or $22\frac{1}{2}$ times per minute. The tumbling rod revolves over with the movement of the horse.

The No. $6\frac{1}{2}$ One-Horse Fast Motion Power is a light, compact, strong and durable power of sufficiently high speed to adapt it to a great variety of uses for running light machinery requiring not to exceed one-horse power to operate. The length of lever is 10 feet from center of master-wheel to draw-hook in the out end of lever; thus, the horse travels the circle three times per minute and revolves the tumbling rod $22\frac{1}{2}$ times to the horse's once around, or $67\frac{1}{2}$ times per minute. The tumbling rod revolves over against the movement of the horse on the slow shaft. The second or fast shaft extends through the power and is squared at both ends so that the tumbling rod can be turned either way.

Our No. 255 Two-Horse Hercules Triple-Gear Power is constructed on the best-known mechanical principles. It has three bearings on master-wheel, three central bearings on pinion; the entire gearing parts are set upon one solid main casting, which alone is attached to the wood frame, thus, loose joints, shrinking or twisting of the wood frame can in no way weaken or affect the operation of the power. The center board on which the driver stands is stationary; the power runs very easily, does not jar or tremble, is very compact, and is a high-speed power especially adapted for running corn shellers, wood saws, feed cutters, portable elevators, etc. It is low-priced, very compact in form,

strong and perfectly proportioned in all its parts. It is either a left-hand or right-hand power. The tumbling rod can be attached at either end. The length of lever, from center of master-wheel to draw-hook in the out end of lever is $11\frac{1}{2}$ feet, thus, the horses travel circle two and three-fourths times per minute and revolve the tumbling rod 35 times to horses' once around, or 95 revolutions per minute. For either one or two-horse service, this power has no superior. It can be geared to 41, 55 or 27-speed to one round of horses when so desired.

When furnished with our portable elevator, it is fitted with the 35-speed gear, which gives the tumbling rod from 75 to 100 revolutions per minute.



No. 255 Two-Horse Hercules Triple-Gear Power

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Hercules Triple-Gear Horse Power

Four and Six-Horse

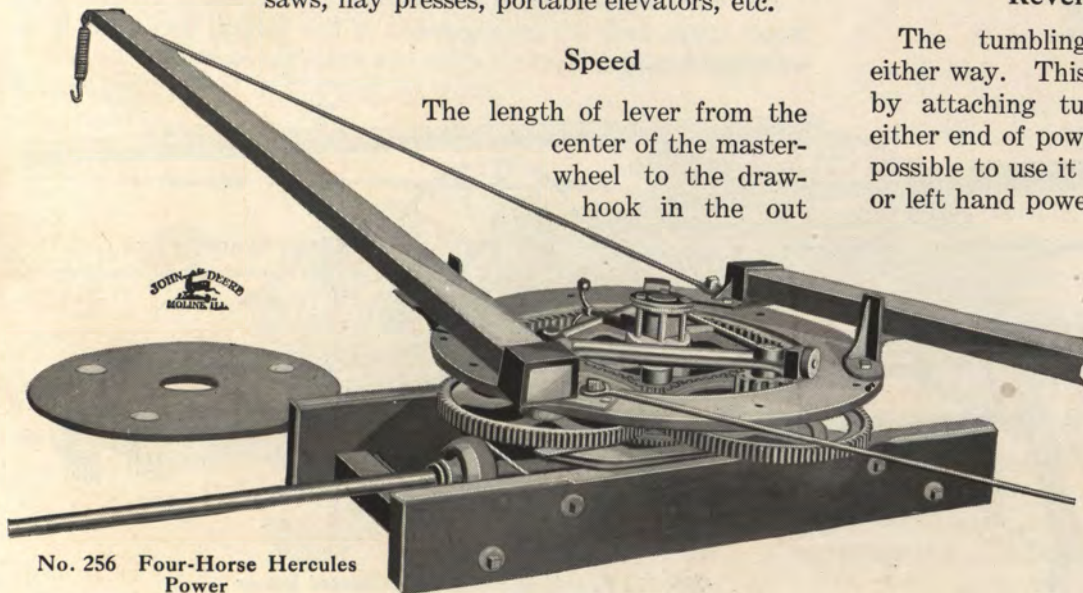
THE Four and Six-Horse Hercules Powers, in their principle of construction, are described in the general remarks on the preceding page.

They are exceptionally strong, compact in form, durable, well made and of good finish.

We recommend these powers for corn shellers, feed grinders, wood saws, hay presses, portable elevators, etc.

Speed

The length of lever from the center of the master-wheel to the draw-hook in the out

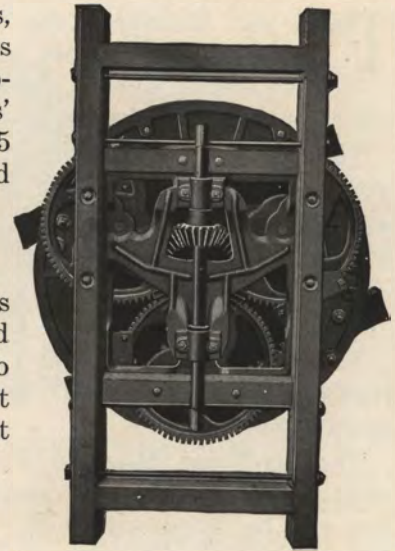


No. 256 Four-Horse Hercules Power

end of the lever is $11\frac{1}{2}$ feet; thus, the horses travel the circle $2\frac{3}{4}$ times per minute, and revolve the tumbling rod 56 times to the horses' once around the circle, or 155 revolutions of the tumbling rod per minute.

Reversible

The tumbling rod revolves either way. This is accomplished by attaching tumbling rod to either end of power, and makes it possible to use it as either a right or left hand power.



Bottom View of Hercules

Notice—The regular speed of either down or mounted is 56 to one round of horses, but they can be geared to 15, 22, 27, 31, 35, 40, 47 or 86-speed when desired and especially ordered.

MARSEILLES COMPANY. EAST MOLINE, ILLINOIS.

Hercules Four and Six-Horse Mounted Powers

THIS cut illustrates the Four and Six-Horse Hercules Mounted Power. They are the same as the down power, illustrated on page 53, except that they have longer sills and are mounted on trucks for convenience.

They are very convenient and excellent powers, and those we would recommend to go with all two-hole mounted shellers especially. The general description is the same as for the down powers. The rod turns over with the horses.

Four and Six-Horse Power

The Four-Horse Mounted Power is regularly furnished with 27, 40 or 86-speed gears.

The Six-Horse Mounted Power is regularly furnished with 56-speed gears, but can be fitted with either 40 or 86-speed gears.

They are also furnished with equalizers.

Larger Powers

The Hercules Mounted Powers are furnished in larger sizes when so desired.

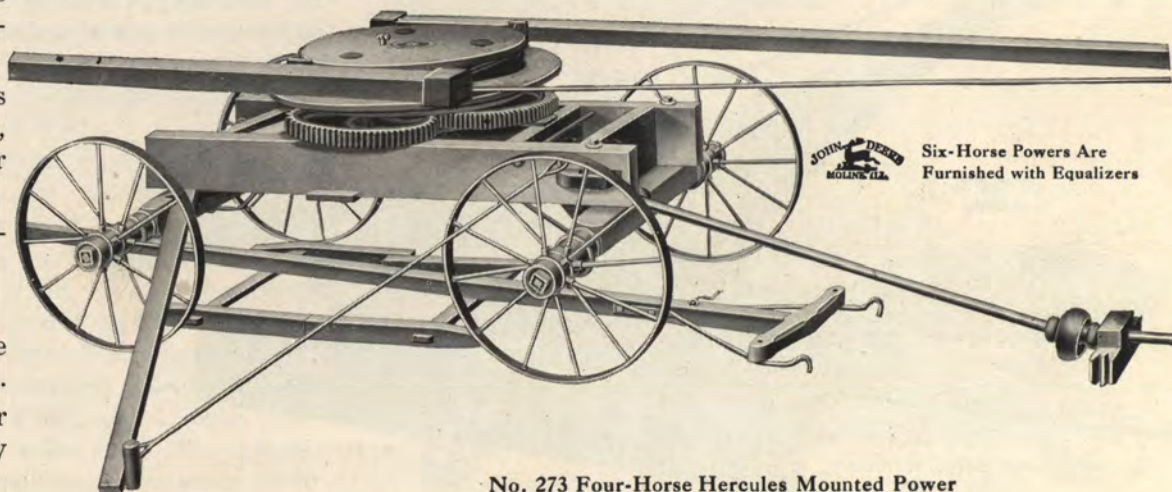
Choice is given to eight, ten or twelve-horse power whichever may be required to do your work.

Eight and Ten-Horse Power

No. 299 Eight-Horse and No. 301 Ten-Horse Hercules Mounted Powers are the same in detail construction, except changes to meet the difference in size, strength and the number of horses that are to be used.

These powers correspond to the down powers of the same size, except the mountings.

However, because of some necessary differences in the main wood frame and the arrangement of the levers, they cannot be used interchangeably.



Six-Horse Powers Are
Furnished with Equalizers

No. 273 Four-Horse Hercules Mounted Power

MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

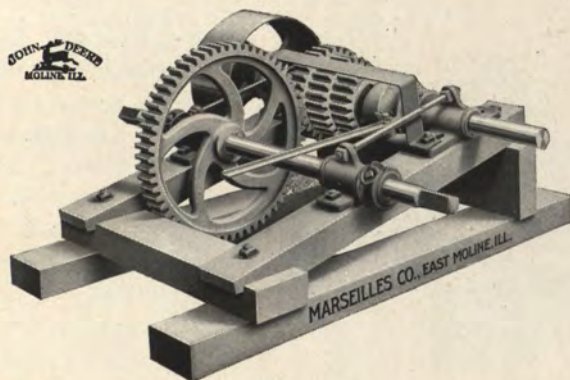
Speed Jacks

MARSEILLES Speed Jacks are specially designed to furnish a very simple means of adapting shellers and other machinery to belt power. That is, a speed jack is to make it possible to run a sheller by belt power, which was originally fitted for horse power or by horse power if fitted for belt.

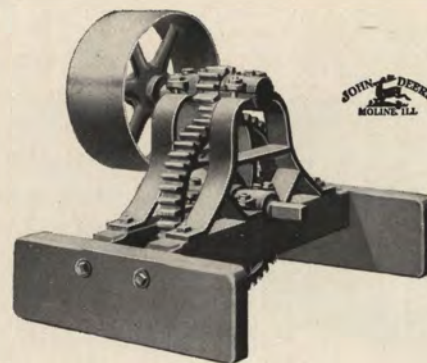
These speed jacks are to be used in connection with horse powers for increasing or diminishing speed, or changing direction of rotation of tumbling rod. Also for changing from tumbling rod to belt connection with machine to be driven.

The list prices of all jacks are with 16-inch pulleys or smaller. Larger pulleys will be charged for extra.

No. 767 Variable Speed Jack has three speeds, driving the tum-



No. 767 Variable Speed Jack



No. 8 Spur Jack

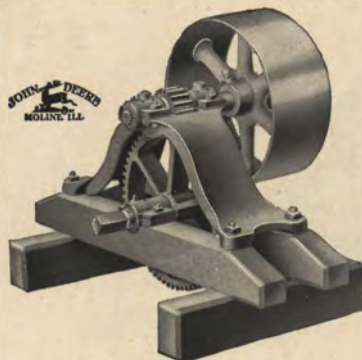
bling rod shaft one revolution to every two, two and one-half or three revolutions of pulley shaft. Rod shaft square on both ends for $\frac{7}{8}$ -inch coupling. Pulley shaft is $1\frac{3}{8}$ -inch diameter. It is fitted with special clutch coupling and shifting lever so engine can be started before throwing on load or elevator stopped without stopping engine.

This jack is recommended for use in reconciling the high speed of a gas engine to the slow speed required by other machines.

No. 8 Spur Jack. This speed jack is strong enough to be used with any power up to twelve horses. It gives to the band wheel four revolutions to one of any tumbling rod to which it is connected. This makes a very desirable speed jack for many purposes, other than use with sheller.

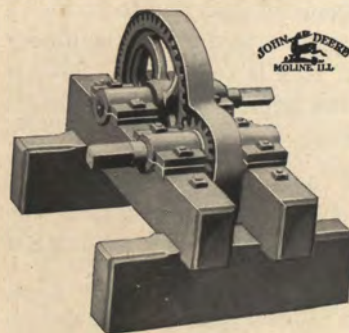
MARSEILLES COMPANY, EAST MOLINE, ILLINOIS.

Speed Jacks—Continued



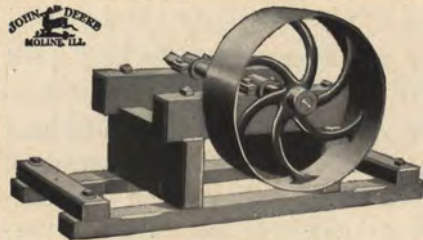
No. 11 Pony Jack

No. 11 Pony Jack. Sufficiently strong for use with any power up to six horses. These jacks are strong and durable. They transmit the motion at right angles with the tumbling rod and give to the drive pulley four revolutions to one of any tumbling rod with which connected.



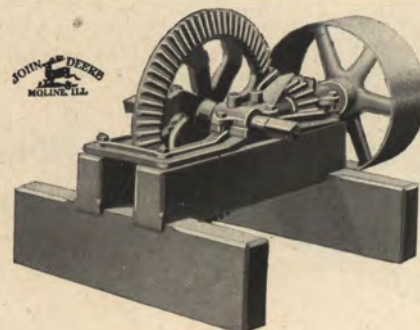
No. 311 Intermediate Jack

No. 311 Intermediate Jack. This jack is intended to be placed between the tumbling rods to increase the speed of powers. We can furnish varied speeds from $1\frac{1}{8}$ to 1, to 3 to 1.



No. 12 Straight Jack

No. 12 Straight Jack. This jack is designed to reconcile rather than raise speed. It transmits to the drive pulley just the speed of the tumbling rod. Its use is to reconcile the motion of high-speed powers to belt shells and other machinery.



No. 224 Bevel Jack

Nos. 224 and 253 Bevel Jacks transmit motion in a line with tumbling rod. No. 224 is for use with any power up to six horses. No. 253 is for use with any power up to ten horses. No. 224 gives to the drive pulley three revolutions, and No. 253 gives four revolutions to one of any tumbling rod with which connected.

JOHN DEERE SALES ORGANIZATION



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