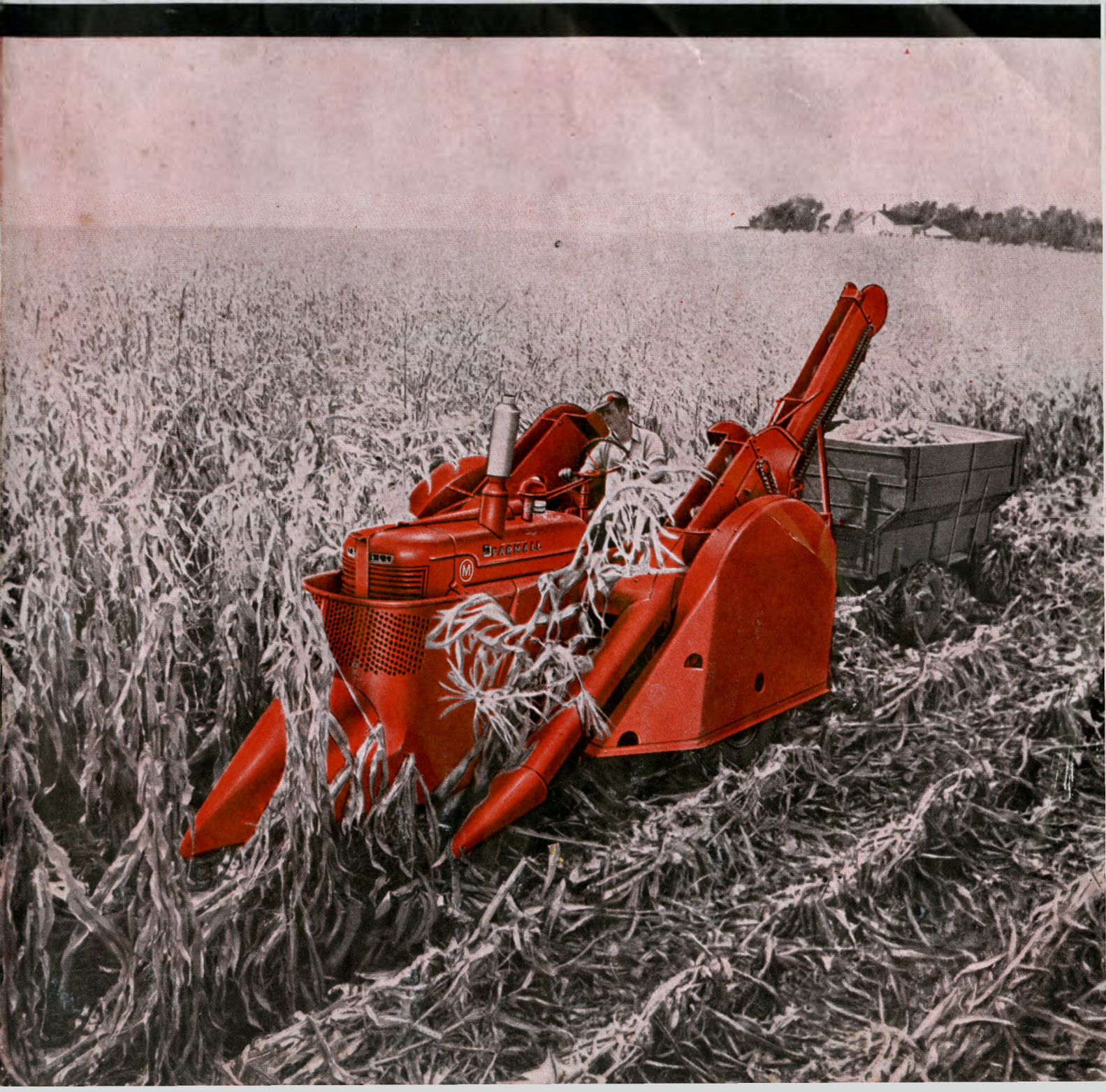


**M c C O R M I C K**



# **No. 2M corn picker**

**TWO-ROW MOUNTED**





# No. 2-M

## TWO-ROW MOUNTED CORN PICKER

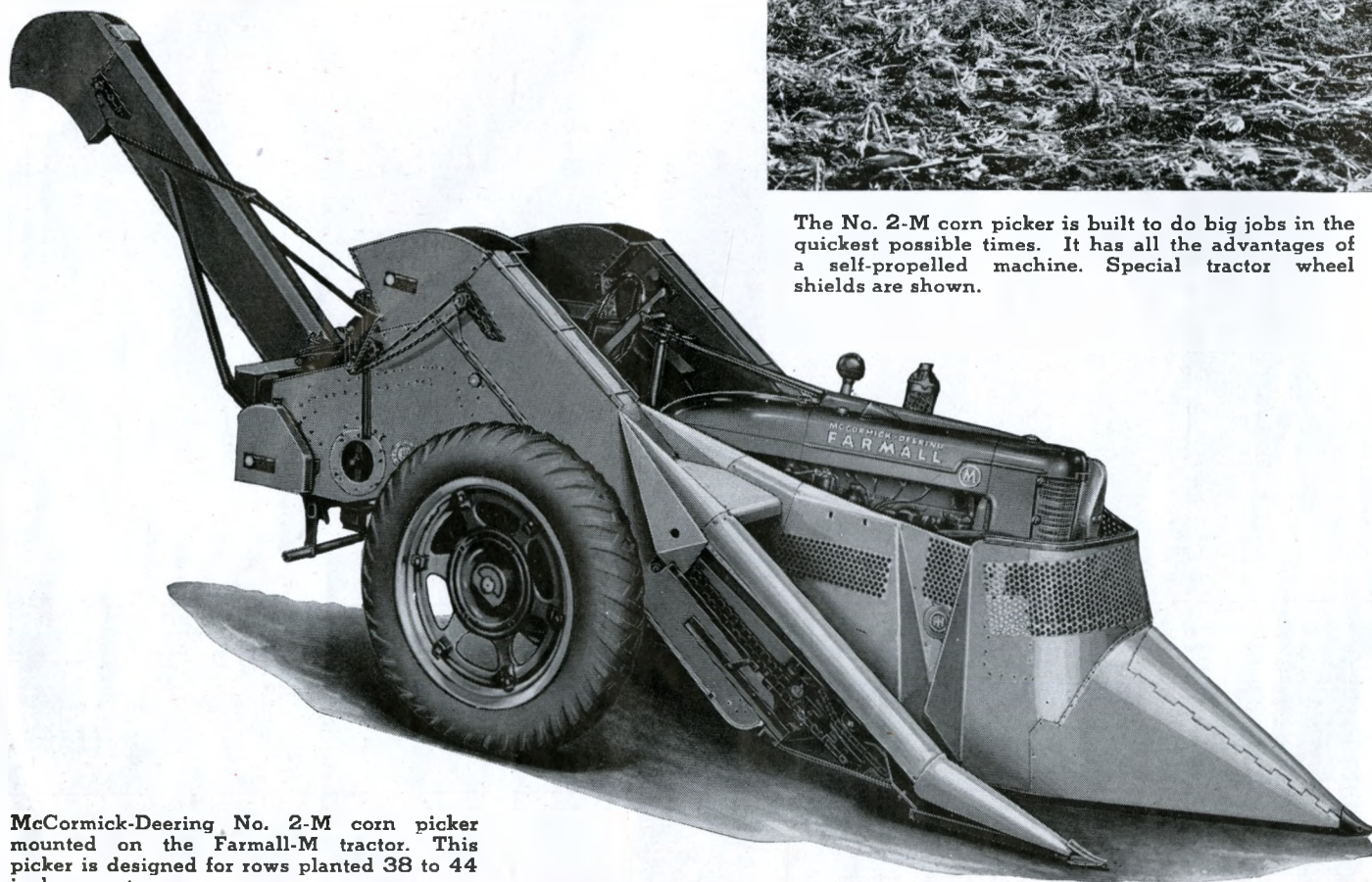
## Built for the Farmall M, F-20 and F-30 Tractors

**T**HE No. 2-M is a distinctly heavy-duty corn picker, offering maximum capacity, and is easily capable of harvesting  $1\frac{1}{2}$  to 2 acres an hour of high yielding corn. It is built expressly for the Farmall-M, F-20 and F-30 tractors.

Fields can be opened any place without previous hand picking or running over any unpicked corn. This saving in time means that more corn can be picked in a day and that the corn will be in the crib sooner. The fact that the picker can open up a field at any point permits the operator to choose his location to work, passing up the wet spots or irregular portions of the field until a more favorable time after the bulk of corn is picked. This often gains valuable time and saves corn.



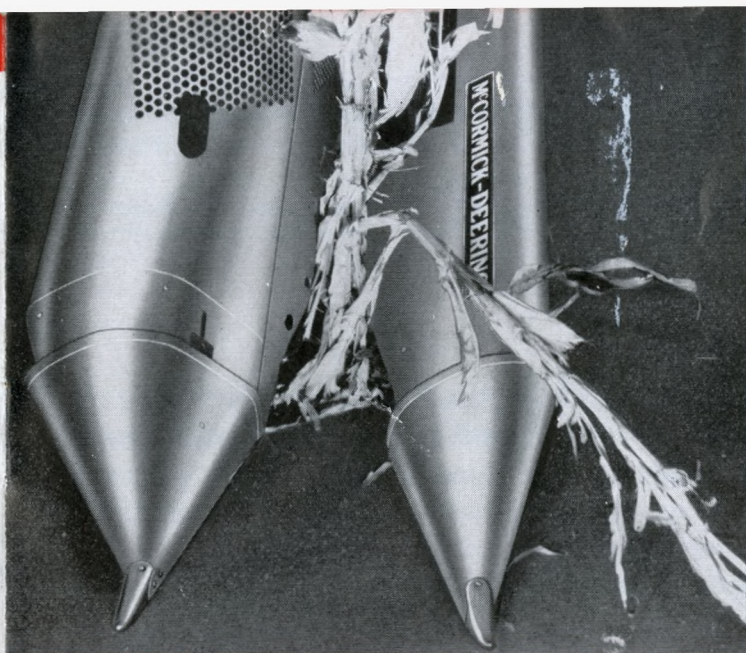
The No. 2-M corn picker is built to do big jobs in the quickest possible times. It has all the advantages of a self-propelled machine. Special tractor wheel shields are shown.



McCormick-Deering No. 2-M corn picker mounted on the Farmall-M tractor. This picker is designed for rows planted 38 to 44 inches apart.

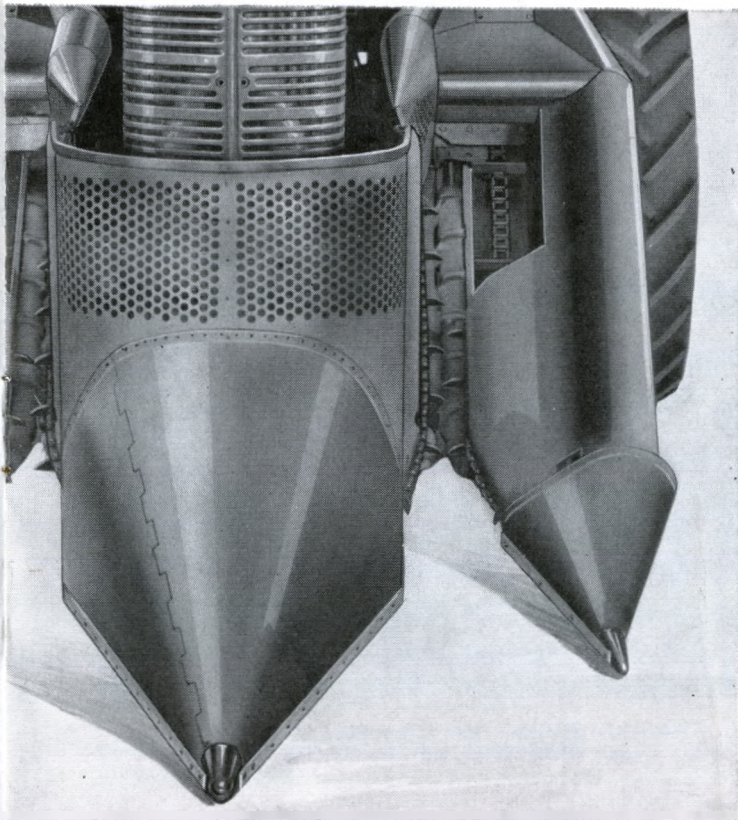


## No More Stooping to Get Ears from Down and Leaning Stalks



No matter how tangled or lodged the crop may be, the long sloping gatherers with their free-floating points will raise the stalks and guide them into the snapping rolls.

### FLOATING GATHERERS WITH HINGED POINTS



**E**VEN though the crop may be badly flattened by wind and weather, McCormick-Deering corn pickers get more of the corn than does ordinary hand husking. Every part of the gatherer unit is built to save the maximum amount of corn under all crop conditions.

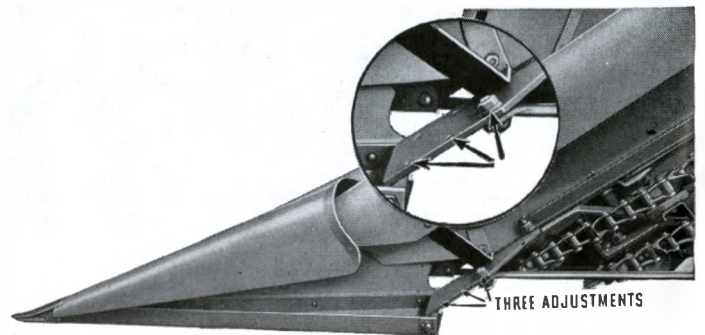
The gatherer points are hinged to float freely along the ground, raising the down stalks and untangling them gently without knocking off the ears. Wide gatherer sheets, set at a long easy slope, support the stalks and provide a smooth passageway to the rolls.

The gatherer chains are adjustable from three inches above the ground to a position where they just skim the ground. The lower ends are supported from **above** so that the supporting member does not interfere with the proper gathering of low-lying stalks.

A valuable feature found only on McCormick-Deering corn pickers is the flexible wing trash beater located at the upper end of the snapping rolls. As the beater revolves, the wings force the stalk ends, weeds, and other trash against the fluted section of the rolls so that this material is quickly expelled, thus keeping the husking bed clean.

(Left) The center divider on the No. 2-M corn picker is long and sloping to pick up the down corn and to smoothly guide the stalks into the picker. Note the deep, wide throat and free-floating gatherers.

(Below) Three convenient height adjustments on the gatherer chains permit ample chain adjustment to fit variable crop conditions. These adjustments regulate the height of the bottom end of the gatherer chain from ground level.





# No. 2-M

## TWO-ROW FARMALL CORN PICKER

# This Picker Will "Open" Without Running Over

### Easy to Keep on Rows

The No. 2-M operator has a good view of his work and finds it easy to keep this picker straight on the rows. It is well-balanced without side draft and is mounted so that it adds traction to the tractor wheels on slippery ground. A height adjustment permits the proper working angle of the snapping rolls regardless of the tractor wheel diameter or tire size.

The No. 2-M has duplicate snapping and husking units which are arranged on each side of the tractor. Convenient tilting levers permit adjusting each gatherer unit independently. An individual elevator for each snapping unit provides for more gentle handling of the corn to avoid shelling. The use of a trash

beater at the top of each snapping roll elevator keeps it free of trash. Thus, the husking bed is kept free for maximum husking capacity. An ear forwarder, composed of an endless chain with rubberized canvas paddles, keeps the ears moving parallel to the rolls. This also helps to utilize the full surfaces of the rolls to remove husks.

### Convenient to Assemble

The No. 2-M corn picker is designed for convenient assembly in easily handled units and self-contained lifting jacks are provided as regular equipment. Because the No. 2-M is mounted it is easy to transport from one field to another. There is no time lost between jobs and a narrow overall width permits travel on narrow lanes, across bridges, etc.



Corn picking is soon done when the No. 2-M corn picker is used. With this machine corn is handled in a direct line from the snapping rolls all the way through the delivery elevator to the wagon which is pulled directly from the tractor drawbar.



# Fields Anywhere Unpicked Corn Rows

If you have a Farmall-M, F-20 or F-30 tractor and want a large-capacity corn picker it will pay you to investigate the No. 2-M Farmall picker.

Suitable for rows planted 38 to 44 inches apart.

## Regular Equipment

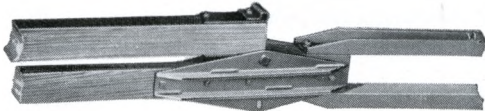
Attaching parts for Farmall-M, F-20, and F-30 tractors (standard or narrow tread), as specified. All-purpose snapping rolls. Rear-delivery elevator. Parts for hinging wagon tongue. Engine shield parts. Lifting jacks.

## Special Equipment

Parts to adapt picker to pneumatic-tired F-20 and F-30 Farmalls. Tractor wheel shields. Rubber husking roll attachment. Trash eliminator attachment. Wagon box side extension boards.

## Specifications

Width overall.....8 ft. 9 in.  
Length overall.....26 ft. 9 in.  
Height overall.....9 ft. 11 in.  
Approximate weight.....3350 lb.



a. (Above) Hinged wagon tongue shown attached to picker draft bar.

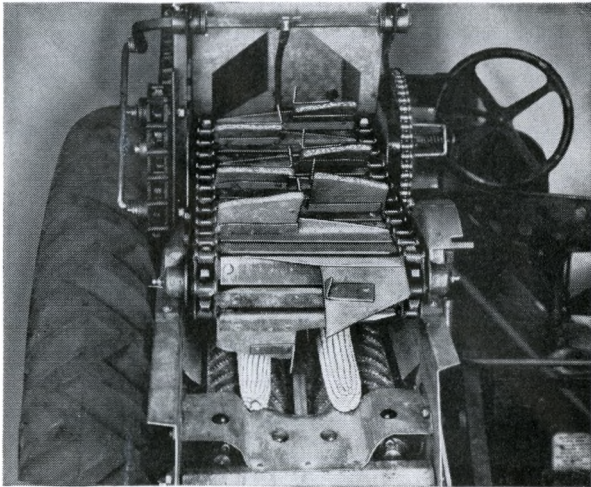
b. (Below) Hinged wagon tongue arranged for horse use. The two halves are held together rigidly by the hinge.



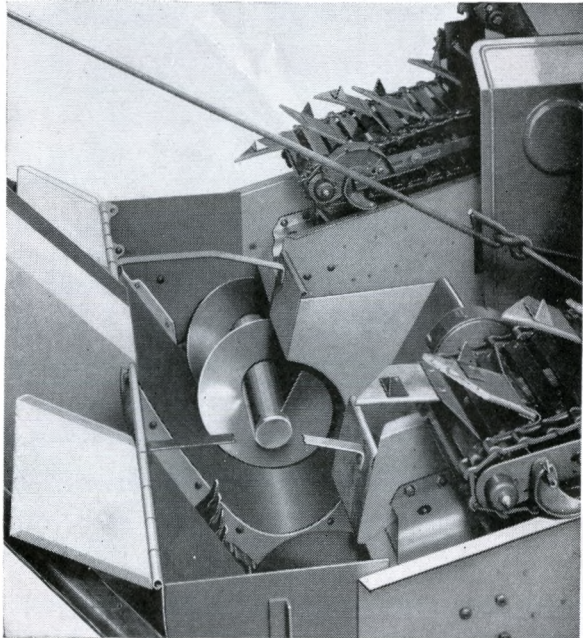
Parts are supplied with all Farmall pickers for making a hinged wagon tongue so that wagon can be trailed the proper distance behind tractor. Tongue can be quickly rearranged for use with horses.



One man operating a two-row Farmall picker can pick, husk, and load from 16 to 20 acres a day. Fields can be opened anywhere.



Movement of the ears over the husking rolls is controlled by an adjustable ear forwarder equipped with rubberized paddles.

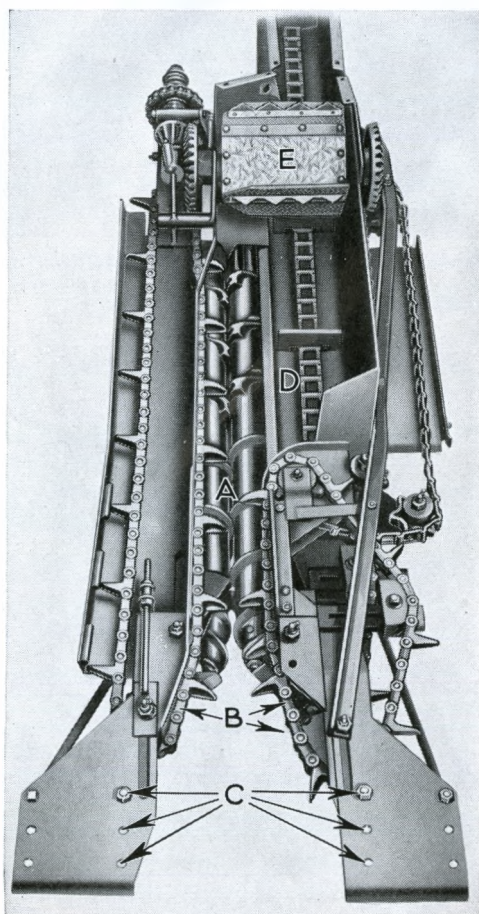


Open-end augers assure positive delivery of the ears from the husking compartment to the wagon elevator hopper. This prevents all possibility of clogging when corn is damp or when the machine is working on sidehills.

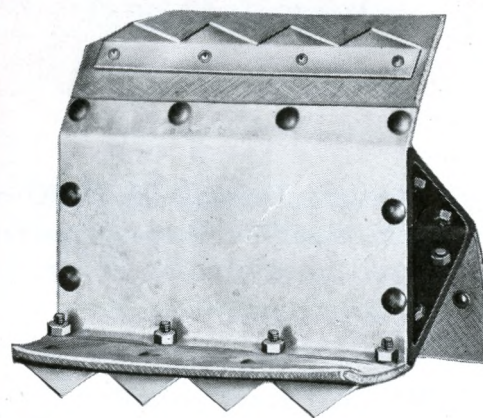


# EFFICIENT ALL-PURPOSE SNAPPING ROLLS

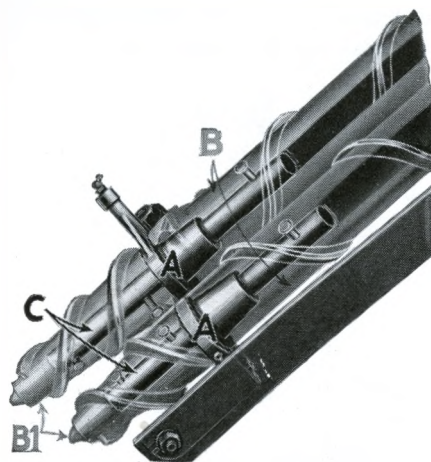
**A**LL McCormick-Deering corn pickers are equipped with efficient all-purpose snapping rolls which handle all varieties of corn—both open-pollinated and hybrid, also popcorn. The lower spiraled portions of the rolls carry the stalks upward to a point where they are clear of the outer gathering chain before the lugged portions of the rolls snap the ears off the stalks. This construction prevents the chain interfering with the ears and minimizes losses from shelling. Also, when the ear is snapped high up on the roll it has less distance to travel in the elevator, which also saves corn. There is also less interference by trash, which assures plenty of capacity even when operating in high-yielding corn.



The snapping roll assembly with gatherers removed, showing (A) snapping rolls; (B) gatherer chains; (C) height adjustment for gatherer chains; (D) first elevator; and (E) trash roll beater.



The beater wings are made of heavy rubberized canvas and have steel saw teeth to make them more aggressive.



Phantom view of roll construction and lower bearings, showing (A) bronze bearings; (B) spiraled portion of rolls; (B-1) detachable roll points; and (C) roll gudgeons.

A convenient adjustment is provided for setting the lower ends of the rolls closer together or further apart as picking conditions may vary. The open-end points are carried close to the ground to aid in clean picking without trash interference. This is made possible by locating the dirt-proof lower bearings above the roll point. The fluted upper section provides a positive grip to expel trash and weeds from the first elevator.



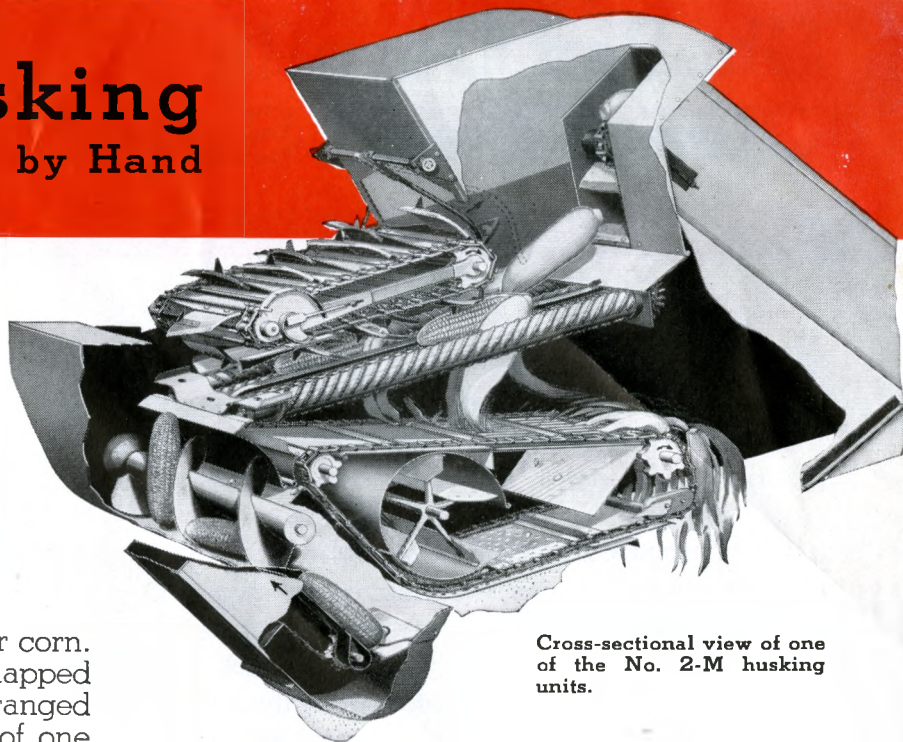
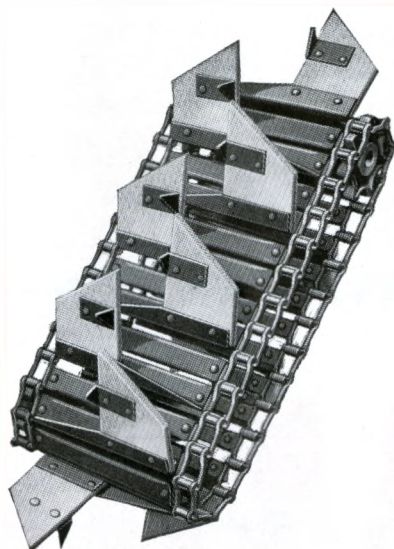
# Cleaner Husking

## Than is Ordinarily Done by Hand

**M**cCORMICK-DEERING pickers have highly efficient husking units designed to assure clean husking in practically all conditions. The quality of husking done is unsurpassed by any other mechanical picker and usually is cleaner than when done by hand huskers. Husks, silks, and trash are removed and any shelled kernels are cleaned and saved along with the ear corn.

Husking is done by passing the snapped ears lengthwise over a series of rolls arranged in pairs. The pairs of rolls, consisting of one rasp cast roll and one rubber roll, loosen the husks so that they are quickly caught between the rolls and pulled from the ears. Passage of the ears over the rolls is controlled by adjustable devices, assuring fast, clean husking. No. 2-M pickers have ear forwarders equipped with flexible paddles which apply the desired pressure to keep the ears down against the rolls. At the same time they move the ears forward to speed up the work. All pickers have devices for straightening the ears and preventing them from moving crosswise over

No. 2-M pickers are equipped with ear forwarders which control the movement of the ears over the rolls. Note the heavy rubberized paddles which hold the ears against the rolls.



Cross-sectional view of one of the No. 2-M husking units.

the rolls. The husking rolls are 36 inches long. The No. 2-M mounted corn pickers have ample husking capacity to assure a clean job of husking without loss of shelled corn.

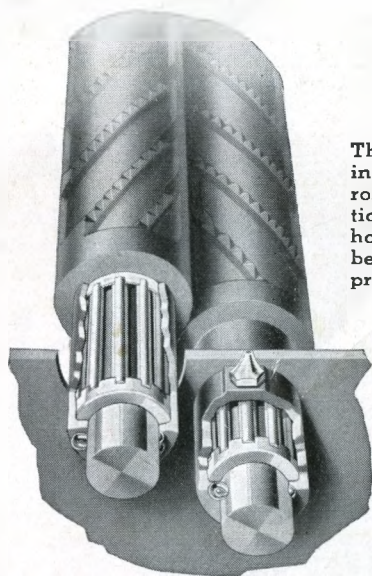
Husking roll assembly of one unit of the No. 2-M corn picker. Rubberized rolls are available in place of the two outside rasped cast rolls.



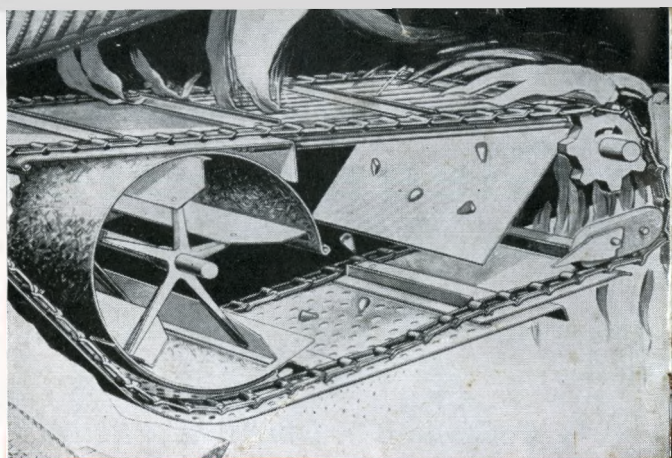


# Shelled Corn is Cleaned and Saved

**W**HEN picking corn that is very dry, a certain amount of shelling is apt to occur in the husking operation. All such kernels are cleaned and saved with McCormick-Deering corn pickers. Underneath the husking rolls is a slatted conveyor which carries the husks and trash rearward and expels them on the ground. Any shelled corn present in the trash is separated at the grated surface over which the conveyor travels. An air blast from the cleaning fan blows away the silks, dirt, and light trash, while the heavier kernels fall through the



The husking rolls operate in pairs and revolve on roller bearings. Illustration shows the bearing housing cut away. All bearings are fitted for pressure-gun lubrication.



All McCormick-Deering pickers are equipped with a shelled corn saver and cleaning fan.

grate. The shelled corn is then conveyed to the ear corn hopper and is elevated into the wagon along with the ear corn.

## Augers Prevent Clogging

The movement of the ears through the machine is positive and fully controlled at all points. There is no clogging due to the ears "piling up" when damp or when working on sidehills. No. 2-M pickers are equipped with augers, assuring positive delivery of the ears from the husking rolls to the wagon elevator.

## Rolls Protected by Pressure Springs

Each pair of husking rolls is equipped with adjustable pressure springs which allow the rolls to yield and adapt themselves automatically to the volume of husks and trash passing through.

*Specifications subject to change without notice.*

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