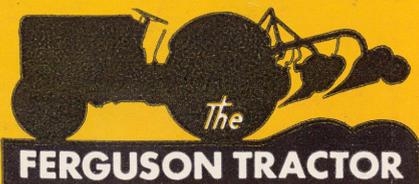


# The BELLE CITY CORN PICKER



FOR husking OR snapping

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THE FERGUSON SYSTEM  
of Mechanized Farming

# The Belle City Corn Picker

## a ONE-MAN, ONE-TRACTOR

What will *you* buy for corn picking this year? Undoubtedly, it will be the most efficient machine you can find. And when you find that efficiency, and learn that it is also combined with low-cost, high-quality construction — you will find yourself looking at the Belle City Corn Picker-Snapper.

Top efficiency is assured because Belle City Engineers have applied over three quarters of a century's experience to the building of harvesting machinery, and specifically into the design and construction of this low-cost, high-quality unit.

Ferguson Engineers, working closely with Belle City Engineers, have added these touches of quality and conven-

ience . . . the famous Ferguson Finger Tip Control of gathering points, Mild Husking and Snapping Rolls . . . Ferguson High-quality Standard Nuts and Bolts . . . a High-speed Blower that helps deliver the cleanest, highest quality corn possible to the wagon elevator, and many other fine features.

Thus from *two* complete engineering groups comes today's Belle City Corn Picker. A Picker designed to lead the industry in low-cost, long-life construction and performance.

The result is a *lightweight* Picker that pulls *easily* to conserve power and fuel, and to handle bigger loads . . . a Corn Picker that is *fast attaching and detaching* and frees your tractor for the dozens of other everyday jobs during the corn-picking season . . . a Corn Picker that can give you fast, easy control of the gathering points by a mere movement of the Finger Tip Control Lever . . . and a Picker that can be *easily converted to a Corn Snapper*, or *adjusted* to a wide variety of crop con-

Power Take-off connection telescopes at the rear instead of at the front and uses a spring-loaded Lockpin to provide quick, easy locking to the Power Take-off.

V-belts are used throughout the Belle City Corn Picker to assure quiet, positive operation of all parts and to minimize shock and strain on shafts and bearings.

ditions to give you the cleanest, most efficient picking that modern Ferguson engineering and quality manufacturing can provide.

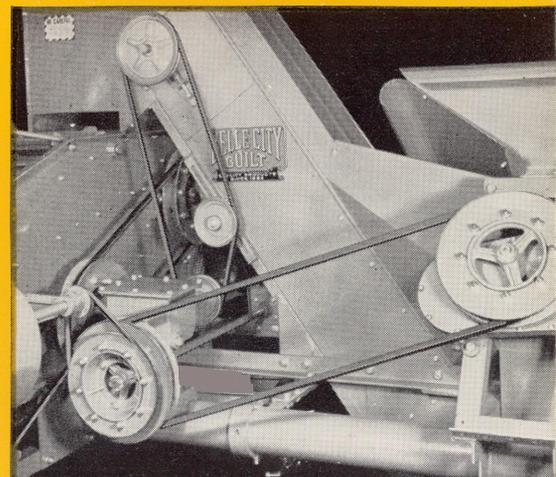
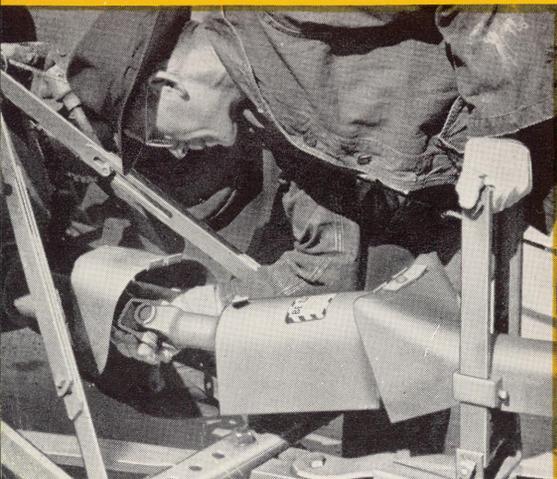
### Light Weight, Low Cost

Weight of the Belle City Corn Picker is reduced throughout by a modern design that utilizes a high-quality steel. With husking unit, the Belle City Corn Picker weighs approximately 1750 pounds. Equipped as a Corn Snapper, the weight is reduced to only 1500 pounds. The result is an easy-pulling unit that handles well on rough or rolling land, on contour or in soft fields. Draft is further reduced by the use of close to 60 antifriction bearings. The main drive, snapping roll drive and gathering chain drive are all quiet-running V-belts.

One additional feature that adds measurably to the light-draft, easy handling of the Belle City Picker is the straight-behind wagon hitch. The wagon with its corresponding load of corn is pulled in a *direct line* behind Tractor and Picker. Thus, Tractor and Picker are easier to handle because of the reduction of side-draft and "drifting" on hillsides.

### Fast, Easy Attachment

The Belle City Corn Picker is easily attached to the Ferguson Tractor without heavy lifting and straining. You simply use the tilt lever to raise or lower the Picker Tongue to the level



# UNIT for LOW-COST CORN PICKING!



of the tractor drawbar and insert the connecting pin. Power Take-off connection telescopes at the rear instead of the front and uses a spring-loaded lockpin to provide quick, easy locking to the Power Take-off. For Finger Tip Control you merely connect the Corn Picker hydraulic hose line to the control valve attached to the oil plug outlet of the tractor's ram cylinder cover.

## Finger Tip Control

Belle City Corn Pickers are available with or without Finger Tip Hydraulic Control of the gathering points. The almost perfect balance of the Picker over the axle makes the raising and lowering of gathering points by the tilt lever extremely easy. The length of the tilt lever is adjustable to bring it within easy reach of the tractor seat. For those who prefer to operate the Belle City Picker by Finger Tip Control, a hydraulic ram cylinder, control valve and connections are available as accessories. Simple attachment of the ram cylinder to the Picker

frame and to the hydraulic pump of the Ferguson Tractor provides the tractor operator with complete effortless Finger Tip Control of the gathering points.

## Built Better to Last Longer

Too often, corn picking demands that heavy yields be picked under adverse conditions. Such conditions demand that a corn picker be built with "reserve" strength in every moving part. It is under such adverse conditions that the true quality, stamina and smooth running efficiency of the Belle City Picker become apparent.

Precision-cut, heat-treated steel gears of the main drive are fully enclosed and run in oil to transmit a smooth flow of power from the Power Take-off to all units of the Picker. Other examples of quality and long-life construction are the enclosed, oil-filled snapping roll and gathering chain drive assemblies. Ferguson Standard Cadmium-plated Nuts and Bolts are used throughout the Corn Picker to



In turning, transport or field operation the light-weight, light-draft Belle City Corn Picker is an easy-handling machine.

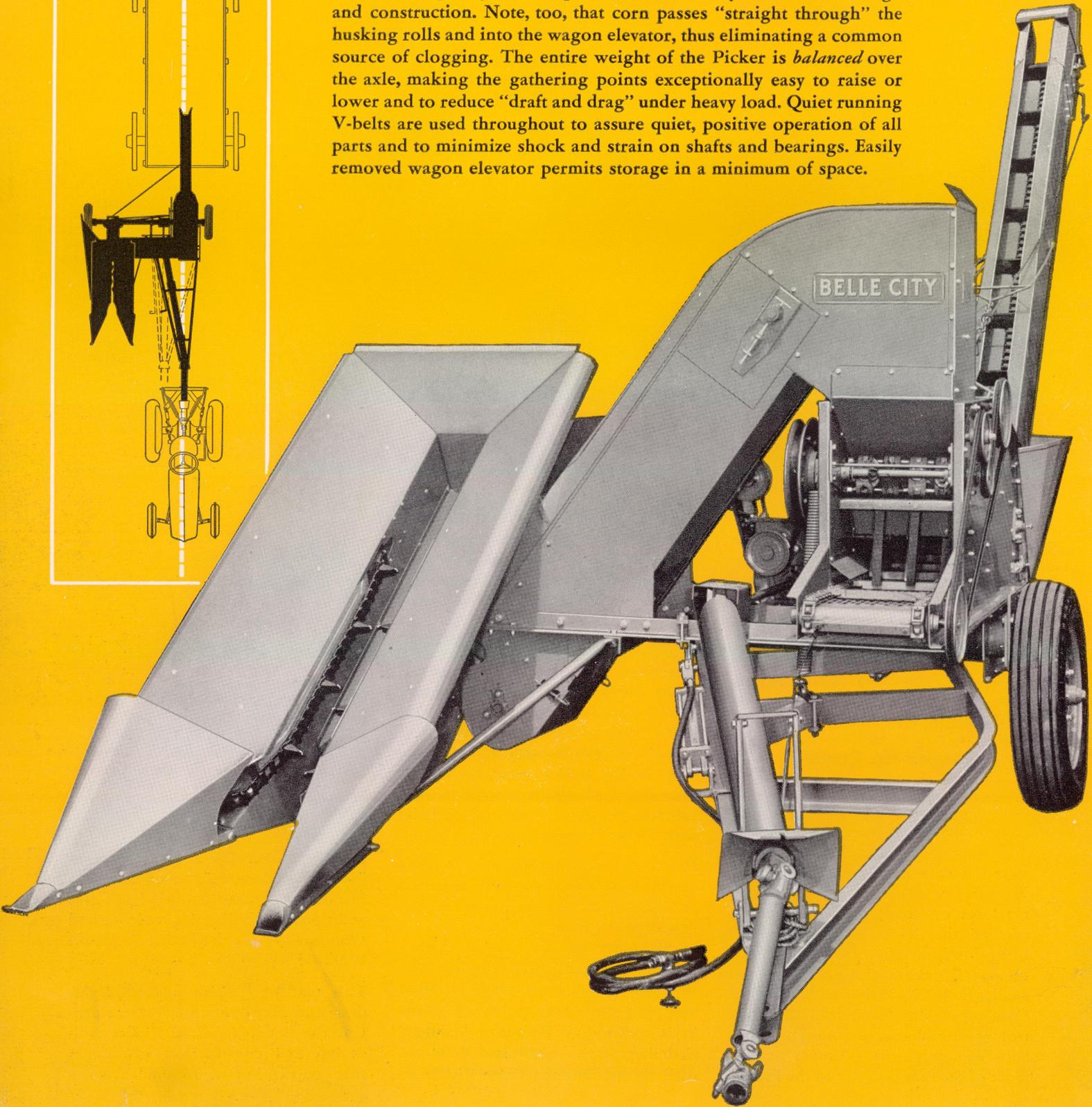
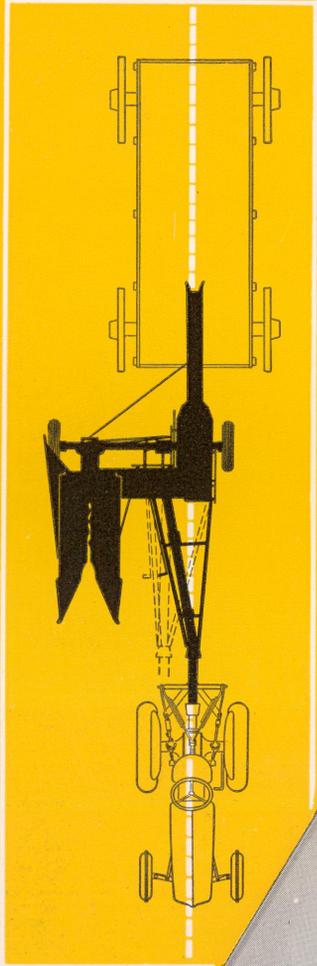
provide longer life and rust-free adjustment to closer tolerances. Ferguson Standard Interchangeable Wheels give additional flexibility, convenience and economy to owners of other Ferguson Wheeled Equipment.

This quality . . . these low-cost, light-draft and easy operation features provide the Belle City Corn Picker with design and construction advantages that you can buy with confidence.

# Years ahead

## IN LIGHT-DRAFT LONG-LIFE CONSTRUCTION

Note the simplicity and compactness of Belle City Corn Picker design and construction. Note, too, that corn passes "straight through" the husking rolls and into the wagon elevator, thus eliminating a common source of clogging. The entire weight of the Picker is *balanced* over the axle, making the gathering points exceptionally easy to raise or lower and to reduce "draft and drag" under heavy load. Quiet running V-belts are used throughout to assure quiet, positive operation of all parts and to minimize shock and strain on shafts and bearings. Easily removed wagon elevator permits storage in a minimum of space.

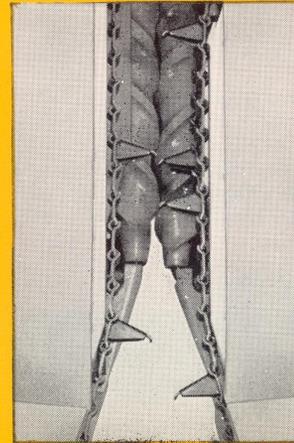


# FLEXIBLE, EFFICIENT gathering

Whether your corn is standing in clean, uniform rows or is a twisted mass of borer or storm-damaged stalks, assurance of the cleanest possible picking job is yours with the Belle City Corn Picker.

Easily adjusted, *floating* pickup points can be set to skim the surface of rough and uneven ground. Down stalks are picked up and delivered to the long tapered stalk guides with a minimum of breakage of dry or brittle stalks. Gathering chains extend 18 inches in front of the snapping rolls and to a

minimum of *one inch* from the ground to pick up the most evasive "down" stalks. A *third gathering chain* can be adjusted *in* or *out* over the rolls as may be required for light, damp, dry or heavy stalks. Gathering chains, of heavy-duty link steel, guide and hold stalks to the rear of the snapping rolls. Snapping-roll spacing is easily adjusted to crop and conditions from the outside of the machine. For a gentle snapping action, mild snapping rolls are available as accessories and can be substituted for the standard rolls for use in dry, brittle corn.



Gathering chains of heavy-duty link steel guide and hold stalks to the rear of the snapping rolls.



Stalks are picked up and delivered to long, tapered guides with a minimum of breakage or damage.

# GENTLE, CLEAN husking

Husking, the all-important operation of the Belle City Corn Picker, is accomplished *gently* to eliminate shelling, but *firmly* to provide the cleanest job possible.

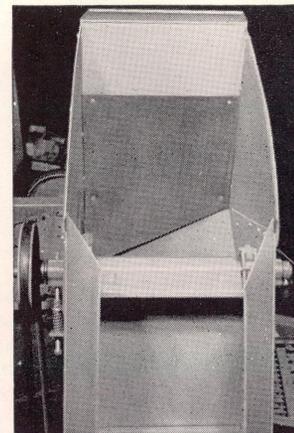
The large-capacity husking bed is equipped with two sets of husking rolls, each three inches in diameter and 36 inches long and mounted on roller bearings at each end. The two serrated, rubber-disc, outer rolls are held against the spiral, ribbed-steel center rolls by adjustable spring pressure. Fast, easy adjustment of spring pressure provides the proper tension for varied crop conditions.

All rolls are driven by precision-cut, heat-treated, bevel and spur steel gears. Ears are directed against the rolls by a floating steel adjustable apron equipped with rubber ear pushers. A husk rake and extended Shelled Corn Saver is provided below the husking rolls. Shelled Corn Saver with extra long slots in sieve, slow conveyor speed and sufficient husk agitators retain the most elusive kernels that pass the husking rolls. Any shelled corn which has dropped through the rolls and sieve passes over a fine dirt and trash sieve and is delivered to the elevator as clean corn.

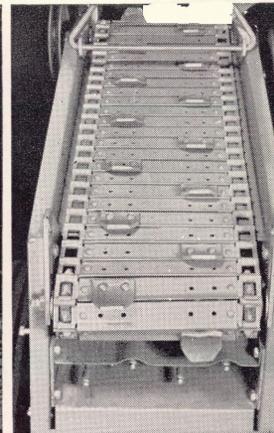
To reduce the aggressive action of the husking rolls in dry corn, smooth, laminated rubber discs are available to replace the standard serrated discs.

Further shelling is reduced by a rubber baffle sheet in the husk bed hopper that absorbs the shock of the ears as they are delivered from the first elevator to the husking rolls.

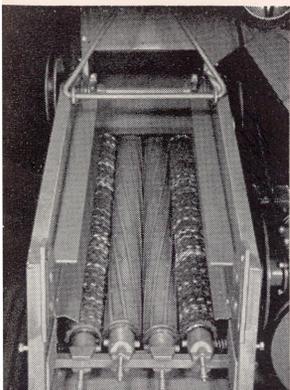
Fabric-reinforced rubber flights in the wagon elevator fit the trough securely to transport shelled corn to the wagon box and further minimize shelling in the wagon elevator.



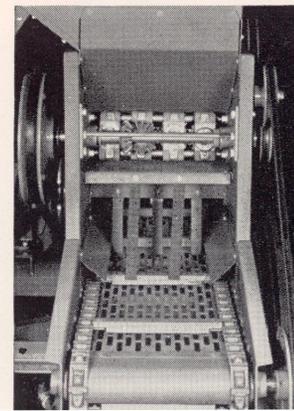
Above: Shock-absorbing rubber baffle sheet reduces shelling of corn in the husk bed hopper. Below: Shelled Corn Saver with slow conveyor speed and husk agitators saves kernels that pass husking rolls.

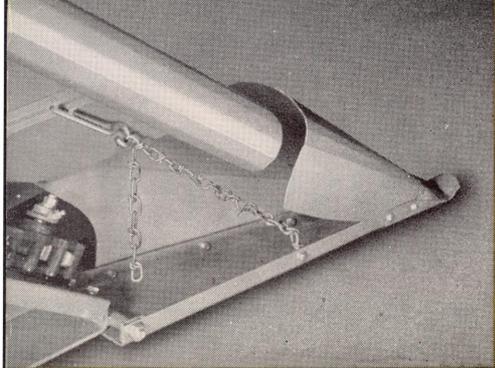


Above: Ears are directed against rolls by an adjustable floating apron with rubber ear pushers. Below: Rubber fabric elevator flights fit trough securely to transport shelled corn to the wagon box.

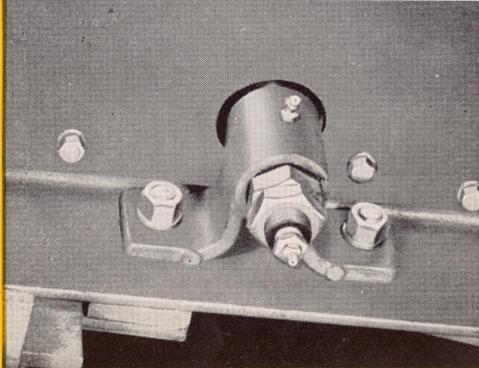


The large-capacity husking bed is equipped with two sets of husking rolls, each three inches in diameter and 36 inches long and mounted on roller bearings at each end. Smooth rubber discs for mild husking rolls are available as accessories to replace the standard serrated discs pictured.

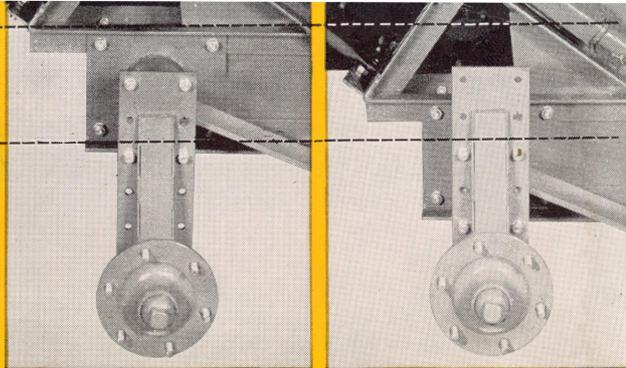




**Pickup Points . . .** Floating pickup points are easily adjusted to ground conditions by two chains. Further adjustment is made to the entire pick-up assembly by Ferguson Finger Tip Hydraulic Control, or the tilting lever.

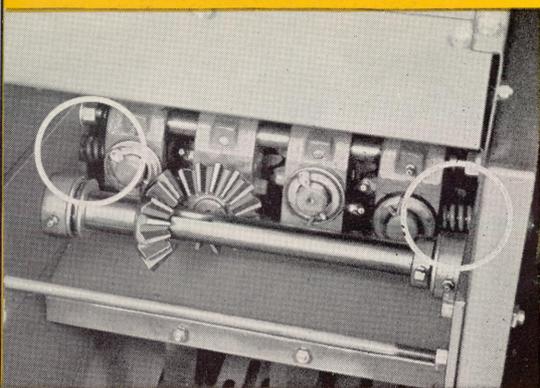


**Snapping Roll Spacing . . .** can be changed to meet various crop conditions simply by loosening the right-hand outer lock nut and turning the adjuster. This moves the steel bearing pin *in* or *out* of the snapping roll frame.



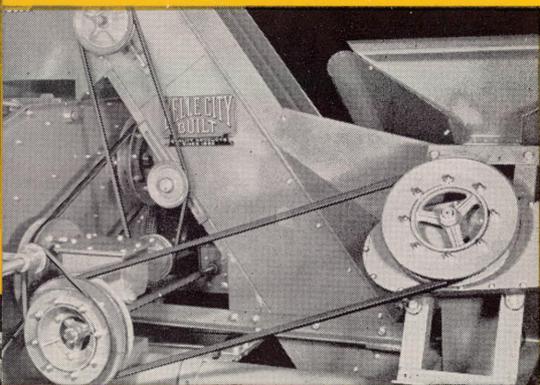
**Picker Height . . .** An unusually wide range of height adjustment is available in the Belle City Corn Picker. Axle and wheels may be moved up or down on the picker frame within a range of 5 inches. In addition, gathering points are easily *raised* or *lowered*.

# Fast adjustments THAT SAVE FIELD TIME



**Husking Roll Pressure . . .** to meet any changes in crop and weather conditions, is easily *increased* or *decreased* by adjusting four set screws and lock nuts, located on the *outside* of the husking bed. Thus, as working conditions change in the field, pressure may be increased or decreased to give best results.

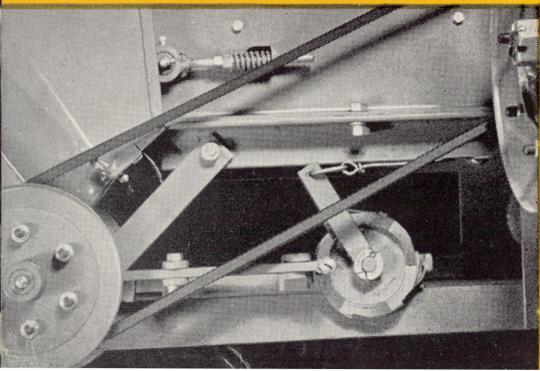
Fast, easy and convenient field adjustments to various crop and field conditions are just a few more of the many operating advantages of the Belle City Corn Picker.



**Snapping Roll Speed . . .** can be easily increased by removing shims from the main drive case sheave and adding them to the snapping roll sheave. Reversing the procedure reduces the speed of the snapping rolls. The belt may be tightened by removing an equal number of shims from each of the pulleys.

Not only are all nuts and bolts cadmium-plated for rust resistance and hex-headed for sure wrench grip and fine threaded for adjusting to closer tolerances, but *all adjustments* with the exception of snapping roll spacing *can be made with the Standard Ferguson Wrench*. And in most instances, from the *outside of the machine*.

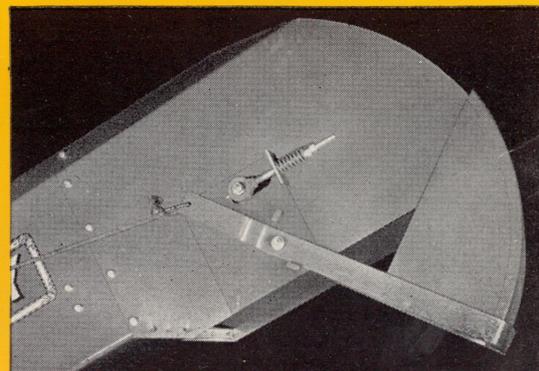
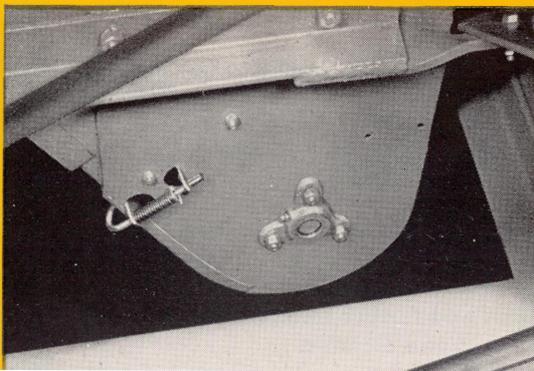
By providing better equipment and simplifying tool requirements, Ferguson and Belle City engineers have further reduced time-consuming preparation and adjustment before actual field work is begun.



**Elevator Throwout . . .** The Corn Picker wagon elevator can be stopped or started by a tug on the pull rope within reach of the tractor seat. This permits quick stopping of the elevator at any time before turning.

**Elevator Boot . . .** The cleaning of husks and trash from the bottom of the boot of the first elevator is easily accomplished by the opening of a door secured with two snap locks. Easy cleaning saves field time.

**Elevator Hood . . .** A two-position deflector hood at the top of the wagon elevator permits a more even distribution of corn in the wagon box. Position of deflector hood is easily changed by means of a pull rope.

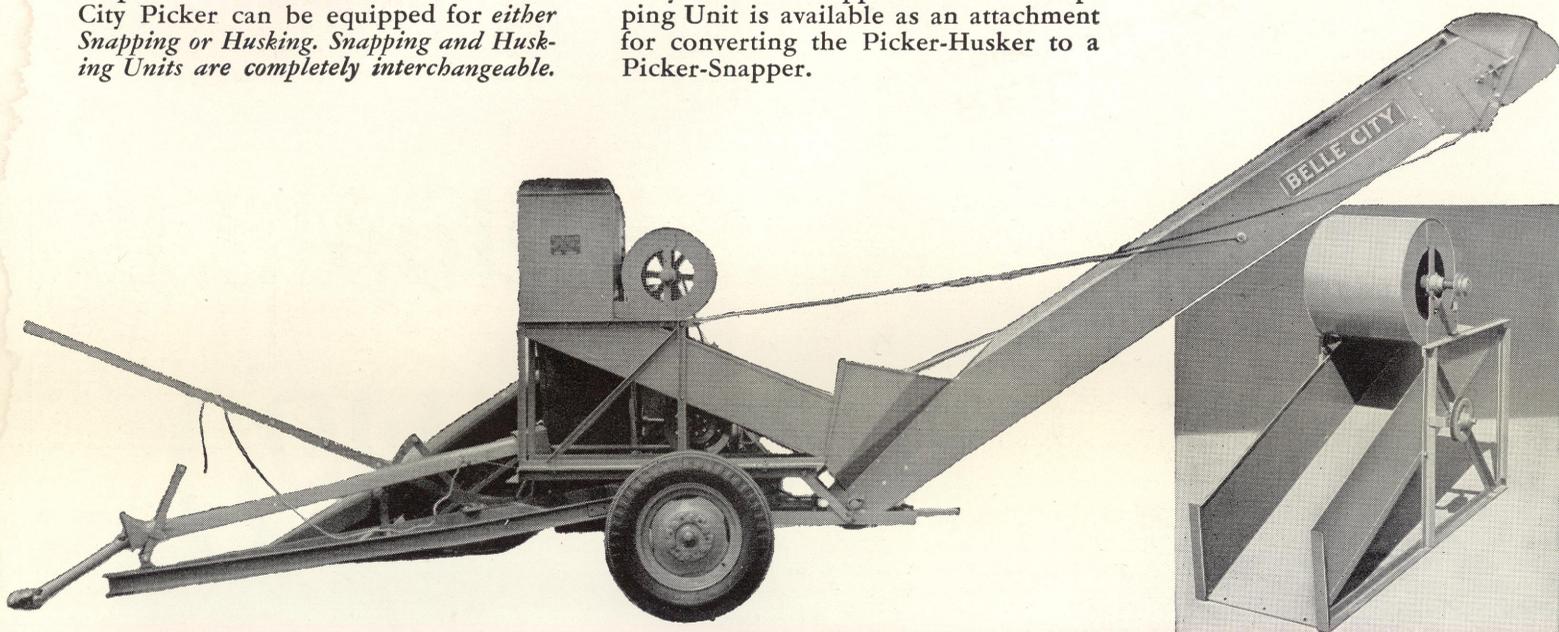


# ANOTHER GREAT BELLE CITY *advantage...*

EASY CONVERSION  
TO A  
CORN SNAPPER

For livestock feeders and corn growers who prefer to snap corn, the Belle City Picker is available as a Corn Snapper weighing only 1500 pounds. For growers who wish to snap a portion of their crop and husk the remainder, the Belle City Picker can be equipped for *either Snapping or Husking. Snapping and Husking Units are completely interchangeable.*

To snap corn, the husking unit is replaced by a chute which takes the corn from the first elevator directly to the wagon elevator. A large-capacity fan is also provided to blast dirt and trash away from the snapped ears. The Snapping Unit is available as an attachment for converting the Picker-Husker to a Picker-Snapper.



## ACCESSORIES... THAT ADD CONVENIENCE

To all of the outstanding features of the Belle City Corn Picker, still greater corn-picking convenience is added with the following accessories:

**Finger Tip Control** . . . Simple and easy attachment of this hydraulic ram cylinder in place of the tilt lever and quadrant provides your Belle City Corn Picker with Finger Tip Control of the gathering points. Manual changes of the tilt lever in raising and lowering gathering points are replaced by a mere touch of the famous Ferguson System Finger Tip Control Lever of the Ferguson Tractor.

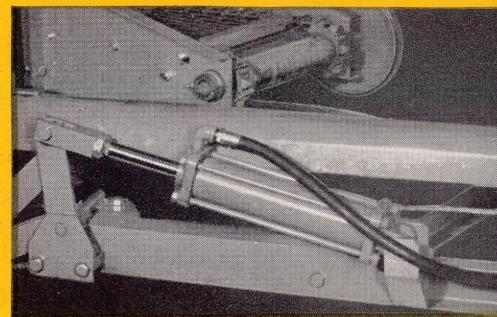
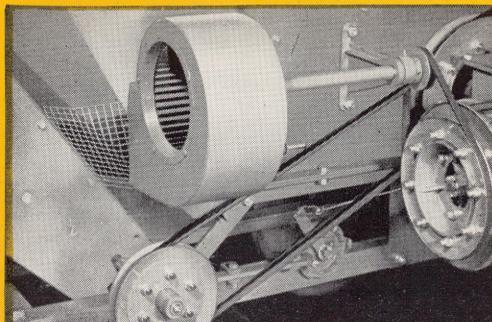
**High-Speed Blower** . . . This high-speed, nonclogging blower blasts husks, trash, and borer-damaged or smut-damaged corn clear of the wagon elevator.

**Mild Snapping and Husking Rolls** . . . For the gentler handling of extremely dry or borer-damaged stalks, mild *snapping* rolls can be substituted for the standard rolls.

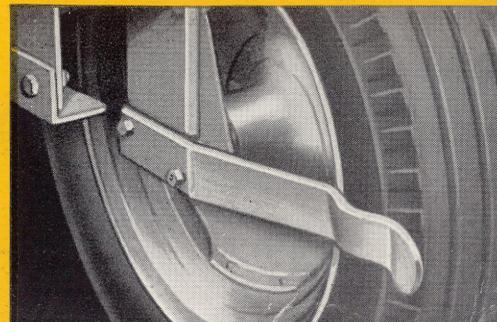
Smooth, laminated rubber discs are available to replace the standard, serrated rubber *husking* discs for gentler action and the reduction of shelling in extremely dry corn.

**Mud Scrapers** . . . For operation in wet, muddy fields, these inexpensive, heavy-duty mud scrapers prevent mud and trash from building up between wheels and frame.

High-speed Blower blasts husks, trash and borer-damaged or smut-damaged corn clear of the wagon elevator.



Above: Hydraulic Ram Cylinder attached to the Picker frame provides Finger Tip Control of the gathering points. Below: For muddy fields, heavy-duty mud scrapers prevent mud and debris from building up.



REID SALES  
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PHONE 2263

LOW-COST UNIT  
THIS LIGHT-WEIGHT  
OR SNAP WITH  
YOU CAN HUSK

corn growers...

## SPECIFICATIONS...THAT SPELL QUALITY

**TYPE**—One-row, pull-type husker or snapper, power take-off driven.

**WEIGHT**—Husker, 1750 pounds; Snapper, 1500 pounds.

**LENGTH**—12' without wagon elevator.

**HEIGHT**—5' 9" without wagon elevator.

**TREAD**—7' 3 1/8" center to center of wheels. 6:00 x 16 rubber tires. Tapered roller wheel bearings.

**GATHERING POINTS**—Hinged below gathering chains.

**ELEVATOR**—Easily removed for transport or storage. Adjustable vertically. Length 10' 9 1/2", width, 8", depth, 6 1/2".

**HITCH**—Adjustable laterally, 20 1/2".

**GATHERING CHAINS**—Three No. 62H heavy steel link. Upper chains extend 18" ahead of snapping roll entrance. Lower chain is adjustable laterally.

**CLEARANCE BETWEEN GATHERING CHAINS AND GROUND**—1" minimum.

**SNAPPING ROLLS**—Length 48 1/4", diam-

eter 3". Outer roll adjustable laterally at lower end.

**FIRST ELEVATOR**—Width, 15 3/4", depth 6 1/4".

**HUSKING UNIT**—4 rolls, two rubber covered, two spiral steel ribbed. Length 36", diameter, 3".

**SHELLED CORN SAVER**—Extends below husking rolls.

**WEIGHT**—Equipped as Husker, 1750 pounds; equipped as Corn Snapper, 1500 pounds.



SALES

SERVICE

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