

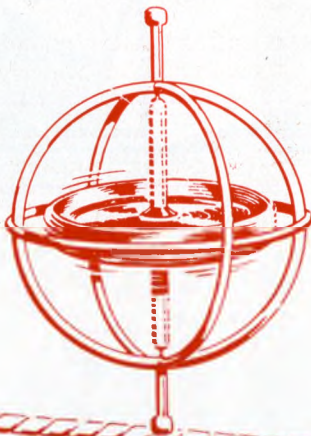
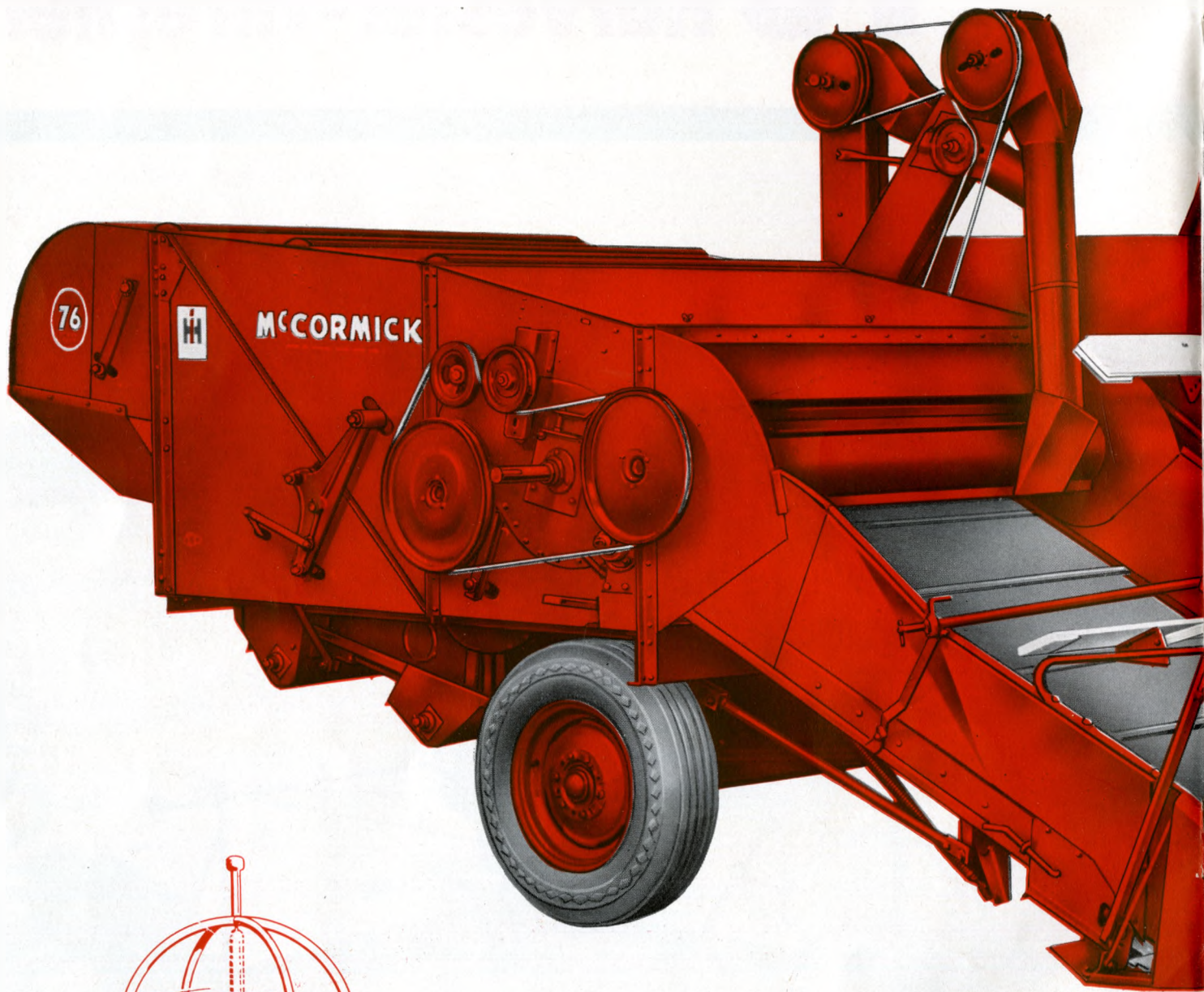
McCORMICK®



76 Harvester-Thresher



the BIG, McCormick

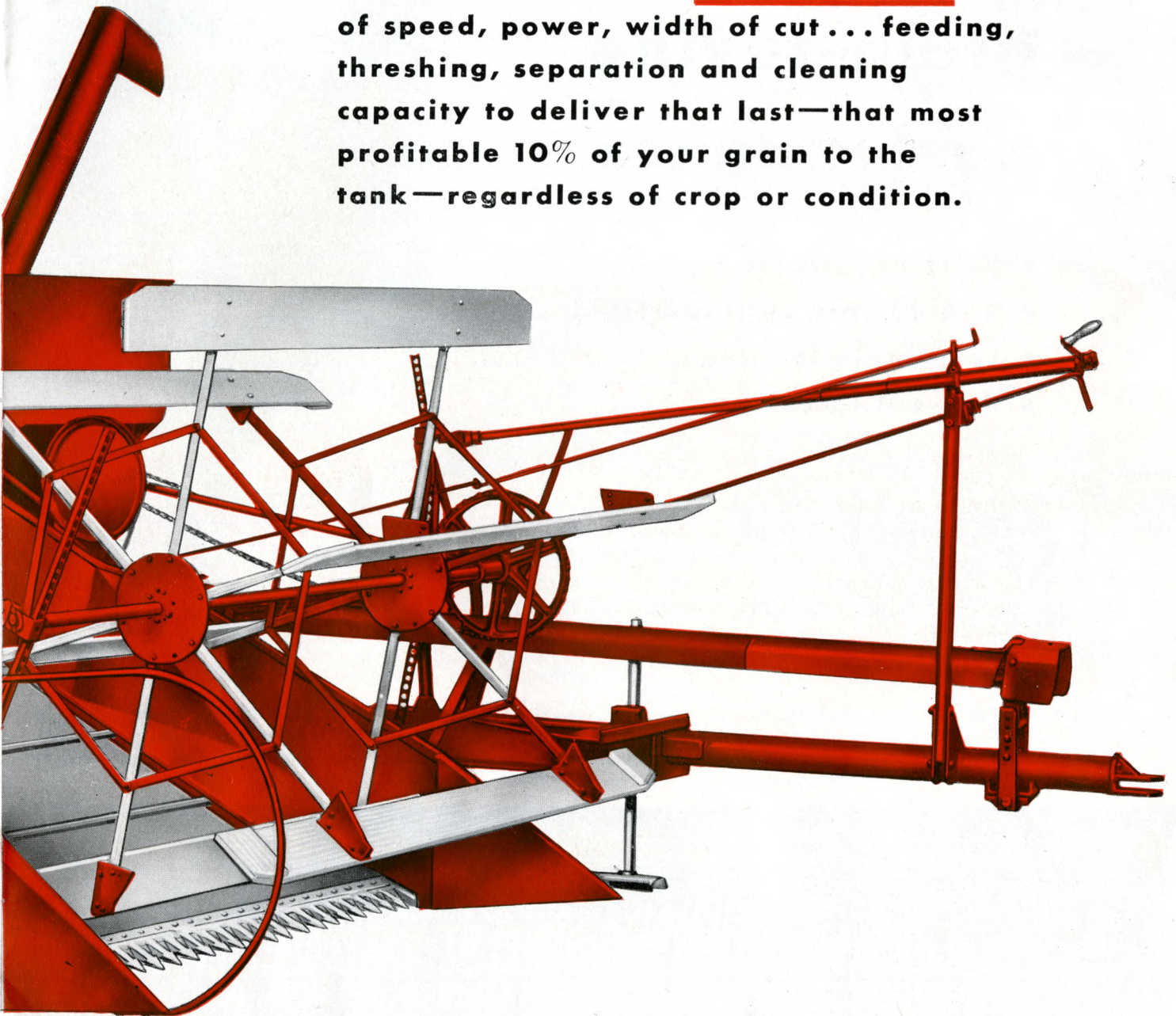


BUILT-IN BALANCE

to give you an unmatched combination

76 Harvester-Thresher

... the only combine in its class that gives you the correct built-in balance of speed, power, width of cut... feeding, threshing, separation and cleaning capacity to deliver that last—that most profitable 10% of your grain to the tank—regardless of crop or condition.



of . . .



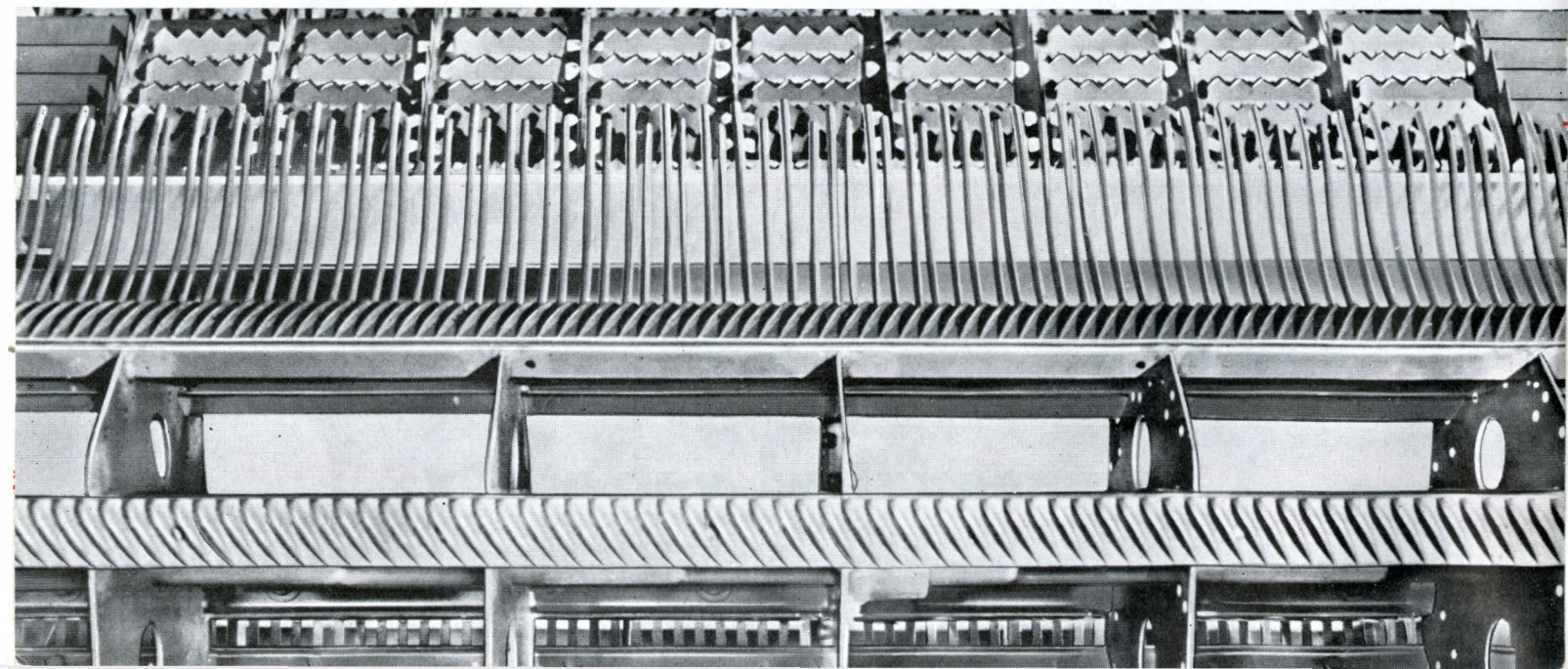
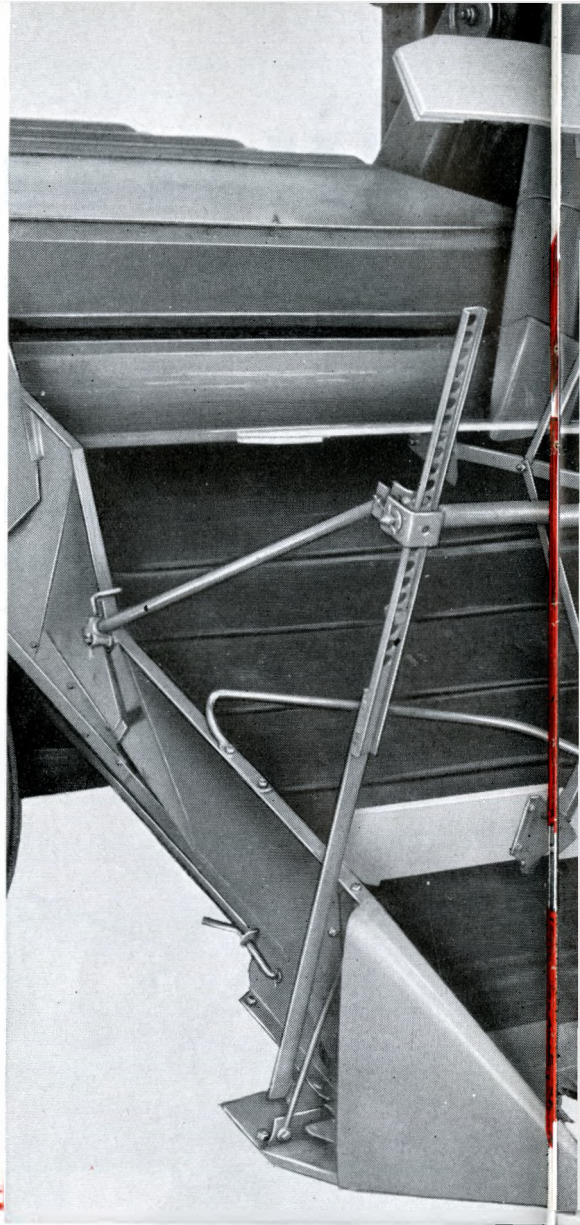
- new grain-saving performance**
- extra capacity**
- unequaled versatility**
- sure dependability**

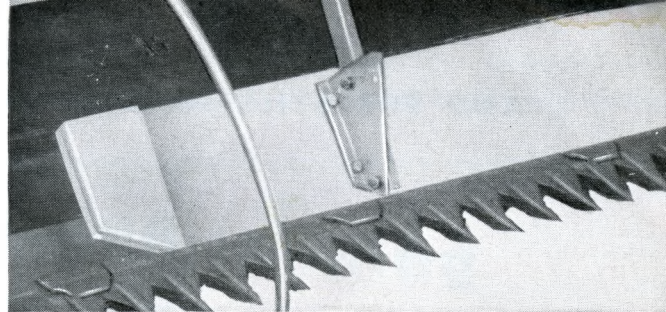
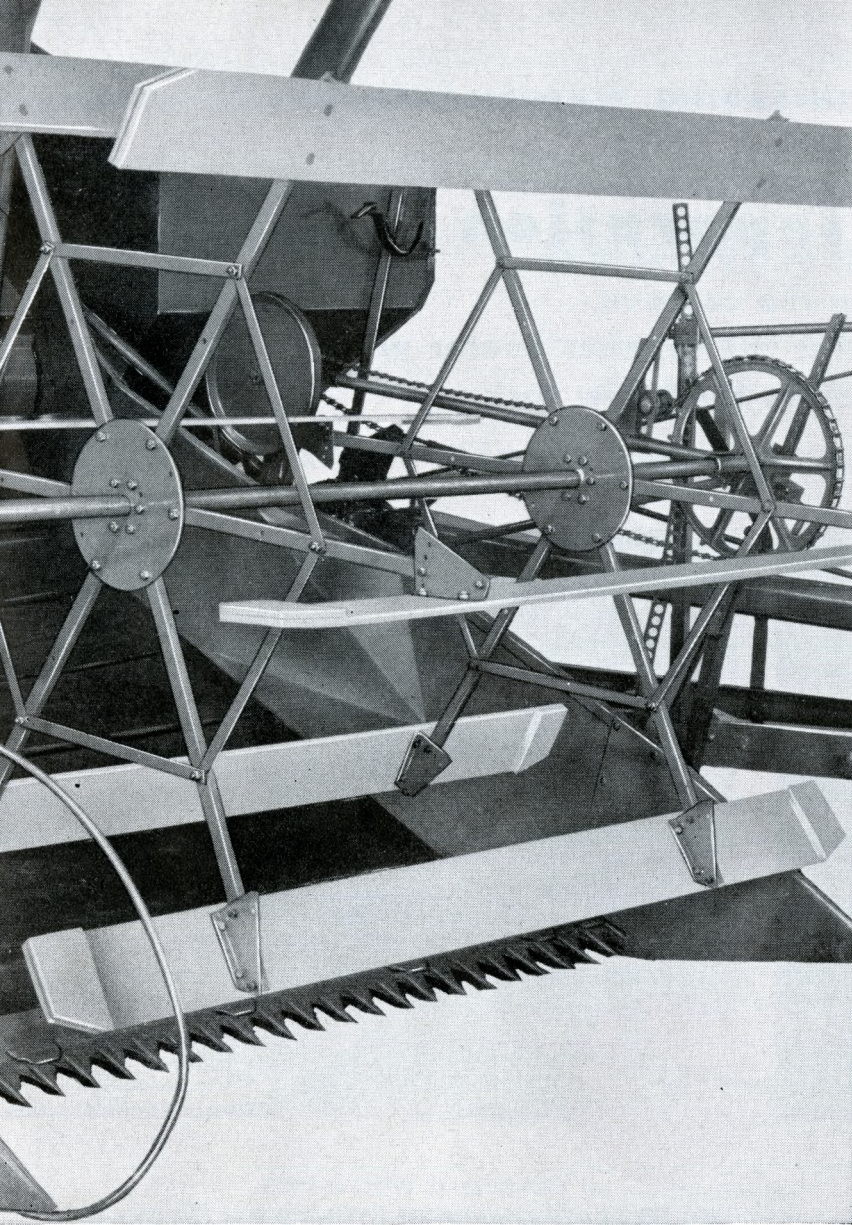


TOP grain-saving performance

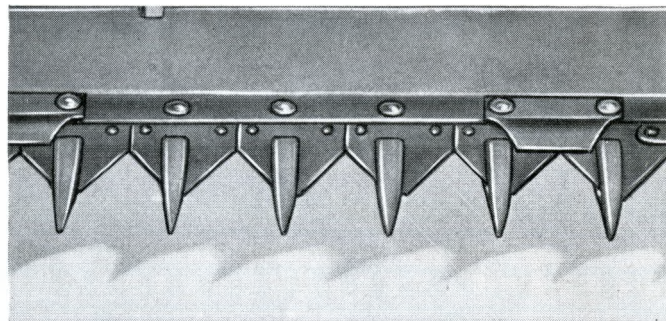
- Fully adjustable reel
- 2 to 35-inch cutting height
- Low-angle feeding
- Rub-out threshing

STARTING AT THE FRONT of the McCormick 76, the reel . . . cutter bar . . . feeder . . . and cylinder are performance-matched to one another. This is your assurance of clean cutting, even feeding, thorough threshing . . . built-in balance to help you do the best combining job possible.

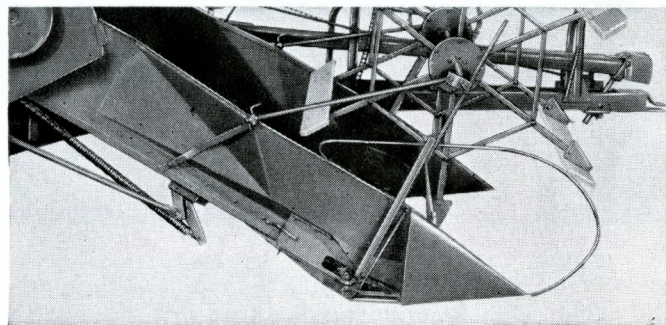




FULL-WIDTH, 6-BAT REEL "reaches out" to feed your grain across cutter bar gently, uniformly. Reel speed, position, and bat pitch adjustments are quick and easy.



KEEN-CUTTING KNIFE is driven from left, away from standing grain. Serrated sections stay tight . . . sharp. Malleable guards are spaced, angled for precision performance.



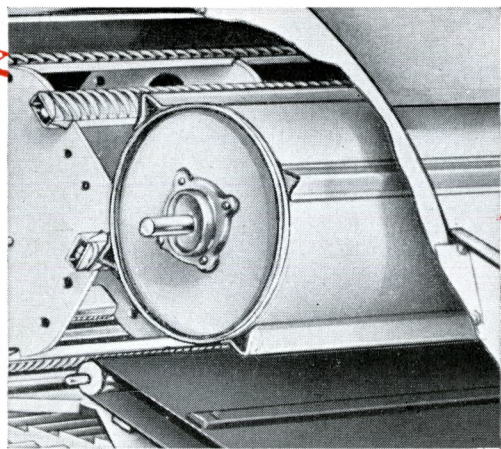
CUT CLEAN AT ANY HEIGHT from 2 to 35 inches above the ground. You have on-the-go control to raise or

lower the feeder instantly . . . match varying straw heights and crop conditions with grain-saving accuracy.

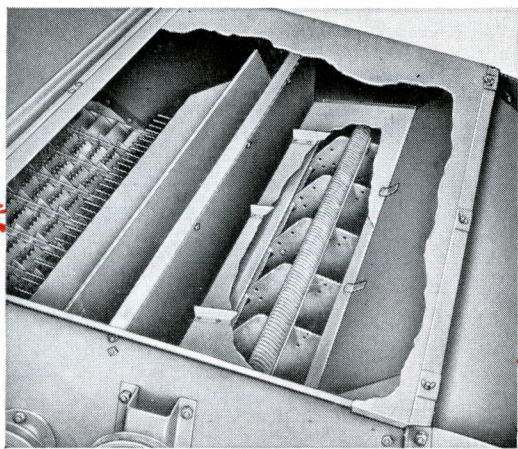
UNUSUALLY LOW ELEVATING ANGLE—only 28° with the cutter bar at its lowest height—assures positive, even feeding in the shortest, hardest-to-handle crops.



EXTRA CYLINDER SIZE provides threshing capacity to match the cutting and feeding performance of the No. 76. Six full-width rasp-bars provide a gentle, yet positive "rub-out" threshing to remove all of the kernels with little scuffing or cracking. This action also keeps the straw from being chopped. What's more, the cylinder is dynamically balanced to make the No. 76 the easiest-working combine on the market



FULL-WIDTH DRUM-TYPE BEATER makes certain that all your grain is fed to the underside of the cylinder for thorough threshing. It also smooths out any heavy bunches to help make certain that your crop is sent into the cylinder in an even, uniform flow.



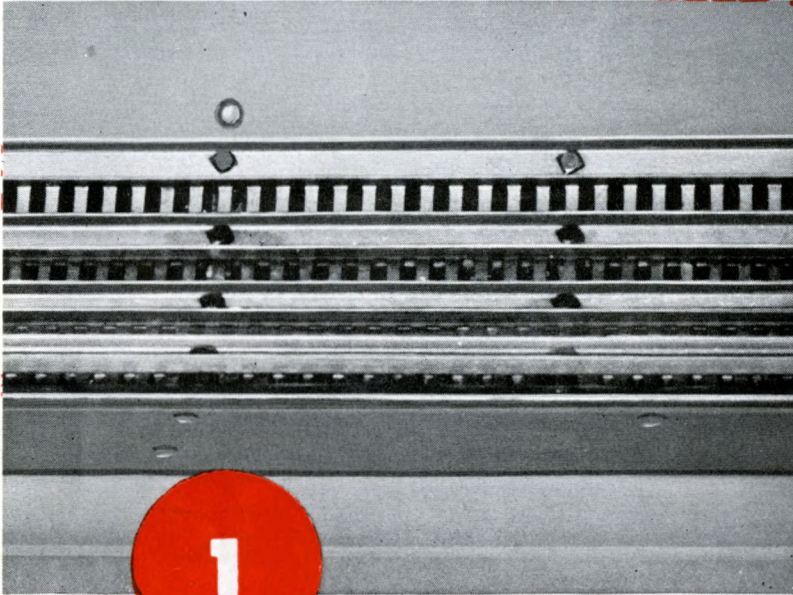
HANDY SEPARATOR TOP DOOR lets you check the cylinder and make close-up inspections of the working units inside the separator in a matter of seconds. The cylinder is mounted on self-aligning, life-lubricated bearings for season after season of grain-saving performance.

AND FOR STILL GREATER GRAIN-SAVING PERFORMANCE

3 point separation

- on the concave
- over the cylinder beater grate
- across the straw rack

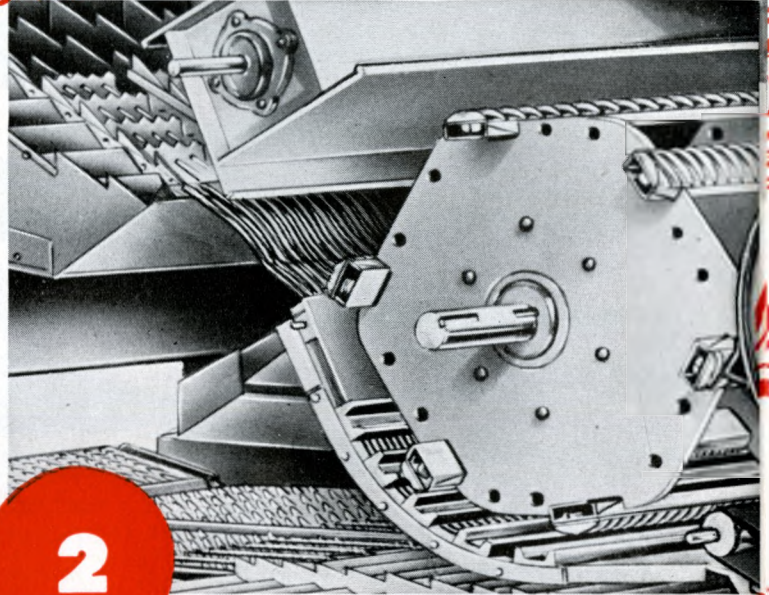
to put more grain in the tank



1

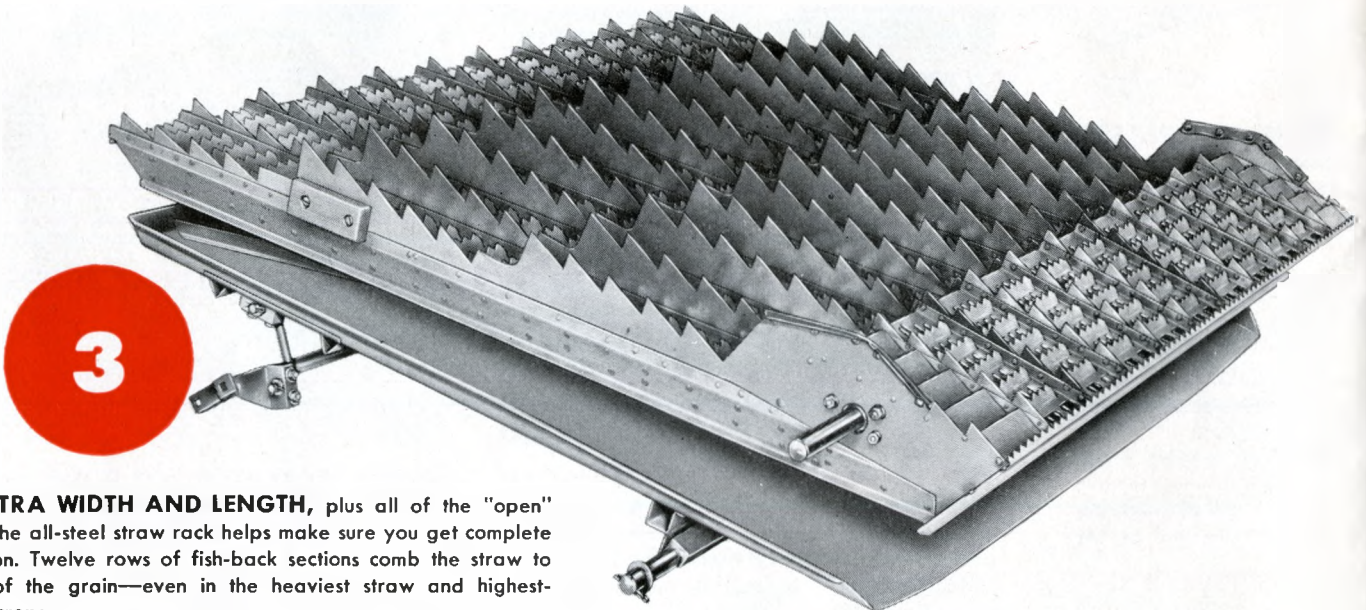
FULL-WIDTH CONCAVE GRATE separates 80 to 90 per cent of your grain the instant it is threshed . . . before it ever reaches the straw rack. The grate has 1-inch openings to insure quick, efficient separating of all small grain crops.

Bar and wire grate available as an extra or as optional equipment.



2

BIG SEPARATING AREA OF CYLINDER BEATER GRATE—added to that of the concave grate—means there is actually only a small amount of grain left in the straw to be separated on the rack. And this immediate separation is one of the big reasons why so little grain is ever carried over in the McCormick 76.



3

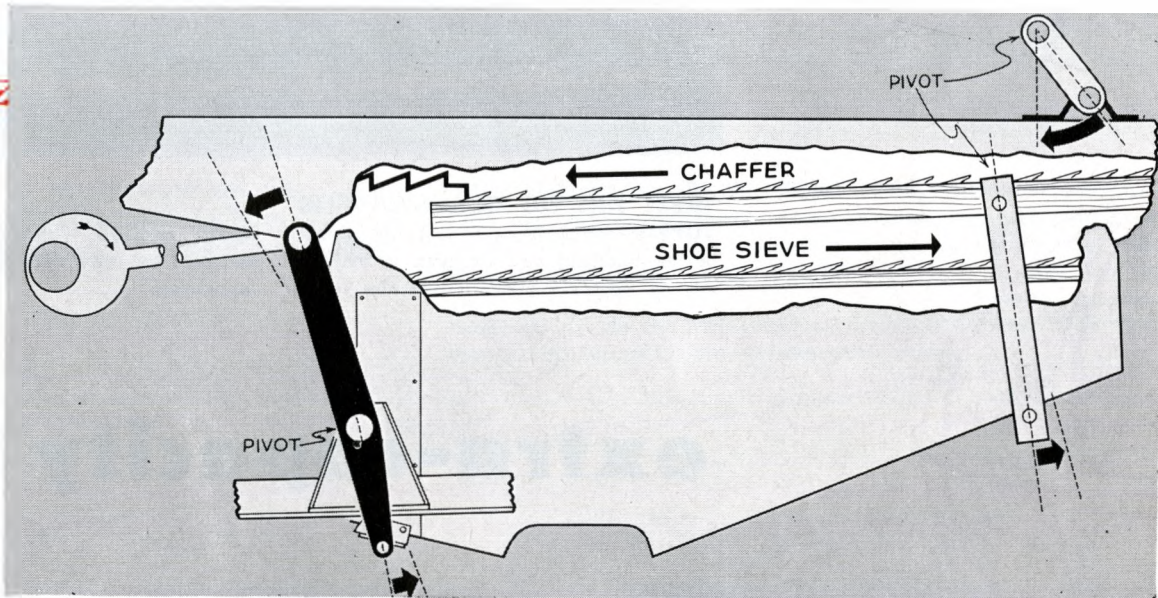
THE EXTRA WIDTH AND LENGTH, plus all of the "open" area of the all-steel straw rack helps make sure you get complete separation. Twelve rows of fish-back sections comb the straw to get all of the grain—even in the heaviest straw and highest-yielding crops.



double-shake cleaning

- over the chaffer
- on the shoe sieve

to put cleaner grain in the tank

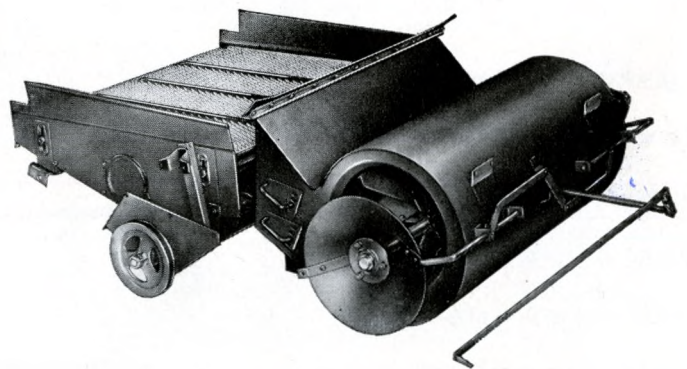


HERE'S HOW IT WORKS! The cleaning shoe and shaker unit are driven by a rocker arm. When the chaffer moves ahead, the shoe sieve travels back . . . in the opposite direction. This provides a double-shake action that prevents straw particles from bridging between the units and forming a grain-wasting blanket of chaff on

the shoe sieve. It means, too, that your grain is actually given two cleanings—first on the chaffer, then the cleaning shoe—to make doubly sure it is cleaned thoroughly. What's more, both cleanings are made under an accurately controlled air blast from a big, 6-bladed cleaning fan.

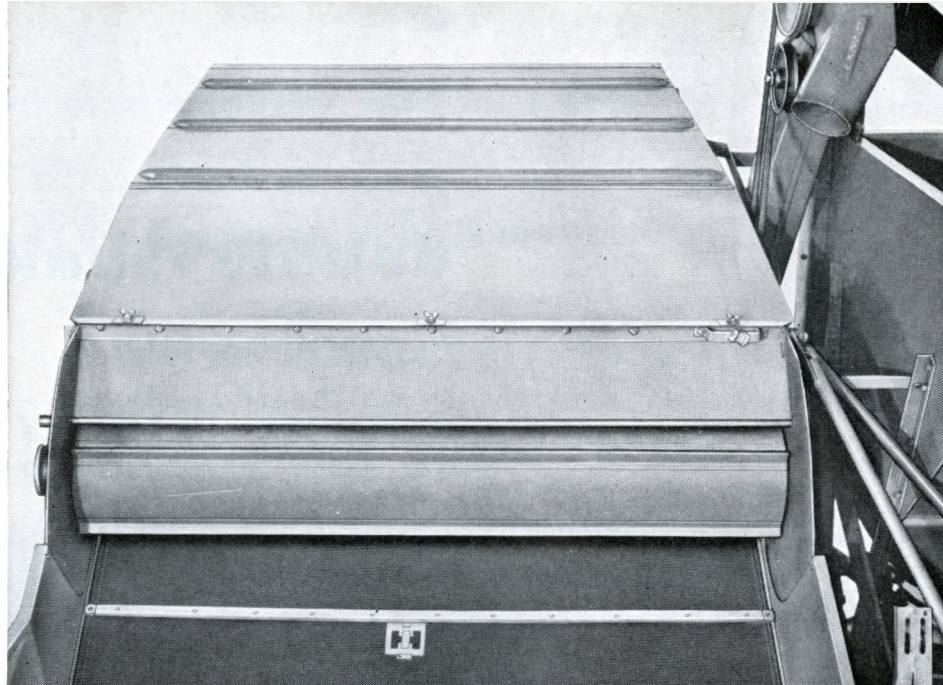


ADJUSTABLE CHAFFER FINS in the shaker unit give you sieve openings for thorough cleaning in any harvest. Deflectors and vertical dividers keep the grain from bunching when combining on hillsides. Rubber seals guard against yield-stealing leakage.



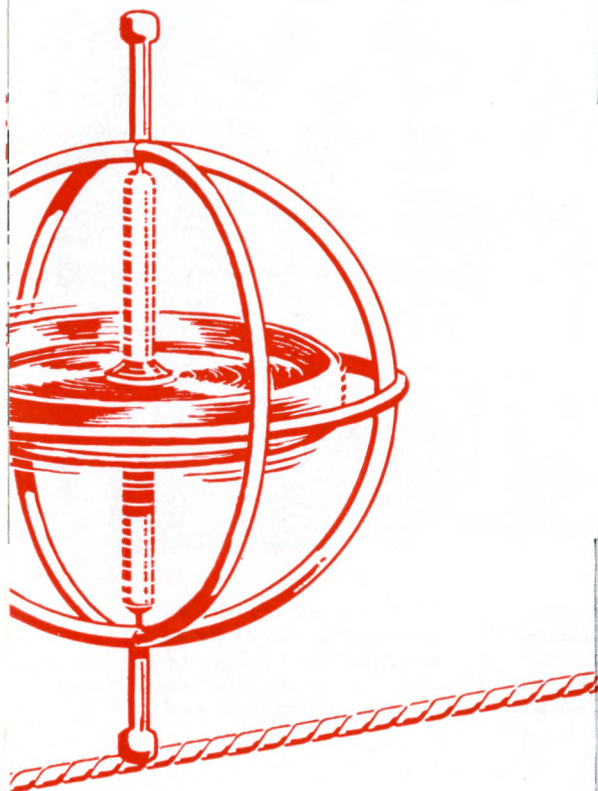
QUICK, ACCURATE WIND SETTINGS are made by simply setting the adjusting lever which operates the cone-shaped gates at each end of the cleaning fan. Two adjustable deflectors control wind direction. The cleaning shoe is also equipped with an adjustable sieve and a second sieve also can be used in extremely dirty conditions.

Full-width, straight-through design multiplies square-inch efficiency of extra-large separator units . . .



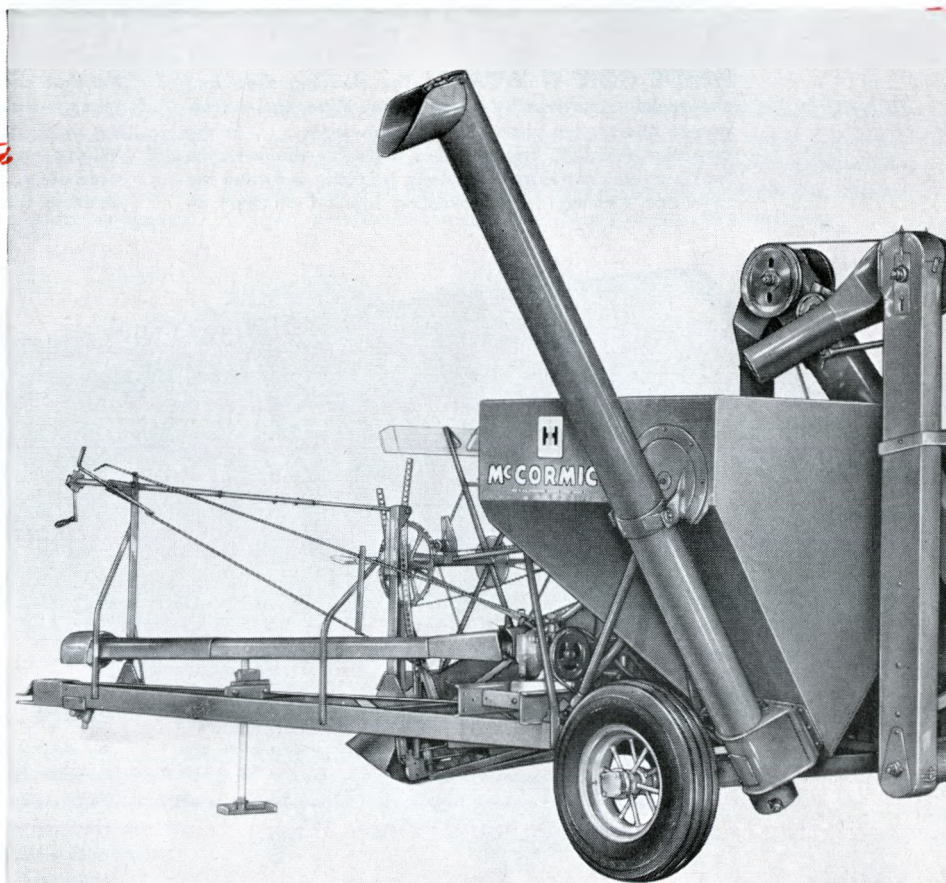
THERE ARE NO GRAIN-WASTING TURNS—no bottlenecks to cause crowding or bunching and clogging in the No. 76. As your cut grain leaves the cutter

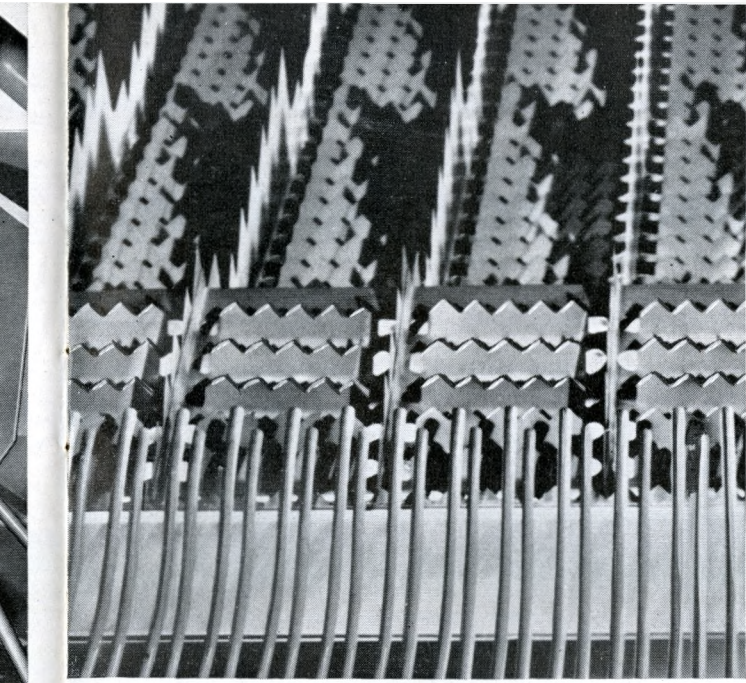
bar, it travels straight back over the canvas conveyor—through the cylinder and onto the straw rack for fast, complete separation.



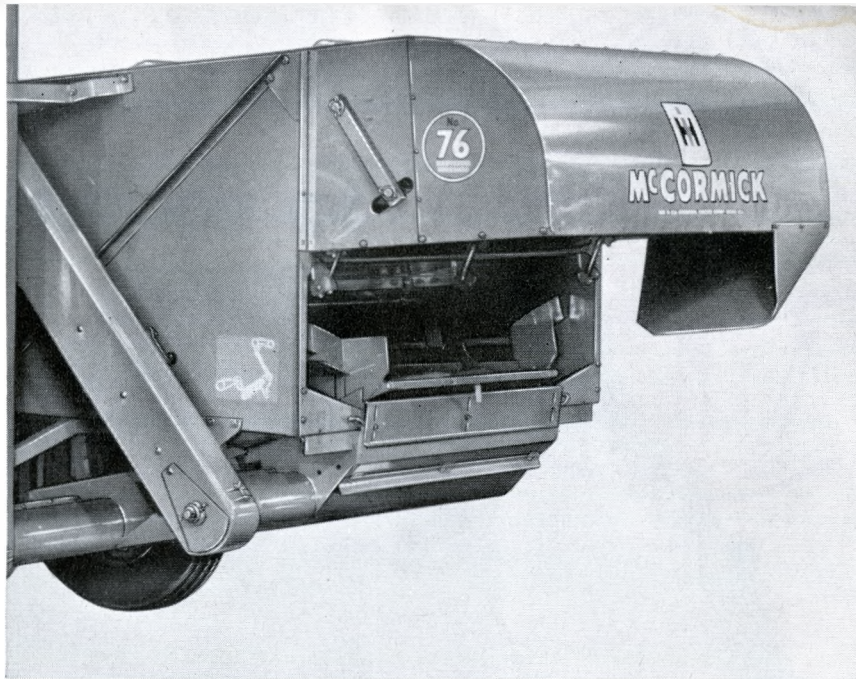
Big-capacity elevators and auger unloader—plus 30-bushel tank—for faster grain handling . . .

extra-capacity . . .

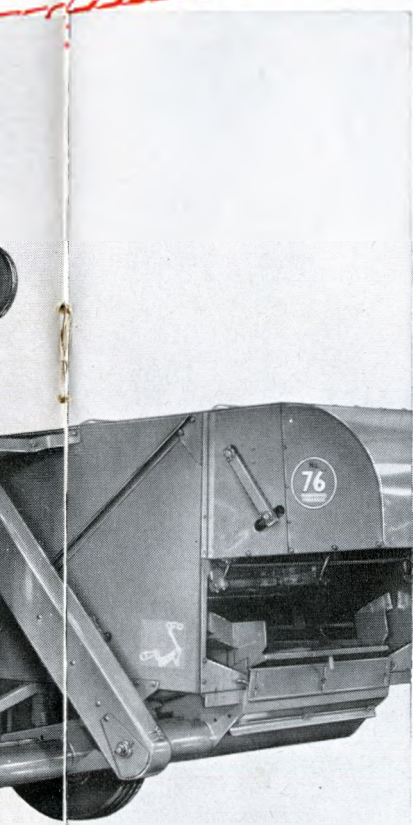




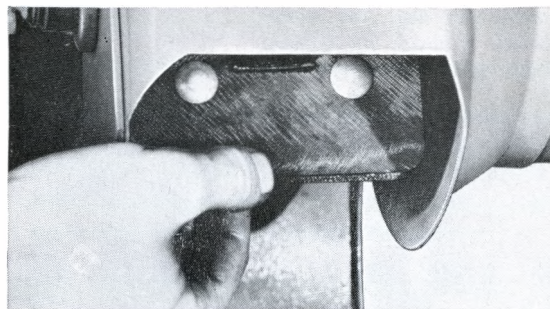
LOOK INSIDE THE McCORMICK 76—back over the concave and across the straw rack—and you'll be quick to recognize the advantages of its straight-through design.



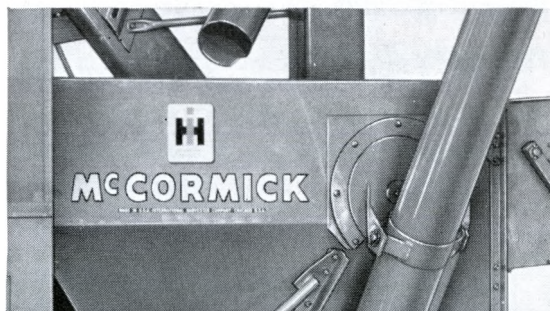
TRUE FULL-WIDTH FROM FRONT TO REAR! The full-width cylinder and concave give the No. 76 an especially large threshing area. The full-width concave and cylinder beater grates, plus the long, wide straw rack mean an extra-large separating surface. At the same time, the area of the chaffer and shoe add up to extra cleaning capacity. Together, these units give the No. 76 a straw and grain-handling area larger than that of some 10 and 12-foot combines on the market.



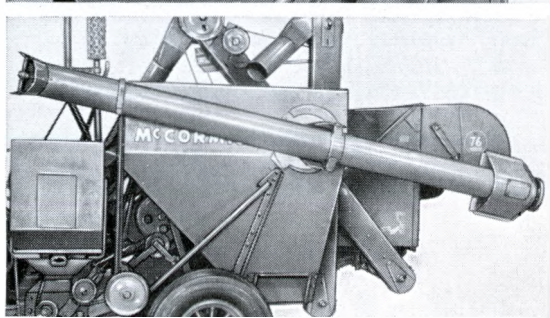
DEEP, RUBBERIZED FLIGHTS in the top-driven elevators handle your grain quickly, positively with little or no cracking. They give the No. 76 extra elevating capacity to match its big threshing and cleaning capacities.



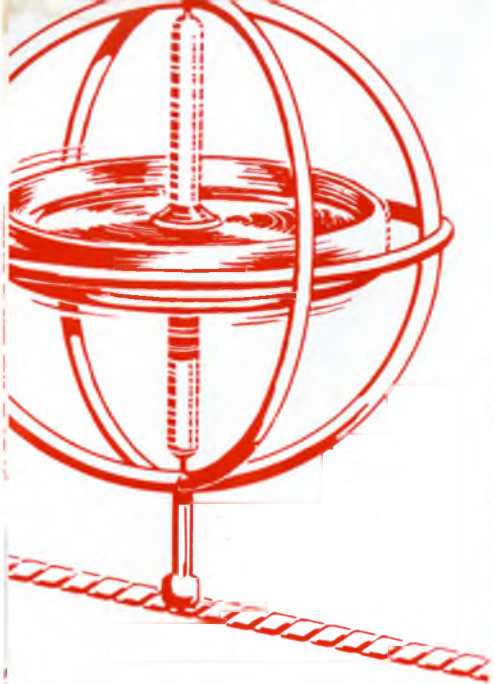
BIG, 7-INCH AUGER UNLOADER lets you empty the 30-bushel tank of grain in less than 2½ minutes . . . on-the-go or standing still. The auger is also extra long to reach over the sides of high wagons and big trucks.



READY FOR TRANSPORT IN A MATTER OF SECONDS. One man can quickly swing the side-mounted auger tube against the tank side for extra transport clearance.



to match the big "inside"

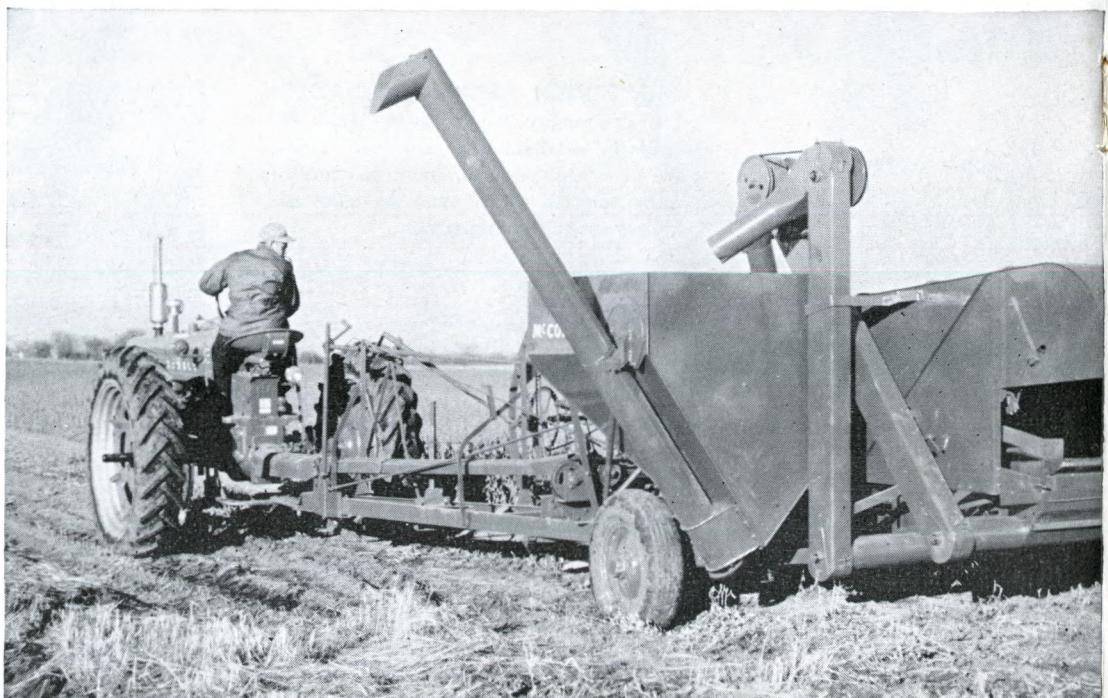
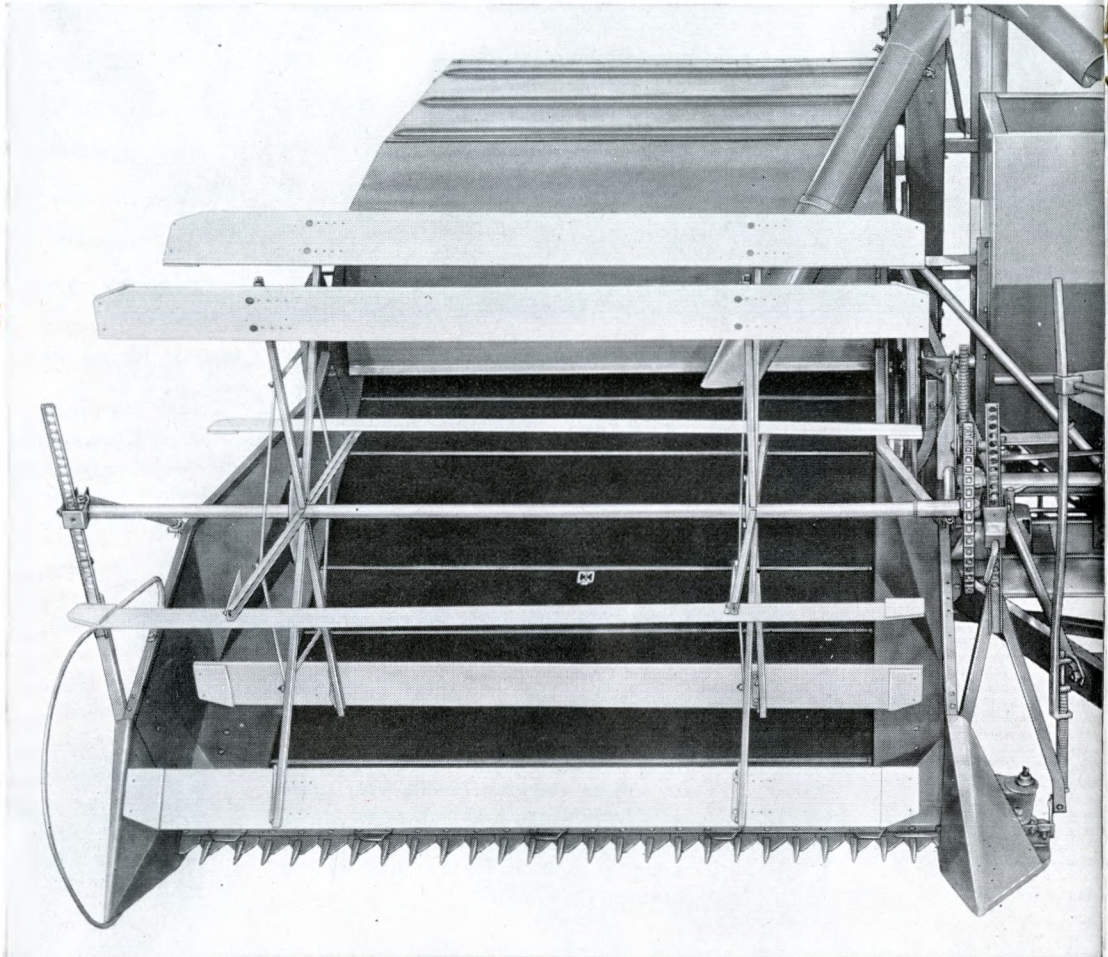


You cut a full 7-foot swath

FULL-WIDTH, SEVEN-FOOT FEEDER. Compared to other six-foot machines, this means that you can cut 16% more grain each round. Divider points separate leaning grain, let you clean-cut a full swath to harvest extra acres per day. The sturdy feeder is trussed by X-frame supports to prevent twisting. Two lift arms and tension springs make feeder height adjustments simple and easy. A 6-foot feeder is also available.

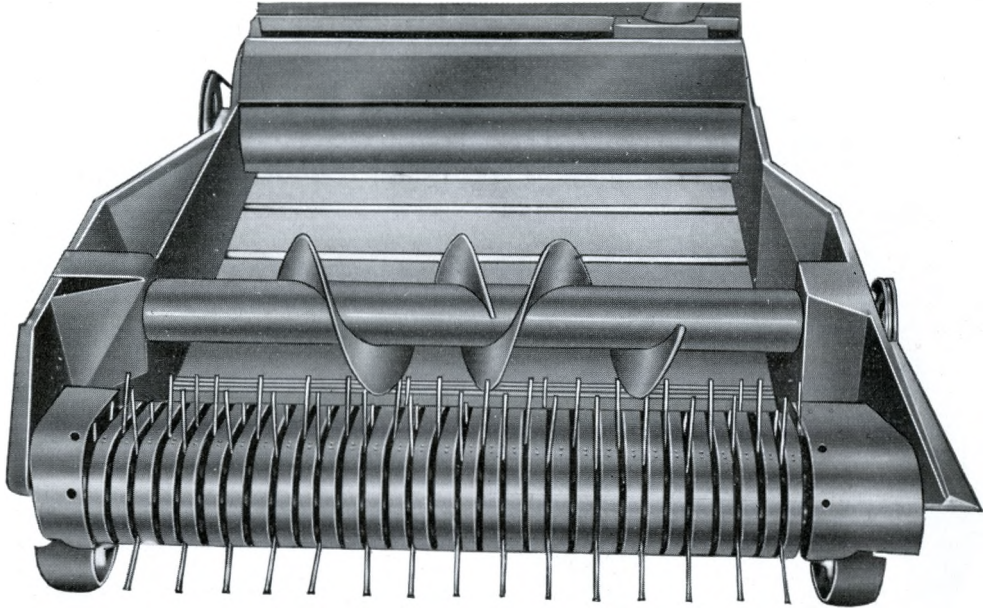
... go at the speed to match exact crop and field conditions

YOU MAINTAIN A CONSTANT SEPARATOR SPEED for peak performance and match your travel speed to exact crop and field conditions. When the No. 76 is pulled by a Farmall 300 or 400 tractor with Torque Amplifier you have a choice of two travel speeds in each gear.

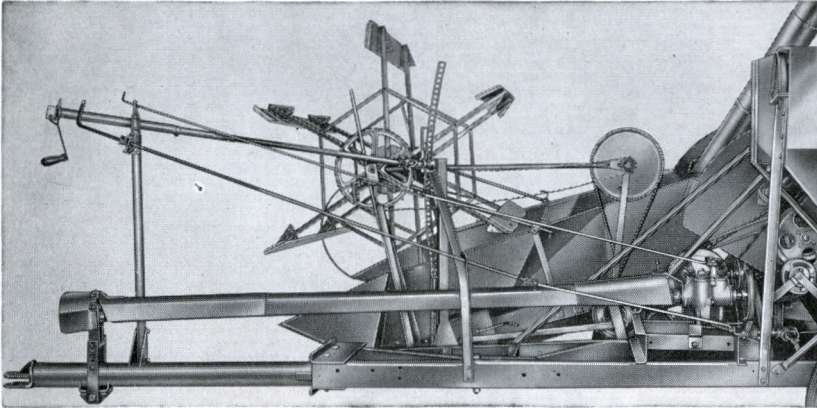


capacity

WINDROW PICKUP ATTACHMENT plus extra large threshing capacity of the No. 76 lets you handle big windrows from swaths up to 12 feet wide. Long, flexible pickup tines, staggered to help avoid stones, lift windrows cleanly, positively . . . yet gently, to prevent shattering. As the grain is picked up by the tines, a roller delivers the windrow to the feeder canvas for fast, uniform feeding. The spiral feeder auger is available as special equipment. It spreads the picked up windrow evenly across the feeder canvas insuring efficient threshing across the full 64 inch width of the cylinder.

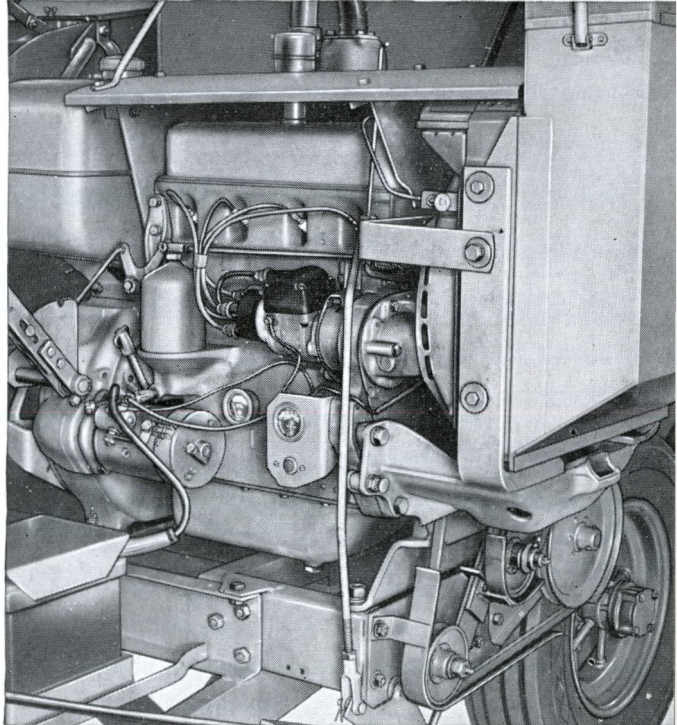


you have a choice of 2 power drives

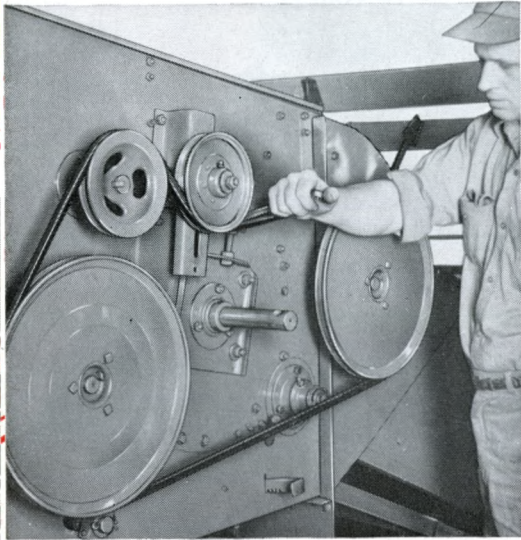


ADJUSTABLE HITCH. Now . . . with the No. 76 adjustable hitch . . . you can position this Harvester Thresher behind your tractor to narrow left settings for less overall transport width or move it to the right for row positioning in soy beans and other such crops.

AUXILIARY ENGINE. You also can get the McCormick 76 equipped with a husky, 4-cylinder, 24 hp. IH engine that will give you power for the heaviest harvest loads.



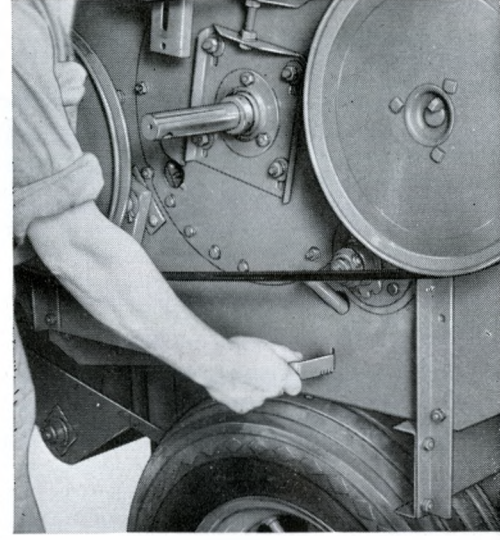
CYLINDER-CONCAVE CLEARANCE. You set the clearance by adjusting the cylinder—not the concave. Clearance is uniform all over. Two convenient draw bolt adjustments make it quick, and precise.



SIEVE OPENINGS. You open or close fin openings in the chaffer or shoe sieves by simply setting an easy-to-get-at lever which operates each unit.

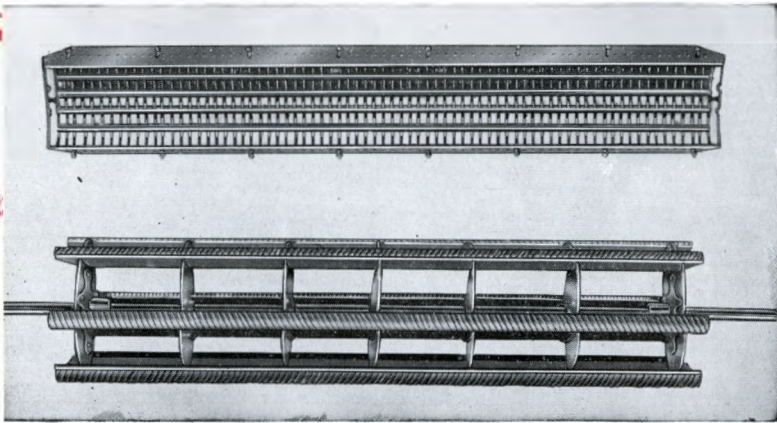


WIND CONTROL. Cone-type gates at each end of fan give you most uniform air flow. Handy lever controls volume. Wind direction is controlled by two four-position latches.

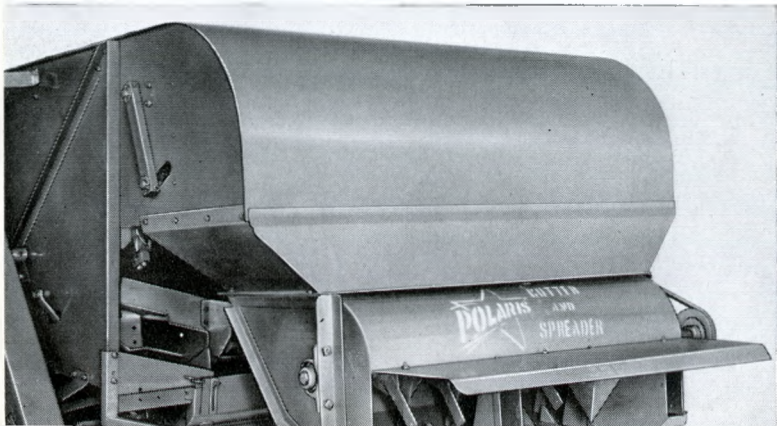


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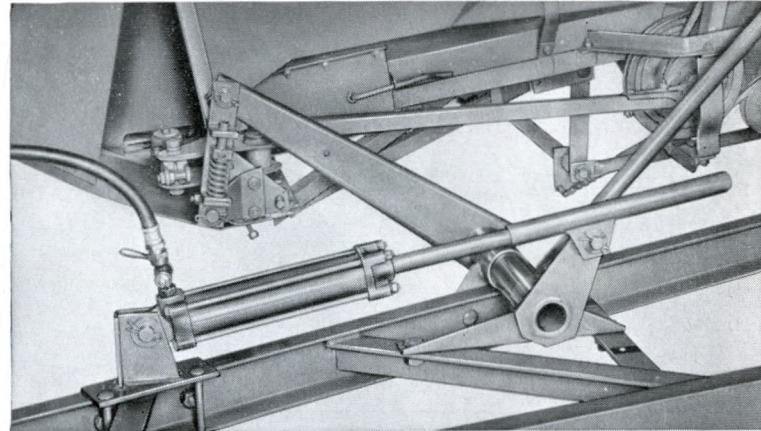
Rasp Bar Cylinder and Bar and Wire Grate.



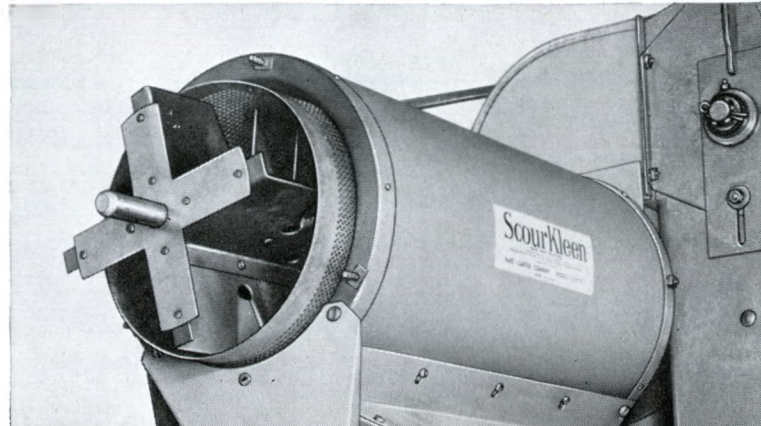
Straw chopper and spreader.

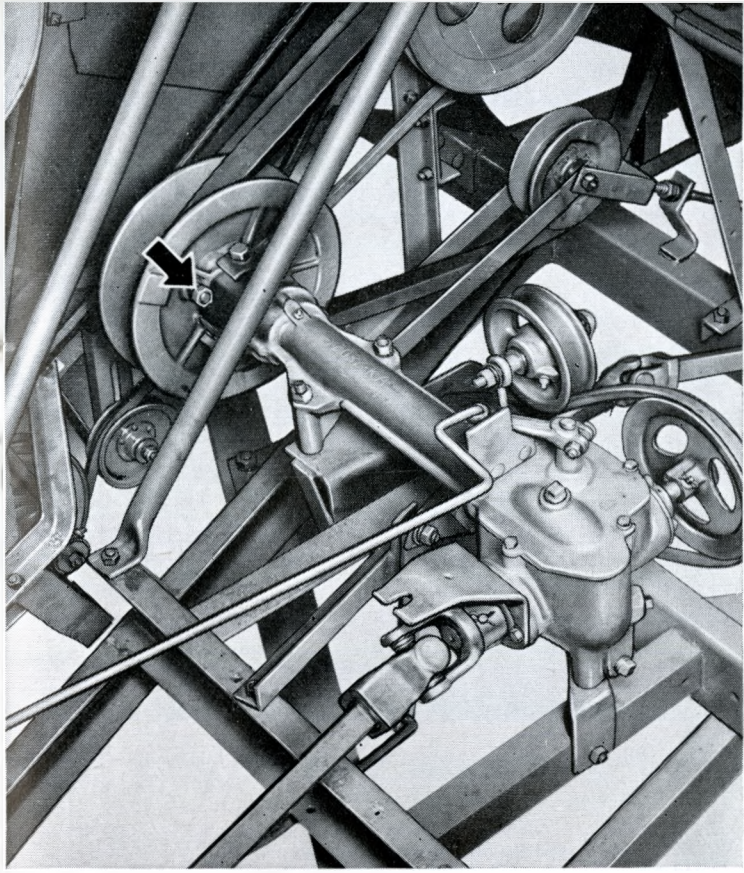


Hydraulic feeder lift.

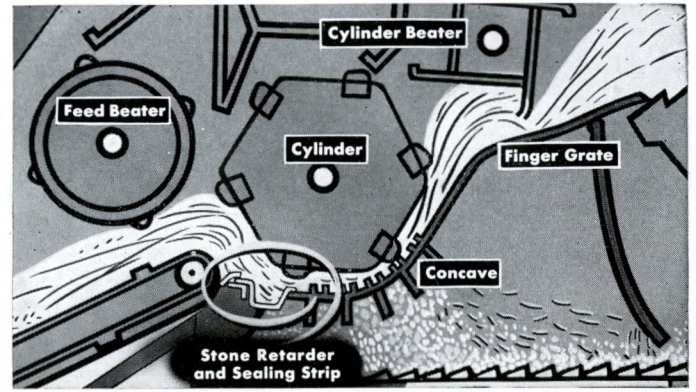


ScourKleen attachment.





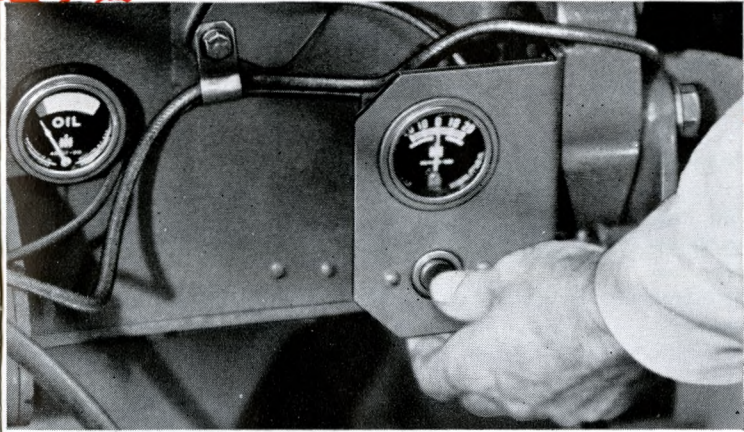
CYLINDER SPEED. The No. 76 has a variable-speed, V-belt cylinder drive. To change the cylinder speed, you merely adjust the diameters of the two V-belt sheaves by means of the cap screws and carriage bolts indicated by arrows. You can get any speed between the range of 650 and 1600 rpm, without disturbing the other drives.



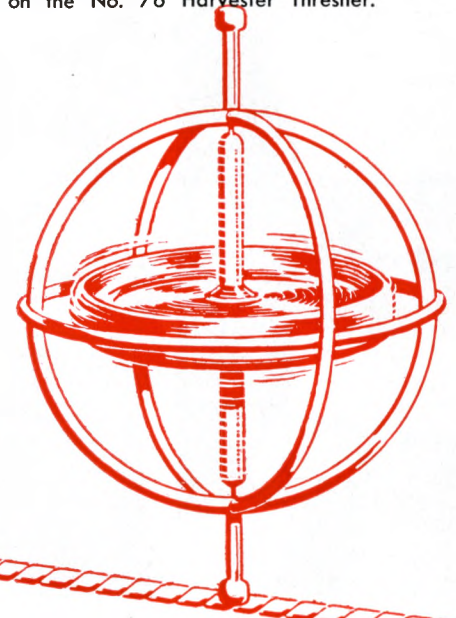
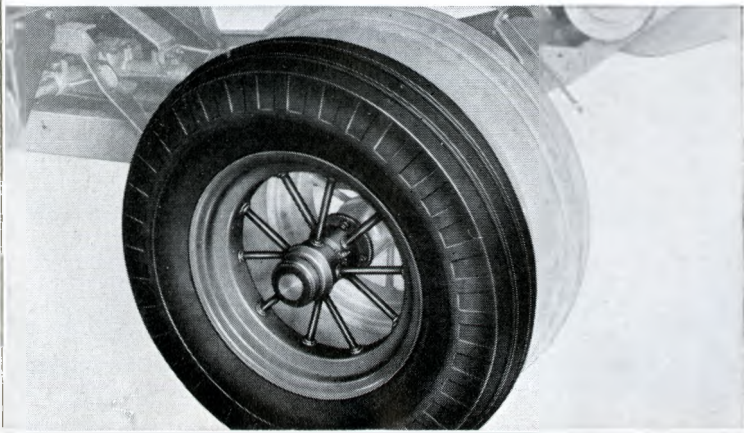
STONE RETARDER. This efficient safety device is regular equipment on the No. 76 Harvester Thresher.

versatility

Electric starter for auxiliary engine.



Dual wheels.

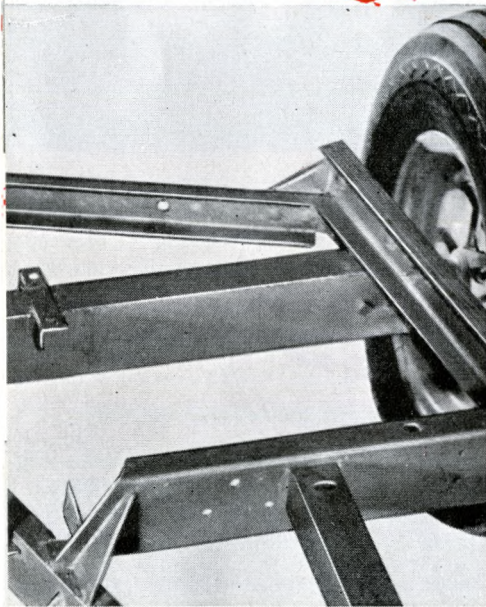


Full choice of special equipment and attachments

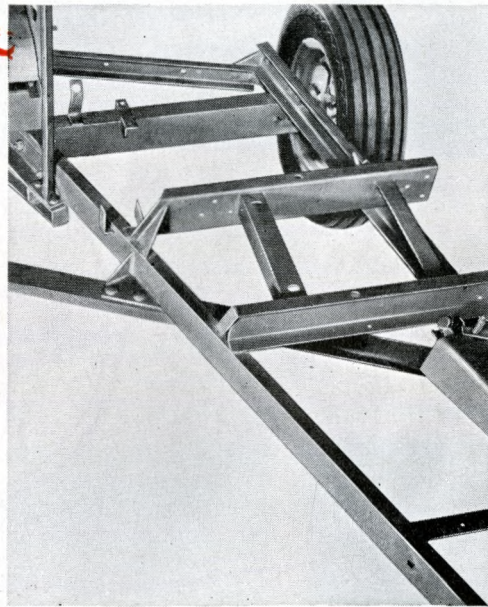
Equipped the way you want it. A big line-up of special crop attachments makes the McCormick 76 the most versatile combine in its class. Easy-to-install changeover parts are available as complete "packaged" kits for soybeans, clovers, grasses, edible beans, sorghums, and other special crops. In short, the No. 76 gives you versatility that you can count on in any harvest situation you name.

sure dependability

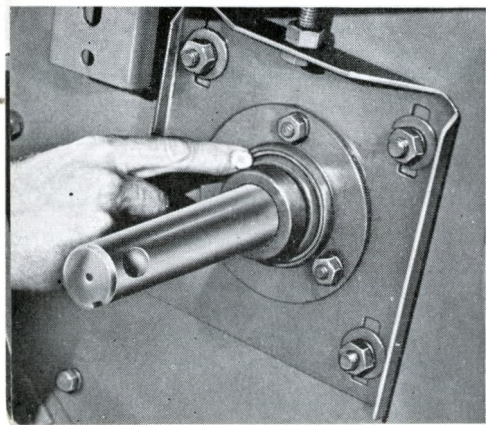
to assure you extra years of peak performance



TUBULAR STEEL AXLE
Wheels of the No. 76 are mounted on extra-strong, box-section steel axles that are securely anchored to the separator frame. You can count on this construction to stand up under the roughest field conditions.

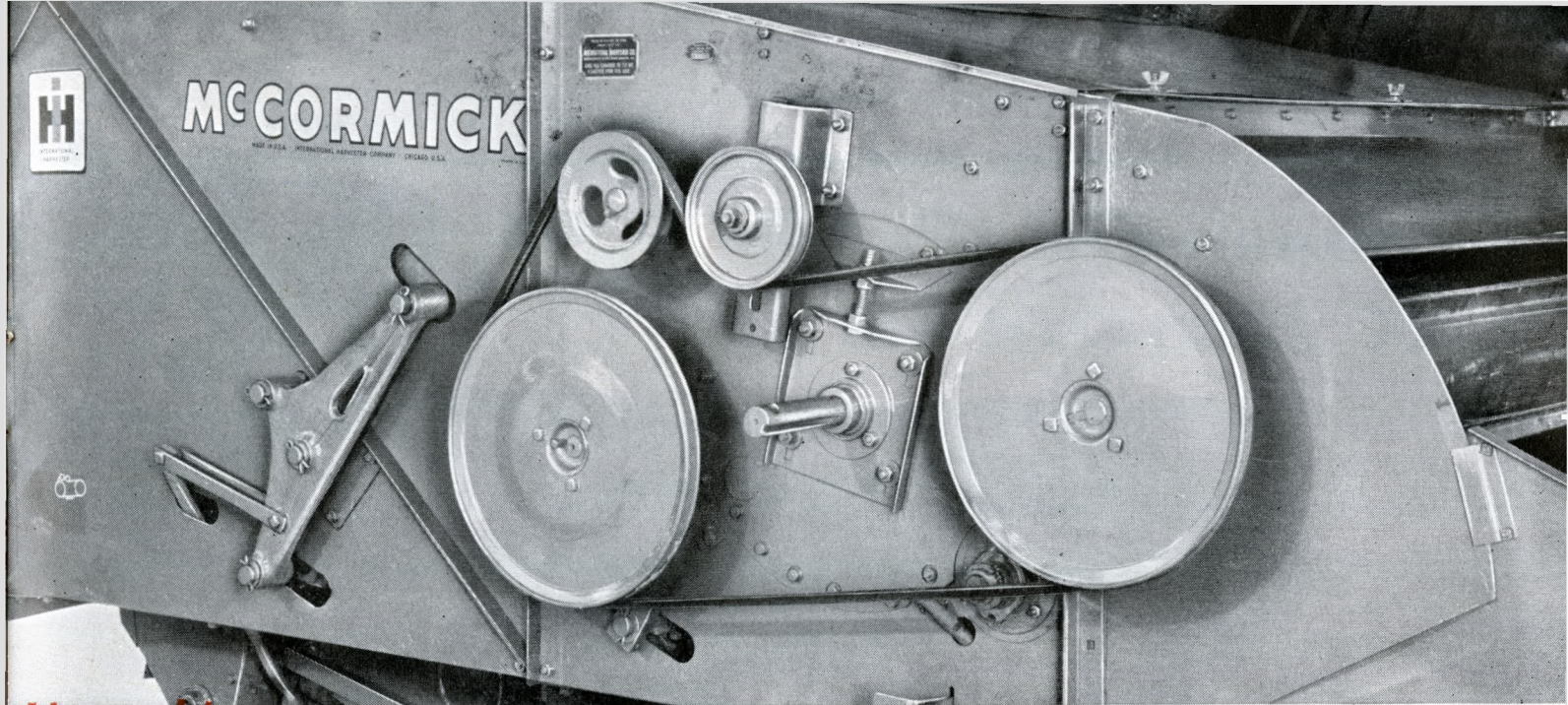


STURDY STEEL A-FRAME. The ruggedness of the No. 76 main frame is another good example of the quality construction the combine gives you. The A-type frame is made of sturdy channel steel. Members are welded and braced to form a frame that will stand the stresses and strains of season after season of harvesting.

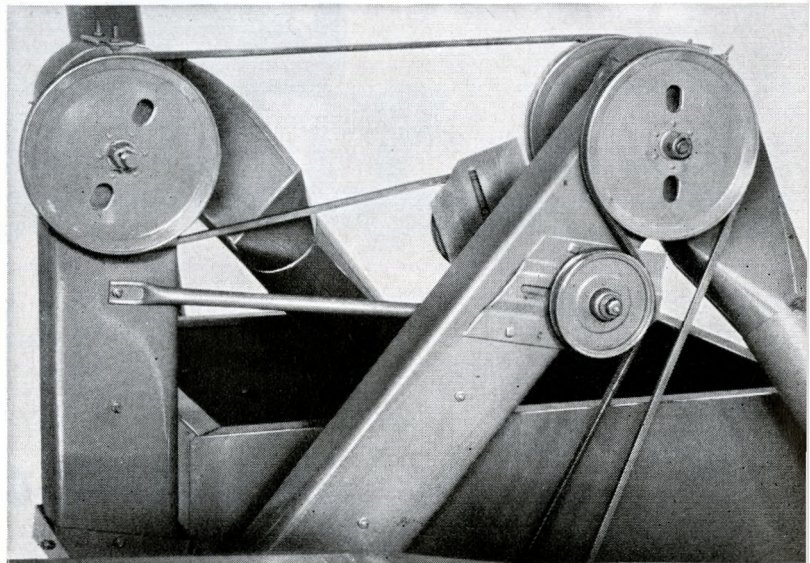


SEALED BEARINGS LUBRICATED FOR LIFE. Major working units of the McCormick 76 are equipped with sealed, self-aligning bearings that are lubricated for life. They cut "ready" time to a matter of minutes. They also reduce the risk of excessive wear and costly down time caused by dry bearings.

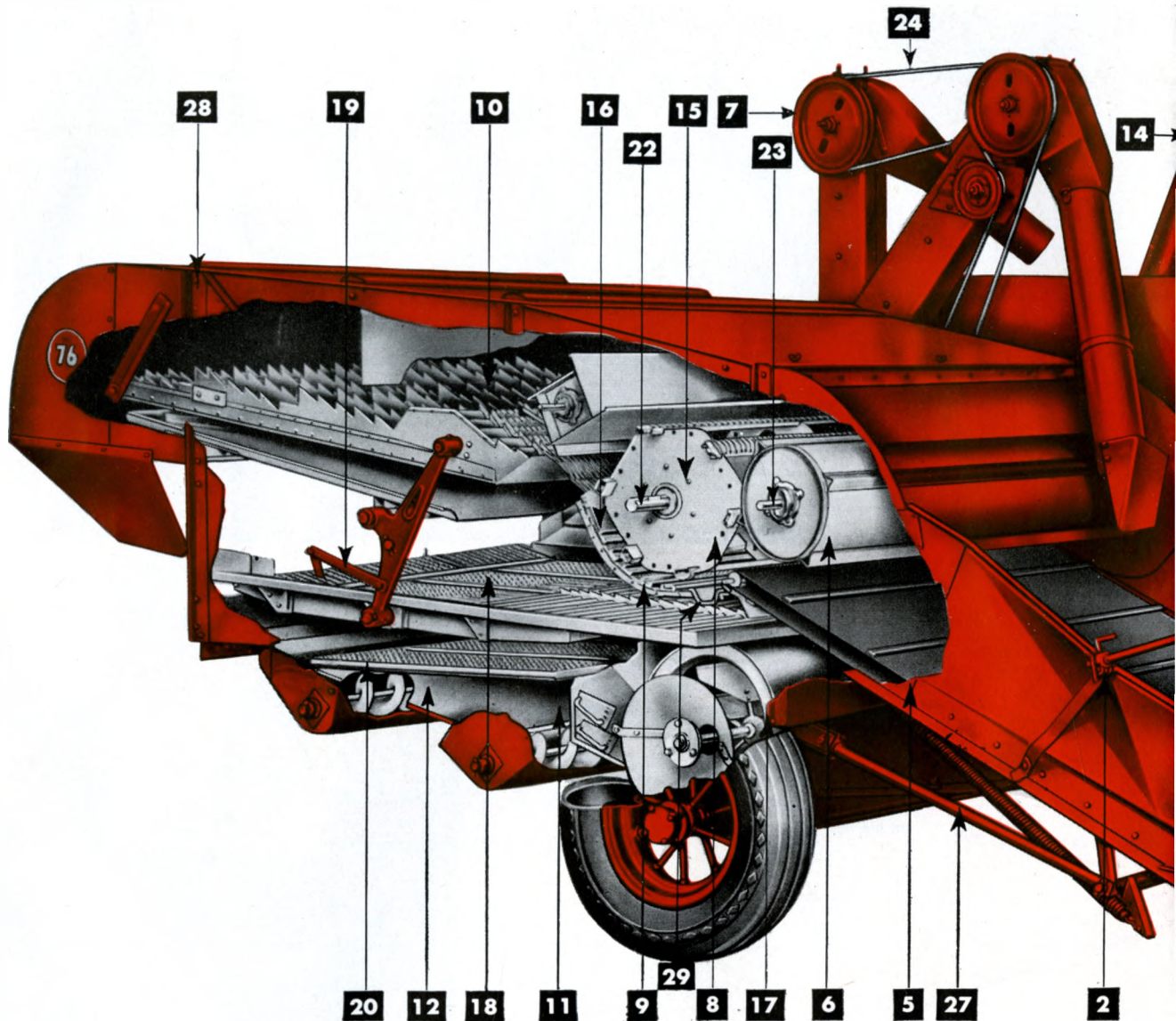




QUIET, EASY-RUNNING V-BELT DRIVES. The drives on the McCormick 76 are short and direct . . . and most of them are equipped with V-belts. This helps assure you extra seasons of dependable performance . . . also keeps maintenance costs low. Teamed with the life-lubricated bearings, the extensive use of V-belts make the No. 76 one of the quietest and easiest running combines on the market.



PROVED ON THE IH TORTURE TRACK. Sure proof of the over-all dependability of McCormick combines is found on the "torture" track at the IH factory. During these tests, the combines must prove their mechanical dependability to the satisfaction of the hard-to-please test engineers. The machines must "survive"—and operate efficiently under conditions that no combine will ever face in the field.



...performance

- 1** 7-foot cutter bar
- 2** Reel position fully adjustable
- 3** Adjustable-pitch bats
- 4** Cutting height range of 2 to 35 inches
- 5** Low-angle feeder
- 6** Drum-type cylinder beater
- 7** Top driven elevators

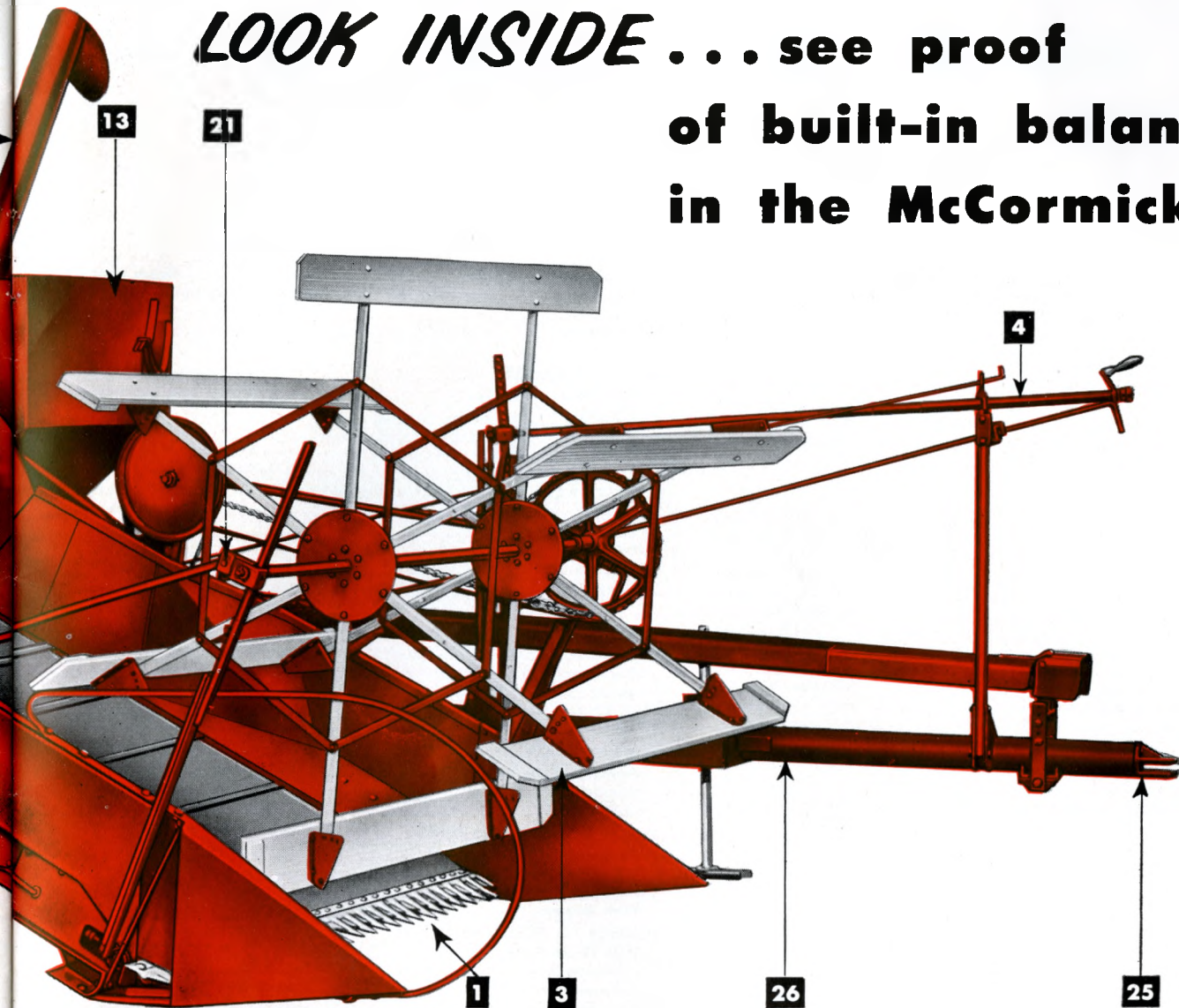


...capacity

- 8** Full-width rasp-bar cylinder
- 9** Full-width concave
- 10** Extra-long, wide straw rack
- 11** Big, one-piece shaker unit
- 12** Opposed-action cleaning shoe
- 13** 30-bushel grain tank
- 14** Big-diameter auger unloader

29 Stone Retarder

LOOK INSIDE . . . see proof of built-in balance in the McCormick 76



... versatility



... dependability

- 15** Cylinder speed range of 650 to 1600 rpm
- 16** Accurate clearance adjustment
- 17** Positive wind control
- 18** Adjustable chaffer
- 19** Adjustable chaffer extension
- 20** Adjustable shoe sieve
- 21** Choice of pto or engine drive

- 22** Sealed, life-lubricated bearings
- 23** Self-aligning bearings
- 24** Y-belt drives
- 25** Heavy-duty adjustable tractor hitch
- 26** Sturdy A-frame
- 27** Tubular steel axle
- 28** Sturdy steel body



McCormick 76 Harvester-Thresher

SPECIFICATIONS

Separator unit speeds are based on high idle (no load) or (with engine running at full throttle and separator running empty) engine gear reduction jackshaft speeds of 1,000 r.p.m. (plus or minus 9) for the I H 2 3/4 x 2 3/4-inch Engine and 1,019 r.p.m. (plus or minus 9) for the I H 3 x 4-inch Engine.

In order to obtain comparable speeds for power-driven machines, the tractor power take-off speed should be such as to give a speed of approximately 565 r.p.m. on the cylinder beater shaft or approximately 233 r.p.m. on the shaker shaft when the tractor has no forward speed and the separator is running empty.

RIGHT-HAND CUT

Width of cut with gather.....	{ (6-Foot Feeder) 74 1/4 inches
	{ (7-Foot Feeder) 84 inches
Cutting length of cutter bar.....	{ (6-Foot Feeder) 72 inches
	{ (7-Foot Feeder) 78 inches
Height of cutting range.....	2 to 35 inches
Type of feeder.....	Canvas conveyor
Width of feeder.....	64 1/2 inches
Width of canvas.....	63 1/2 inches
Speed of canvas.....	275 feet per min.
Canvas drive roller.....	Rubber covered
Canvas take-up adjustment.....	Straps and buckles
Knife speed.....	398 strokes per min.
Guards.....	Straight 3-inch spaced
Feeder height control.....	Crank operated from tractor seat

REEL:

Type of drive.....	Power-Regular
Speeds.....	19-25 and 29 r.p.m.
Diameter.....	60 inches
Number of bats.....	6 regular, conversion to 4 bats
Type of bats.....	Adjustable pitch
Adjustment of reel.....	Manual-Regular

CYLINDER:

Width.....	64 inches	
Bearings.....	Self-aligning sealed ball bearings	
Drive.....	V-belt	
Speed {	Regular—Variable.....	600 to 1,600 r.p.m.
	Special—Variable.....	422 to 736 r.p.m.
	Special—Variable.....	264 to 453 r.p.m.
Cylinder and concave clearance made by.....	Raising or lowering of cylinder	
Spring tooth cylinder and concave (for edible beans)		
Flail type cylinder (for special crops)		
Stone retarder (regular equipment)		

*CONCAVE.. Reversible steel channel bar with removable slotted grate

Number of bars.....	5	
Size of grate openings {	3/8 x 1 1/4-inch slots.....	Regular
	5/8 x 3/4-inch slots.....	Special
	1/4 x 1-inch slots.....	Special
	3/8 x 1 1/4-inch slots.....	Special
Blank.....	Special	

AREA OF CONCAVE GRATE SEPARATION (Regular)..... 118 sq. in.

WIDTH OF THRESHER (rear)..... 64 3/4 inches

LENGTH OF SEPARATING SURFACE (center of cylinder to end of rack)..... 77 inches

TYPE OF THRESHER..... Unit rack

TYPE OF CHAFFER..... Adjustable fin

Width and length..... 37 3/4 x 31 9/16 inches

Cleaning area..... 1,192 sq. in.

TYPE OF CHAFFER EXTENSION..... Adjustable fin

Width and length..... 37 3/4 x 11 inches

Cleaning area..... 415 sq. in.

TYPE OF SHOE SIEVE..... Adjustable fin

Width and length..... 37 3/4 x 31 9/16 inches

Cleaning area..... 1,192 sq. in.

FEED BEATER..... Drum type
Bearings..... Self-aligning sealed ball bearings
Diameter..... 12 inches
Length..... 64 inches
Speed..... 248 r.p.m.

CYLINDER BEATER..... Four-wing box type
Bearings..... Self-aligning sealed ball bearings
Diameter..... 12 inches
Length..... 64 inches
Speed..... { Regular—568 r.p.m.
Special—389 r.p.m.

STRAW RACK..... One piece—11 sections (oscillating type)
Length..... 57 inches
Width..... 64 3/4 inches
Speed—cycles per min..... 233
Number of square inches separating area..... 3,690

NUMBER OF CHECK FLAPS ABOVE STRAW RACK..... One (adjustable three positions)

CLEANING FAN..... Undershot type—6 blades
Bearings..... Self-aligning sealed ball bearings
Diameter..... 14 7/8 inches
Speed..... { Regular—973 r.p.m.
Special—760 r.p.m.

TOTAL CLEANING AREA including chaffer extension . . . 2,799 sq. in.

SHAKER SHAFT:

Bearings..... Self-aligning sealed ball bearings
Pitman crank bearings..... Sealed ball bearings
Speed..... 233 r.p.m.

NUMBER OF BALL BEARINGS

With Grain Tank
Engine drive..... 14
Power drive..... 13
With Bagger..... 12

NUMBER OF ROLLER BEARINGS

With Grain Tank
Engine drive..... 18
Power drive..... 15
With Bagger..... 14

NUMBER OF V-BELT DRIVES

With Grain Tank
Engine drive..... 9
Power drive..... 8
With Bagger..... 7

NUMBER OF CHAIN DRIVES..... One (drives reel)

LENGTH OF MACHINE—overall..... 20 feet 4 inches

WIDTH OF MACHINE

Bagger..... 10 feet 3 1/2 inches
Grain Tank
Operating position..... 14 feet 10 inches
Transport position..... 11 feet 4 inches

HEIGHT OF MACHINE

Bagger..... 8 feet 2 1/2 inches
Grain Tank
Operating position..... 9 feet 4 inches
Transport position..... 8 feet 2 1/2 inches

GRAIN TANK CAPACITY..... 30 bushels

Type of unloader..... Auger elevator

MAIN WHEELS—Pneumatic..... 2

Bearings..... Bronze

Size of tires..... 7.50-16

Tread..... 101 inches

RECLEANER AVAILABLE..... ScourKleen

TYPE OF POWER SOURCE..... { Engine-drive
Power take-off

Specifications are subject to change without notice.

*Bar and wire grate also available.

There's a **McCormick Harvester-Thresher** to match your acreage . . . your harvest

With four models from which to choose, there is a McCormick harvester-thresher to fit your acreage, suit your crop

and match your power with tailored accuracy. And, like the McCormick No. 76, each of these McCormick combines gives you built-in balance for peak operating performance to put more, cleaner grain in your tank . . . and help you do it at lower costs with less effort. For additional information on any of these machines see your local International Harvester dealer.



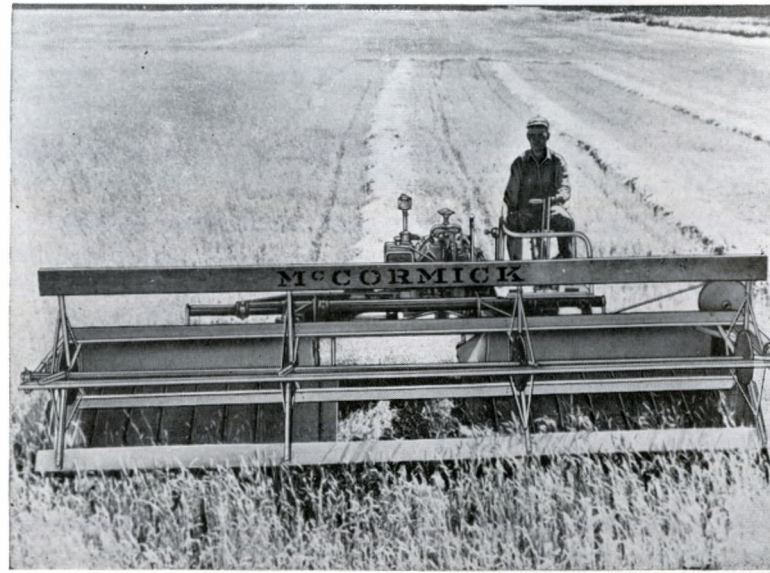
BIG No. 141 SELF-PROPELLED makes quick work of large-acreage harvests. IH variable-speed propulsion drive lets you pick any one of an uncalculated number of travel speeds—and change on the go. You raise 10, 12, or 14-foot platform hydraulically . . . empty 50-bushel grain tank without stopping. IH 64-hp engine insures sure, steady power for the toughest going.



BIG No. 140 PULL-TYPE has a 9-foot hydraulically controlled pickup platform, or a 9-foot platform with a three-foot extension for direct cutting of a full 12-foot swath. Gives you capacity and performance advantages of No. 141 to clean-thresh windrows from as large as 15-foot swath. Grain tank has 45-bushel capacity, and you have a choice of engine or pto drive.



No. 101 SELF-PROPELLED is a new 10-foot Harvester-Thresher with every modern feature. The operator's platform is high up out of the dust for comfortable operation through its three gears .96 to 13 mph speed range. Hydraulically controlled to cut from the ground up to 33 inches, the big 28-inch cylinder and separator give the No. 101 extra capacity to save more clean grain per acre for you.



NEW No. 163 SELF-PROPELLED WINDROWER is the only machine of its type built by a major manufacturer in 12, 14, or 16-foot sizes to fit the needs of all farms. You have complete visual and functional control with exceptional maneuverability to windrow at faster speeds . . . to save money. There's no waste from "run over grain" when you open the field at any point you desire.



See why it will pay you to

own the McCormick 76...

the only combine in its class with built-in balance



SEE THE McCORMICK 76 IN ACTION! Get firsthand proof of the benefits of IH built-in balance. See for yourself how it gives you grain-saving performance, extra capacity, unequalled versatility and sure dependability.



DISCOVER HOW YOU'LL PUT MORE, CLEANER GRAIN IN THE TANK of the McCormick 76. Take a close look at the seed-clean grain. Also notice there is little, if any, cracking in the most delicate crops.



SEE HOW LITTLE GRAIN YOU FIND BEHIND THE NO. 76. Compare this with what you've seen behind other machines! The grain-free straw from the McCormick 76 furnishes further proof of the benefits of IH built-in balance.



REMEMBER THAT YOUR NEW NO. 76, like all McCormick farm equipment, is backed by prompt, dependable IH dealer service. As a McCormick 76 owner, you'll know that you can get service or parts when you want them.

Specifications subject to change without notice.

INTERNATIONAL HARVESTER COMPANY OF CANADA, LIMITED
HAMILTON ONTARIO