

\$7390.00

**McCORMICK**  
INTERNATIONAL®

# 203 COMBINE

13 or 10-foot platform... corn head available

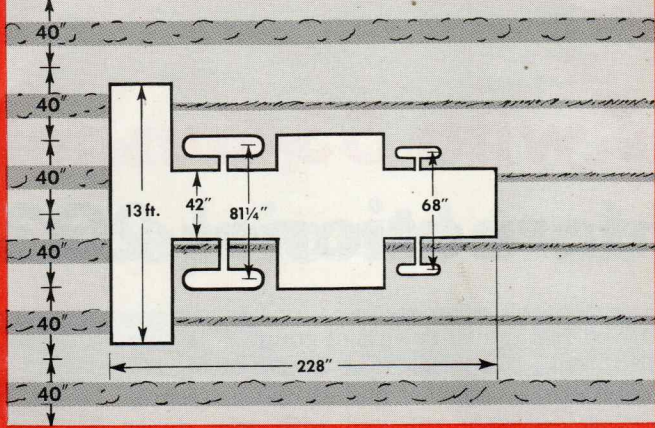


# Row crops or small grain . . . harvesting's easier, savings are bigger with the 13-foot International 203

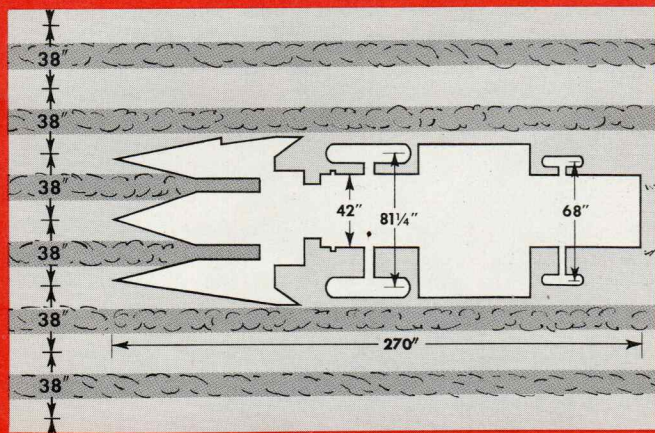


- **Twin, low-slung grain tanks hold 53 bushels**
- **Three-section rotary straw racks—30 sq ft separating area**
- **Opposed-action cleaning—23.7 sq ft cleaning area**
- **10-foot platform available**
- **Top-mounted 55-hp IH overhead-valve engine**

If you grow row crops as well as small grain, here's a machine that is tops in versatility . . . and it's priced far below what you'd expect to pay for a big-capacity 13-footer. The 13-foot platform is ideal for combining 4 rows in 38, 40 and 42-inch plantings. Dividers center in the rows for minimum shattering. For corn harvest, mount the 227 corn head (page 13) and roll through the trashiest corn without stopping. In high yielding corn you'll especially appreciate the 53-bushel capacity of the 203 grain tanks. They boost traction in muddy fields too, by putting the shelled corn weight equally on drive wheels. The 203 makes your combine dollar go further.



**Adjustable right-hand divider** on grain platform can be set straight ahead for combining 38-inch rows to reduce shattering of next row, or set out to increase width of gather about 3 inches. **Built-in wheel shields** on corn head protects unpicked rows.



### Row-matched tread front and rear for corn

Main wheels and guide wheels are spaced to straddle the rows to simplify staying on the row and make steering easier. Main wheel tread is 81 1/4 inches with 13-inch tires, guide wheel tread is 68 inches. Both wheels won't climb ruts or ridges at the same time for corn. The corn unit will harvest 36, 38, 40 and 42-inch rows.

**Twin grain tanks** hold 53 bushels—are low slung to give the 203 exceptional sidehill stability. They distribute the grain load equally on both drive wheels to improve traction. Their 53-bushel capacity is tops by far in this class. Selective load control lets you fill either tank separately or both tanks at the same time.

**Platform is centered.** The 13-foot platform is centered with the drive wheels... cuts 4 rows of beans with dividers centered between rows for minimum shattering. Cutting range is from 2 7/8 inches below wheel level to 30 1/2 inches above, with 14.9/13—24 tires. A 10-foot platform is also available for cutting 3 rows.

**Short turning radius.** The 203 helps reduce nonproductive field time by speeding turns at the end of the field even in tight spots. Automotive-type steering linkage gives instant response. Individual wheel brakes help in tight turns. Power steering (special) gives effortless control.

**Wide speed range** of the 203 combine lets you cut at just the right speed in every crop or condition. The heavy-duty 3-speed transmission has extra strength for long life under difficult operating conditions. Just ease the variable-ground-speed-control lever forward to speed up... back to slow down. Creep along at 3/4 mph or drive to the next field at better than 12 mph.



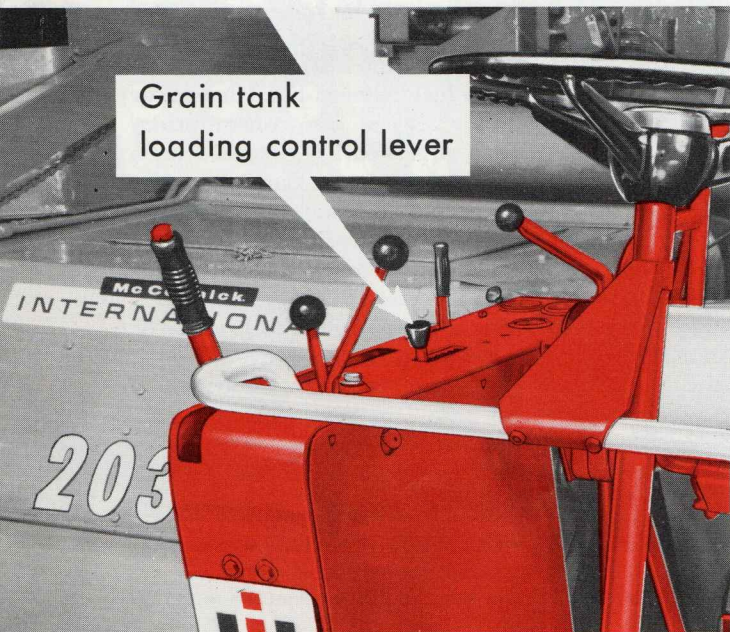
# Twin grain tanks with 53-bushel give the International 203

- Side-mounted tanks maintain low center of gravity even when fully loaded
- Grain load is evenly distributed on both drive wheels for "keep going" traction in treacherous footing
- Selective load control

The 203 holds a full 53 bushels of grain. Twin side-mounted tanks keep this load low, and equally distributed for exceptional stability and traction. The 203 is perfectly balanced with grain tanks empty, partially or completely filled. Pick your way across a steep slope or slog through a muddy field with confidence. Load selector on instrument console lets you fill one tank at a time, as in contoured crops, or both together. Operator has excellent view of grain in tanks without leaving his seat. Rear portion of tanks is covered to let you fill them heaping full without spillage loss. Big top-driven elevator and cross auger fill tanks fast, never get behind in heaviest-yielding crops.



# capacity exceptional stability and traction



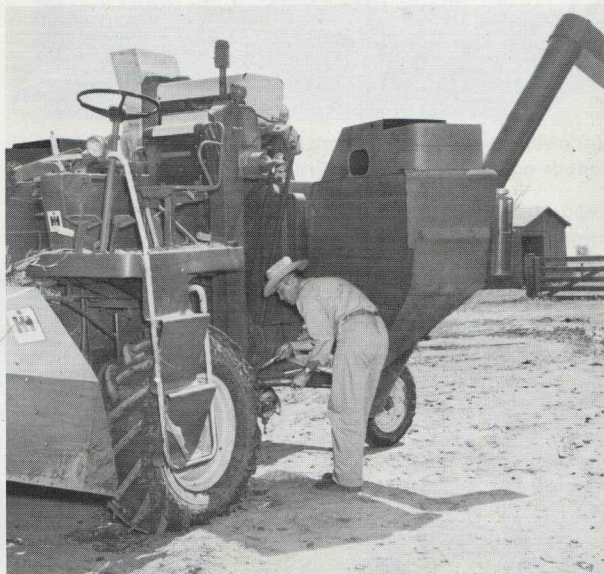
Grain tank loading control lever

## Fill one tank at a time, or both together

Selective load control gives you complete flexibility in filling the twin tanks. When harvesting side slopes, as in contour farming, you can fill the uphill tank first, to offset the weight shift to the downhill side. Merely move the control lever forward or back to fill either tank first, or to the center to fill both together. Large clean grain elevator delivers grain to cross auger running between tanks.

## Unload as fast as 75 seconds!

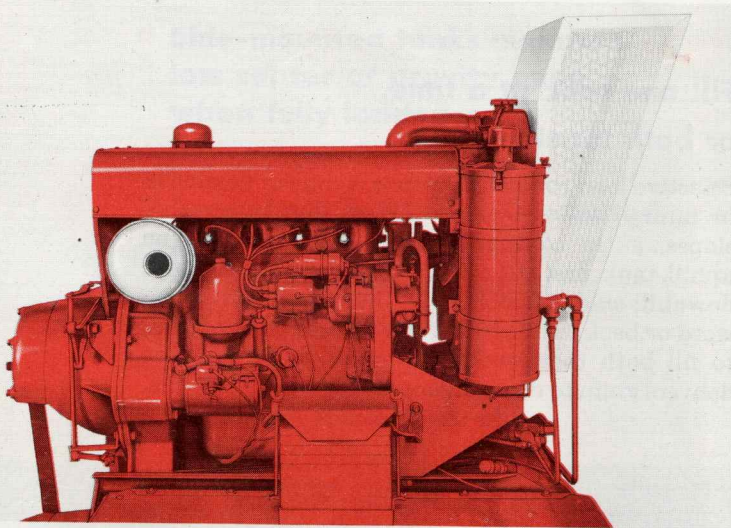
High-speed grain unloading system of the 203 empties both tanks in as little as  $1\frac{1}{4}$  minutes. Large-diameter cross auger under both tanks connects with unloading auger. Auger clears  $9\frac{1}{2}$ -foot truck sides, swings back for transport. Unload on-the-go or standing still.



## Swing left tank out for access to drives

Left grain tank is hinged at the rear . . . just unlatch and swing it out for access to the separator and propulsion drives. No maintenance is required behind the right-hand grain tank. All adjustments and lubrication points are easy to reach. The fully accessible engine, roomy access doors to straw racks and cylinder, and easy cylinder clearance adjustments are just a few of the many convenient service features of the 203 that cut your make-ready time to the minimum . . . get you into the field earlier.

# Power to spare for bumper crops or muddy fields



## 55-hp IH-built engine is top-mounted for best balance . . . servicing ease

This 153-cu-in. engine has valve-in-head design for snappy performance with low fuel consumption. It delivers 55 hp at a governed 2,500 rpm. Here's power that won't let you down . . . keeps on working hour after hour and season after season. Engine with high altitude pistons is available.

The engine is top-mounted, out of dust and chaff for excellent cooling and longer engine life. Top-mounting also reduces fire hazard. Big radiator screen provides clean air to the radiator. Engine hood protects engine from weather without interfering with servicing ease . . . a front shield is available. Electric fuel pump delivers fuel to the engine the instant you turn on the switch. Fuel tank is mounted low, holds 25 gallons for easier and fewer fillings.

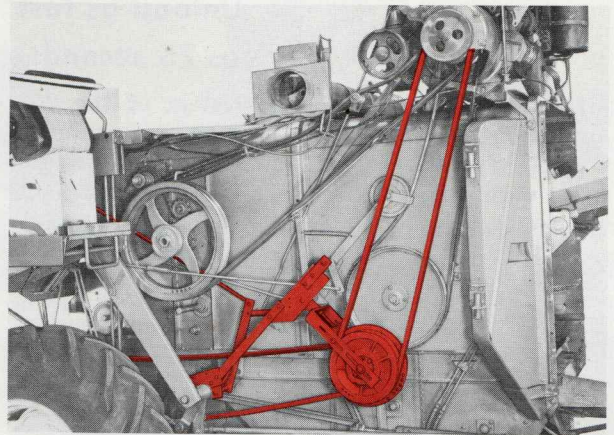
## MATCH SPEED EXACTLY TO THE JOB FOR GREATEST HARVESTING EFFICIENCY

- Variable speed drive gives you on-the-go speed changes in each speed range
- 3-speed transmission has extra capacity for long life

Three-speed transmission and variable-speed drive give you the same crop-matching flexibility found in the largest International combines. Creep along as slow as  $\frac{3}{4}$  mph to save grain in lodged or tangled crops . . . move briskly through light crops at an acre-eating pace. You transport at better than 12 mph . . . get to the next field in a hurry. The wide overlap between gear ranges lets you speed up or slow down . . . reduces shifting. Foot clutch and smooth-working shift lever make gear changes easy.

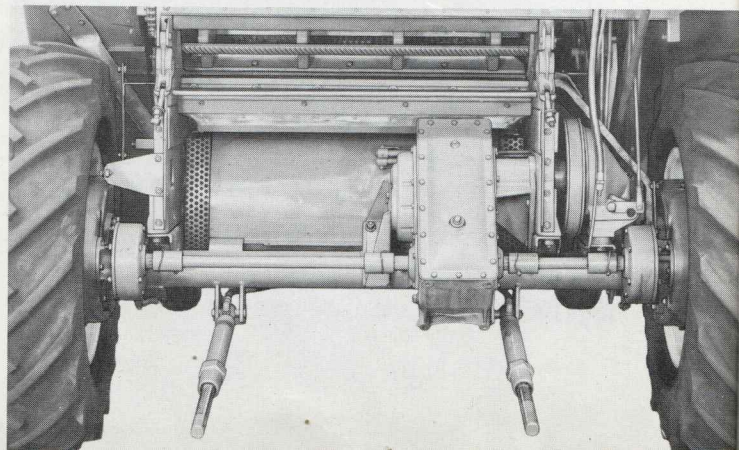
Husky main axle easily carries the weight of combine with fully loaded grain tanks. The stub axles transmit power from transmission to final drives at wheels. Individual wheel brakes permit abrupt turns—pedals can be locked together for safe stops at transport speeds.

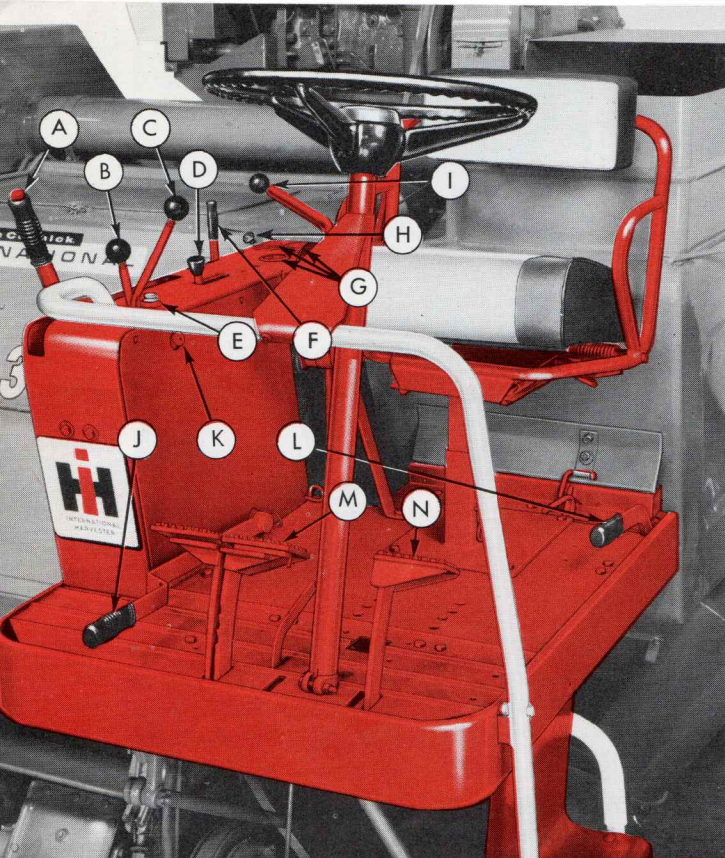
The combine speeds with popular 14.9/13-24 tires are .74 to 2.15 mph in 1st speed range; 1.63 to 4.72 mph in 2nd; 4.15 to 12.06 in 3rd; and 1.69 to 4.89 mph in reverse.



Variable-speed drive is ruggedly built—lets you change speeds on the go, in each speed range.

Rugged 3-speed transmission has strength equal to those on larger combines . . . last longer.





**Operator's platform** is located on the left side of combine so you get a clear view of the entire header . . . check grain in the tanks or unload with a good view all around.

Controls are easy to operate and instruments are easy to see:  
**(A)** Variable ground speed. **(B)** Hydraulic reel lift (Special).  
**(C)** Platform hydraulic lift. **(D)** Grain tank loading. **(E)** Engine starter button. **(F)** Throttle. **(G)** Ammeter, oil pressure and temperature gauges. **(H)** Choke. **(I)** Gearshift. **(J)** Feeder and separator drive. **(K)** Ignition switch with key. **(L)** Grain tank unloader. **(M)** Brakes. **(N)** Transmission clutch.

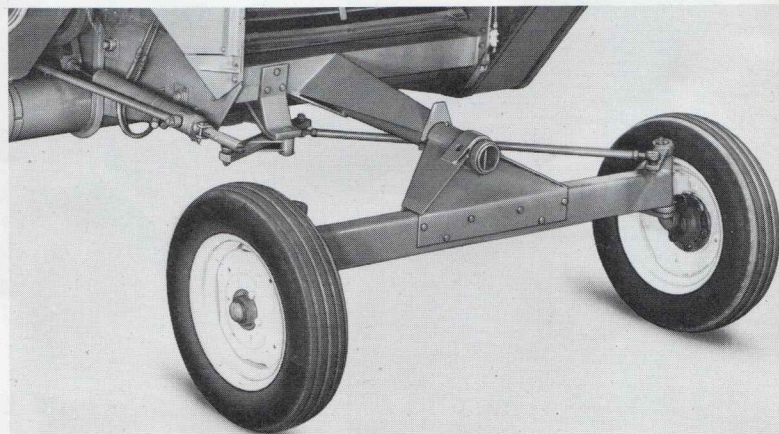
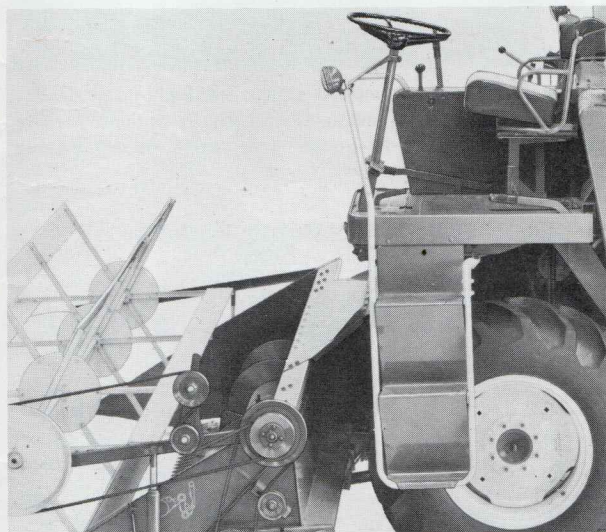
**Deep steps and sturdy hand rail** make it easy to mount to the operator's platform, safely and surely.

## **Power steering is available to make handling even easier**

If you want fingertip ease of handling, your 203 can be equipped with effortless power steering. Cylinder mounts on drag link — is close to separator for protection from trash. Wheel is placed to keep you comfortable after hours in the field. Automotive-type steering linkage gives you instant response. Wide rear axle (68-inch tread) is standard on the 203 — you don't have to buy a special extension for row crop harvesting.

## **Roomy platform . . . responsive controls, add up to real operating ease**

Operating the 203 is like driving a fine automobile free of the irritation and discomfort you may have come to feel are a part of combine operation. The 203 has a man-size deck with room to stand if you choose. Standard upholstered seat has extra padding for your comfort — is adjustable to fit you. You mount on "stair steps," not slippery pipe rungs, and there's a hand rail for even greater safety. All controls work easily . . . have a natural motion. You move them forward to engage or speed up a drive . . . back to slow or disengage. Ignition lock prevents children or unauthorized persons from starting engine.



# Cut thin or heavy stands with 13-foot deep-shelf platform

Take a look at this grain-saving platform . . . see how its deep-set auger gives you the "shelf" to save more grain. You'll cut faster . . . have less shattering . . . less grain loss at the cutter bar.

**Deep shelf design** helps you save grain where stands are short and thin because the auger is farther



**Grain dividers** are standard equipment. Right-hand divider can be set in or out 3 inches. Left divider is stationary. Knife sections are heavy, 11-gauge steel, same as on the big International combines.

back and out of the way . . . lets you set the reel closer to the knife . . . deliver cut grain to the auger before it can be lost.

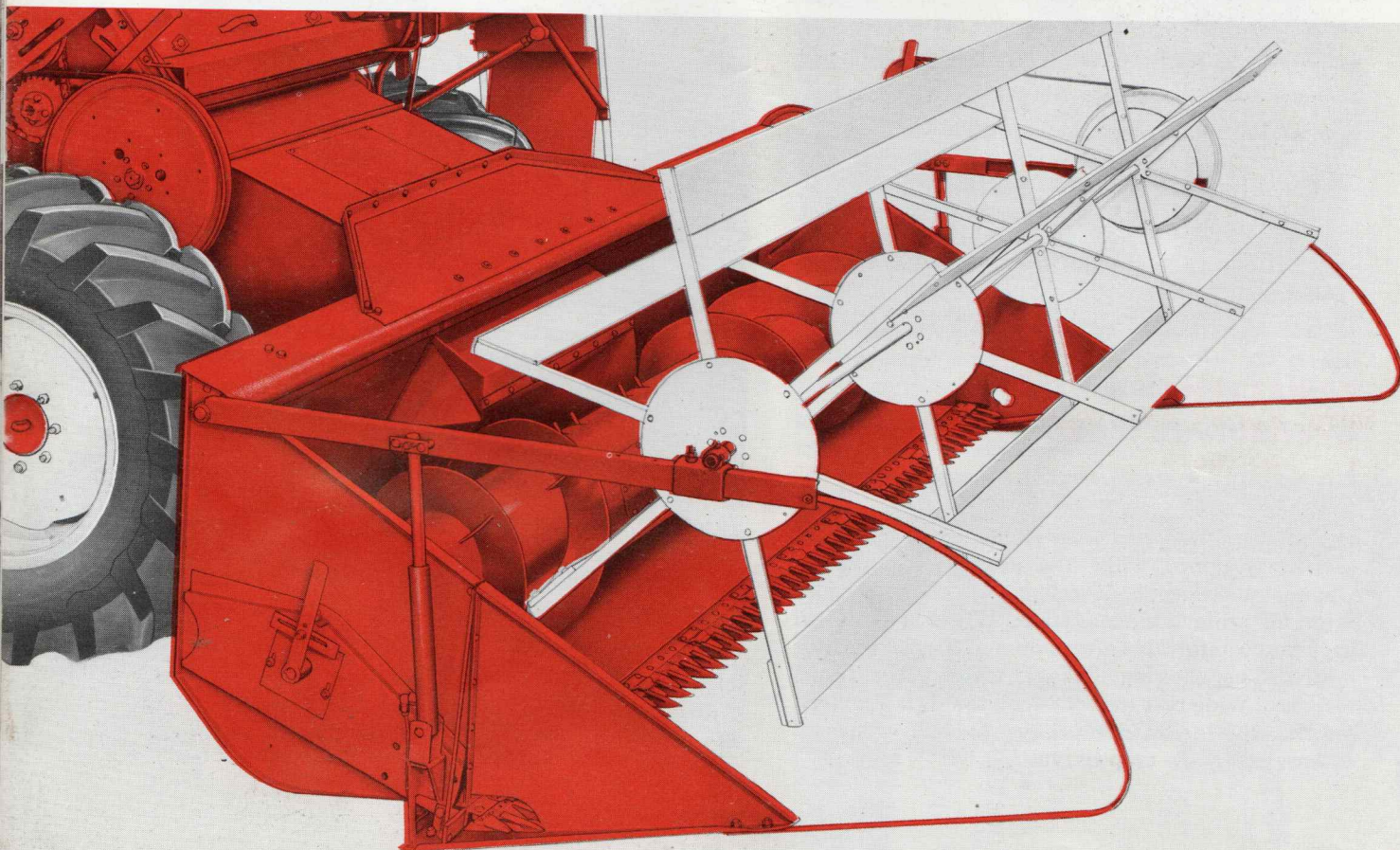
**Big 20-inch auger** (18 in. on 10 ft.) is set deep to leave more room between the knife and auger flights. You get smoother feeding in tall tangled crops . . . harvest sorghums without buying a cutter bar extension. Retracting fingers are replaceable, individually.

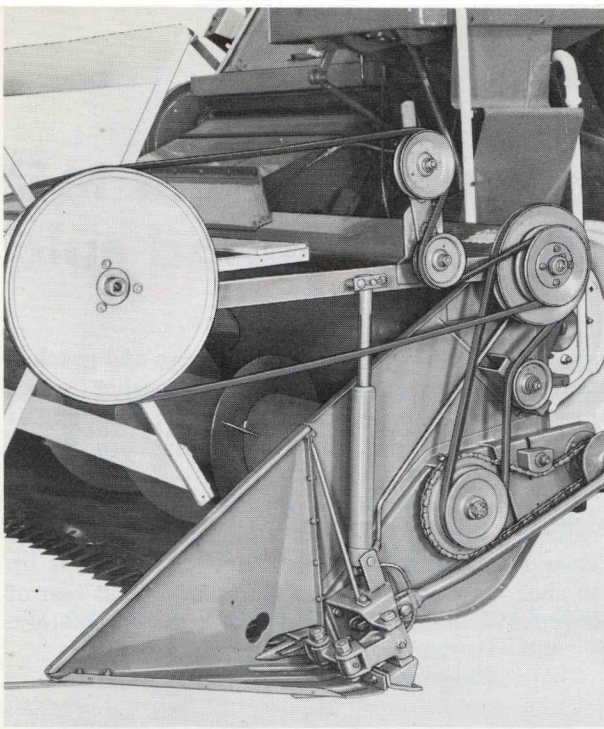
**Twin hydraulic cylinders** give you quick, precise control of cutting height. You can cut  $2\frac{7}{8}$  inches below wheel level or 30 inches above (with 14.9/13-24 tires) to top tall-growing crops or reduce the volume of straw intake.

**Forged steel knife guards** and heavy-duty sections cut clean in heaviest crops with minimum wear and breakage.

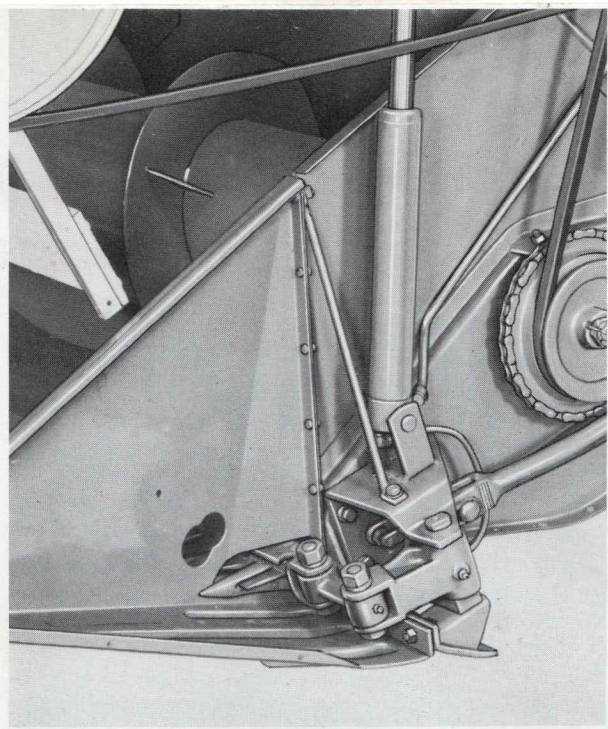
**Variable-speed reel** lets you match reel speeds to crop conditions and rate of travel . . . slow-speed pulleys are available.

**Rugged knife drive.** Universal joint connection has needle bearings, is pressure lubricated. Drive is on left side of platform, away from standing grain.





**Control reel height on-the-go** with hydraulic lift (special). Match height to crop instantly—no stopping, no lifting. Hydraulic cylinder on left side of platform is shown.



**Slack-free knife drive** has universal joint drive with friction-reducing needle bearings. Grease fitting provided for positive lubrication. Simple adjustment keeps knife centered in guards.



**10-foot platform** is available. This 10-footer lets you harvest 3 rows of soybeans, is ideal for windrow harvesting, when equipped with pick-up attachment (page 14).

### **Sure, bunch-free feeding in heaviest crops**

Cut low to save grain in down and tangled crops without a worry of plugging. The wide "throat" of the 203 handles large amounts of straw easily. The self-adjusting undershot feeder delivers an even flow of cut grain to the cylinder. Rugged steel slats are carried on two husky steel roller-chains . . . complete shielding prevents wrapping or back-feed inside the feeder. Feeder floats at the lower end to grip straw firmly. Lock feeder in place, to comb out fluffy or bunchy windrows if necessary.



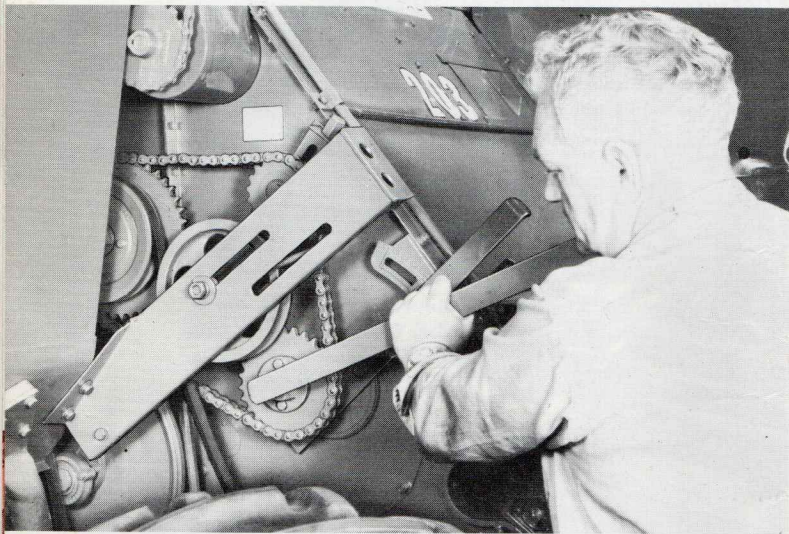
# Big threshing capacity for all crop conditions

The big 42-inch width of the 203 separator lets you thresh clean with less power . . . fewer chances of slugging. Threshing takes place over a big, rugged 483 square inch concave with an open bar and wire grate. Up to 90% of the grain is separated instantly . . . not dragged across closed concave where it may be split or cracked.

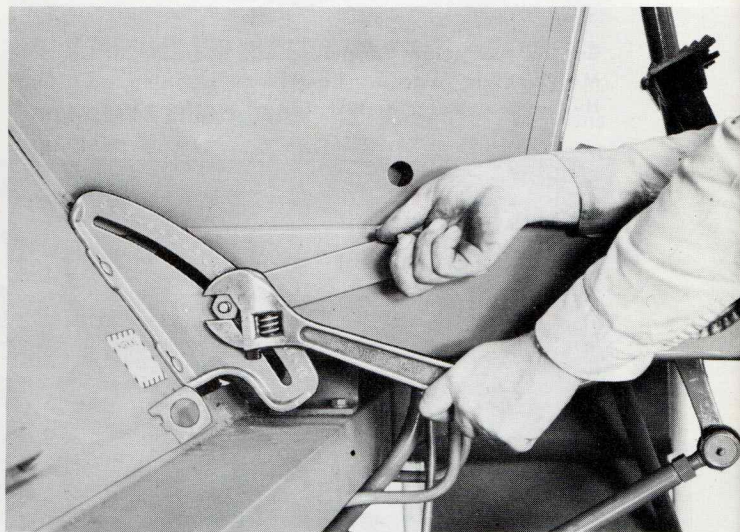
The cylinder is precision balanced, chain driven by interchangeable sprockets, giving a speed range of 436 or 1,290 rpm. Special sprockets increase

speed range to 174-1,535 rpm. You can add notched bars between rasp bars for more aggressive feeding in tough crops, or filler bars for clean threshing at lowest cylinder speeds and for shelling corn. Spike-tooth cylinder is available.

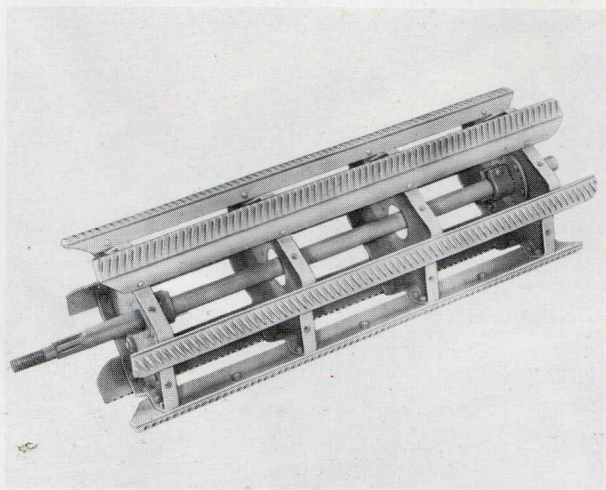
Lever raise or lower the cylinder on precision cams for quick, accurate clearance settings. Set it close to clean-thresh tough crops . . . open it up to shell corn without damage. Clearance at rear of concave is increased or decreased proportionately.



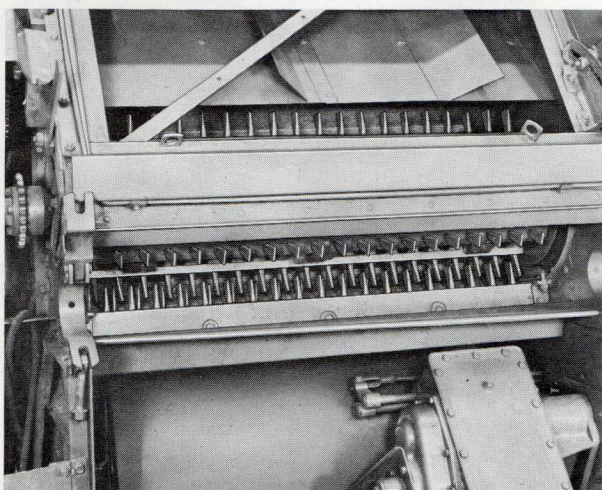
**Chain cylinder drive** gives you positive control of cylinder speed. Sprockets are easily changed to vary speed.



**Concave clearance** is changed by raising or lowering cylinder with convenient levers at either side of separator.



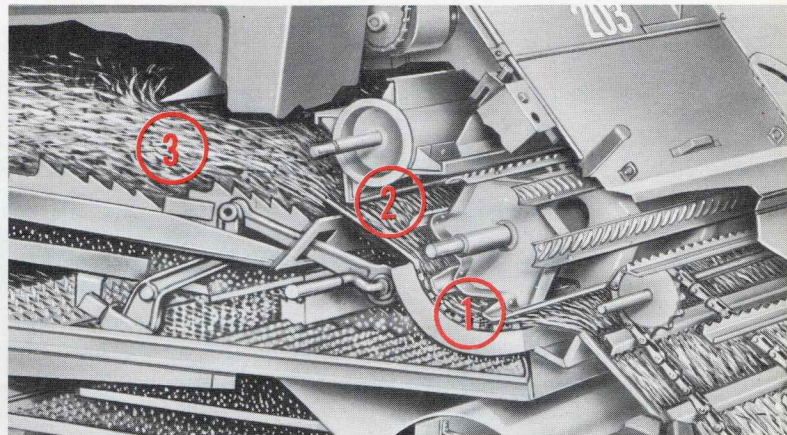
**Big 42-inch wide cylinder** and open grate concave give you cleanest threshing of the widest range of crops. Cylinder is precision balanced for smooth running.



**Spike-tooth cylinder** gives extra-aggressive action for hard-to-thresh crops. Matching spike-tooth concave has open-grate design.

# Get more grain with 3-point separation plus bonus 30 sq ft separating area

- (1) Up to 90% of the separation takes place through the bar and wire grate concave, instantly as grain is rubbed from the head.
- (2) Long finger grate continues separation as the cylinder beater checks the straw . . . spreads it evenly across the straw rack.
- (3) Aggressive tossing action of the extra-long rotary straw racks shakes kernels free of heaviest straw . . . gets all the grain.



Here is grain-saving 3-point separation, pioneered and continuously improved by International Harvester. It starts with the open bar-and-wire grate concave . . . continues with the long finger grate . . . is completed by the 3-section rotary straw racks.

Get less cracking and scuffing because threshed kernels are not held "overtime" under the cylinder.

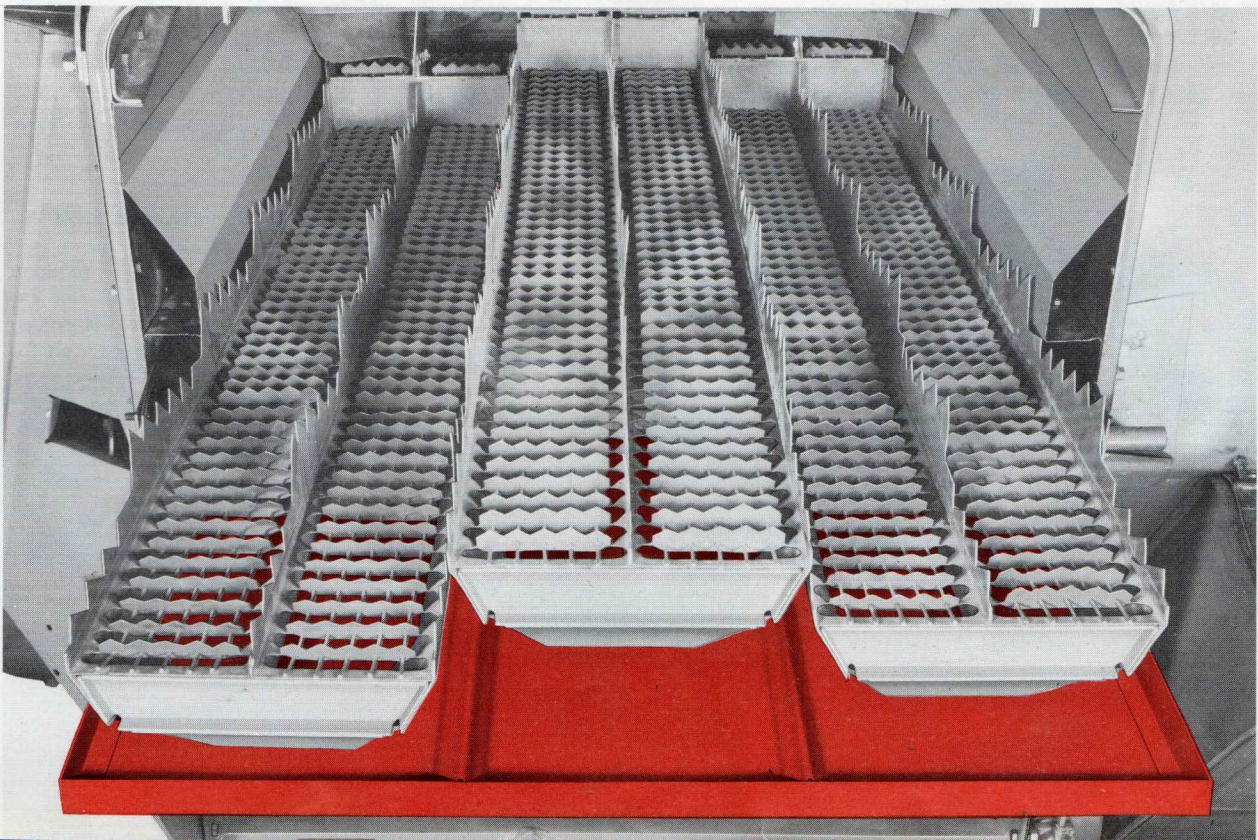
The extra-large 30 sq ft separating area and the efficient finger grate design save more grain.

A full width, completely independent grain pan under the rotary racks catches kernels that fall between the racks as well as those which fall through the racks. The oscillating return pan delivers grain and chaff to the front of the chaffer . . . prevents build up of straw between racks and pan.

## Long, rotary straw racks with separate grain return pan

Three-section racks provide aggressive separation. The 203 straw racks are of the open fin-and-wire type. They have 50% more open area than conventional racks, resist plugging — sift out all the

grain. Racks are 85 inches long . . . toss and shake straw vigorously to free all kernels. Grain pan returns grain to front of chaffer. V-grooves in pan prevent grain from sliding to one side on hillsides.



# Bin cleaner grain in better condition with **INTERNATIONAL** opposed-action cleaning

- **Big 23 $\frac{2}{3}$  square foot cleaning area assures capacity to spare**
- **Opposed action of chaffer and cleaning shoe resists plugging and bridging**
- **Big, fully adjustable cleaning fan to meet your requirements**

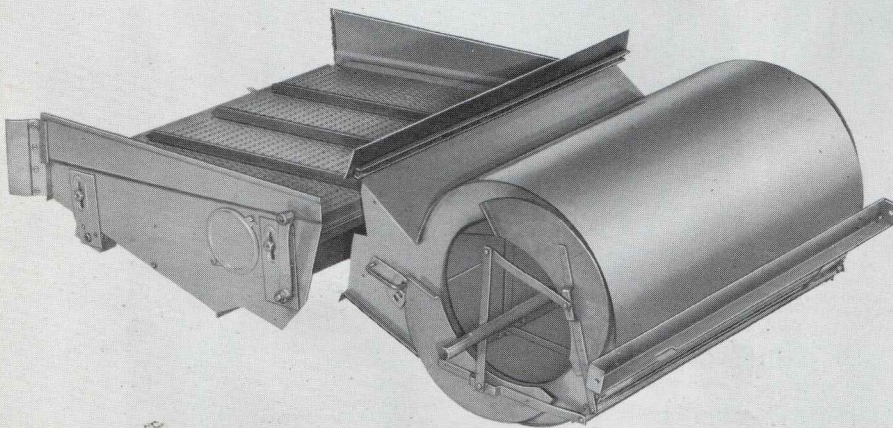
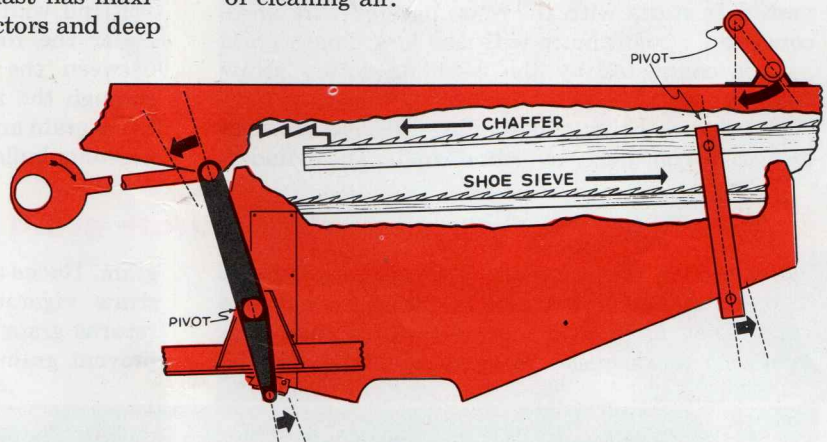
Take a look . . . see why opposed-action cleaning, pioneered by International, is one of the features most wanted by experienced combine men.

Grain pan and chaffer are one rugged unit. Fingers at the back of the pan float coarse material well back, before dropping it on the chaffer. Clean threshed grain and small bits of chaff drop at the front of the sieve, where the wind blast has maximum cleaning effect. Grain pan deflectors and deep

dividers on the chaffer sieve keep grain distributed for best cleaning and add efficiency on hillsides. The adjustable chaffer extension can be angled to suit crop needs.

The big fan is provided with a variable speed sheave, an adjustable shutter-type air intake, and air blast deflector to give you complete control of cleaning air.

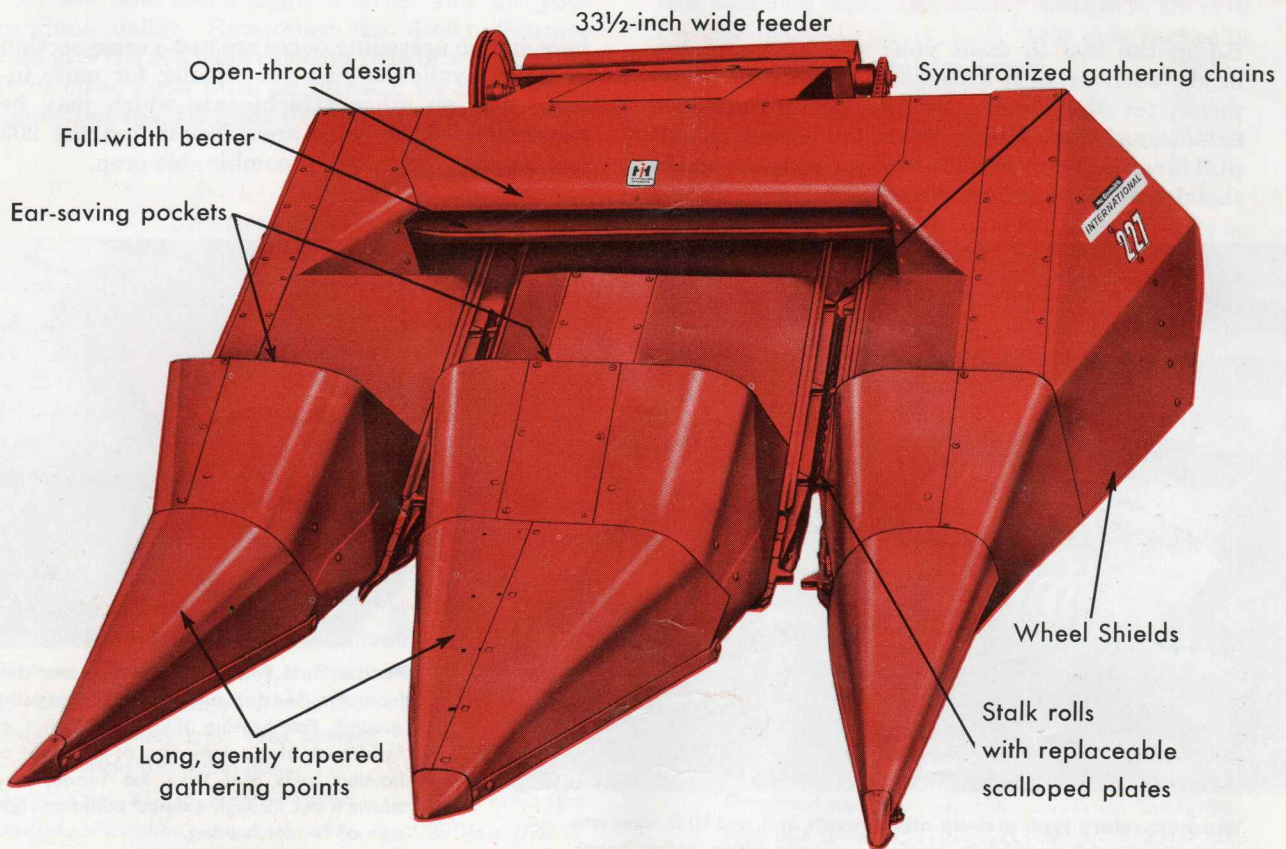
**Opposed-action cleaning** puts more and cleaner grain in the tank. The shoe is driven by rocker arm from the chaffer, sieves always move in opposite directions. Straw cannot bridge between sieves to cut wind and cause chaff blanketing. Counterbalancing effect of opposed action gives smooth, vibration-free operation that adds to operator comfort and machine life.



**Big-capacity cleaning unit** gives you 3,408 sq inches of cleaning area . . . plus full control of wind blast to do a real cleaning job. Chaffer, chaffer extension, and shoe sieves are all adjustable. Special sieves can be added for unusual crop conditions. Cleaning air volume is fully controlled by variable-speed fan drive and by shutter-type air intake opening. Blast deflector directs air for best cleaning effect of every crop. Deep built-in dividers keep grain distributed evenly on hillsides.

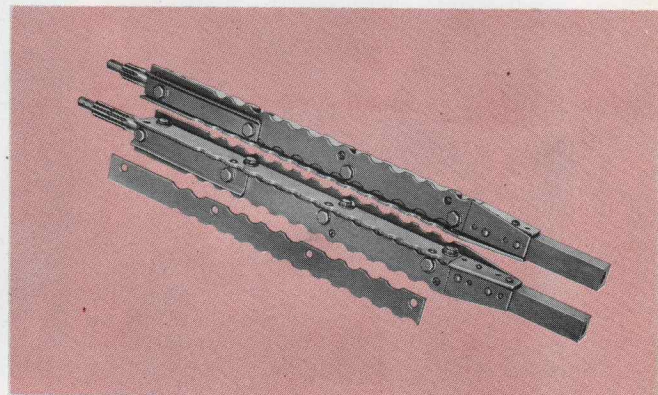
# NEW 227 CORN HEAD

## designed especially for the 203 Combine



The 227's feeder matches the wide separator of the 203. The 33½-inch feeder of the 227 spreads ears across the cylinder to make the most of the big shelling capacity and open concave separation of the 203. New scalloped stalk roll plates, exclusive with International, pull stalks in a straight line

through the rolls without breaking stalks or shaking off weak shanked ears. New open-throat design and wide beater keep ears moving to the feeder even in trashy conditions. Deep pockets in snapping zone prevent ear "bounce-out." Ask for a corn head catalog for additional details.



Stalk rolls have replaceable, scalloped plates which grip stalks firmly without kinking or breaking stalks. One plate is shown removed.

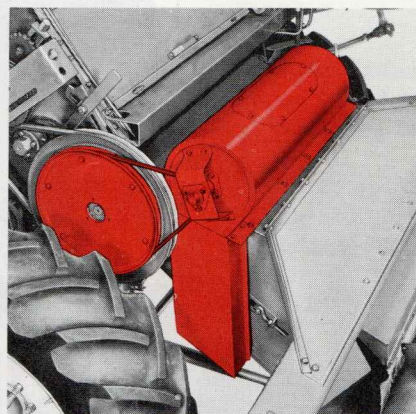
# Attachments fit your 203 to special crops or unusual conditions

Equip the 203 to meet your special combining needs, such as with a rugged 10-foot drum-type pickup for windrowed crops; platform-lift-cylinder extensions for combining maize; fan bottom shield, platform bottom shield, and axle drive shaft shield; and many others. The attachments covered

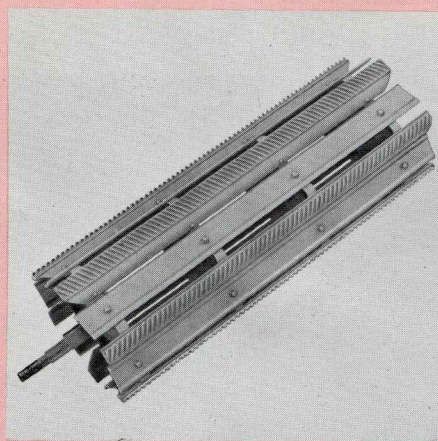
here and on preceding pages are just a cross-section of those available. Ask your dealer for more information on other attachments which may be recommended for your area. You'll find the 203 can be adapted to every combinable crop.



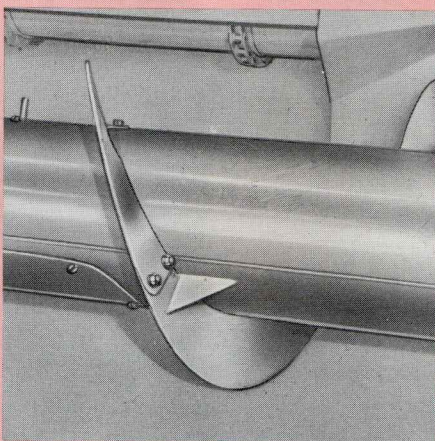
**Windrow rotary type pick-up attachments** in 8 and 10 ft. sizes are available for 10 and 13-ft. platforms. Gentle lifting action keeps shelling losses at a minimum . . . sweeps ground clean.



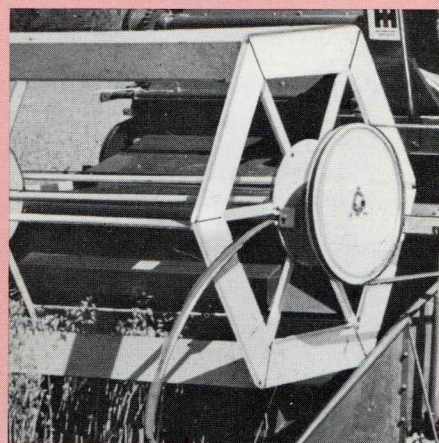
**Feeder dust fan attachment** draws dust from the feeder and blows it onto the ground. Fan housing fits across center of feeder. A blade type fan at the right of housing pulls dust from the feeder and blows it out through exhaust outlet on right side of feeder housing.



**Filler bars** between rasp bars hold heads against concave . . . give cleanest threshing or shelling at slow cylinder speeds.



**Auger extensions** push light crops to the center of the feeder where auger fingers deliver it to feed conveyor positively.



**Standard reel hubs** accommodate four or six bats. Reel end guards help prevent wrapping and tumbling.

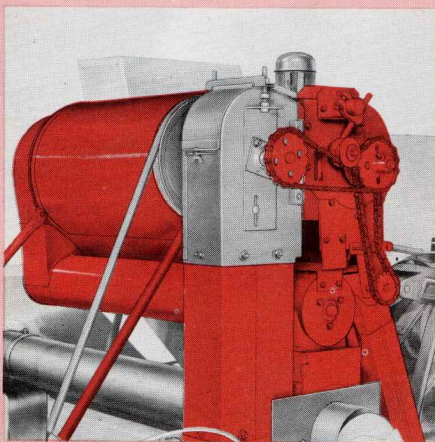
# SPECIFICATIONS . . . compare before you buy

Here are the facts and figures on the 203. Compare . . . see how much more it gives you for your combine dollar. Remember the design features that give the 203 more capacity than other combines in its class. Look them all over and we think you'll agree that the 203 leads the 13-foot class.

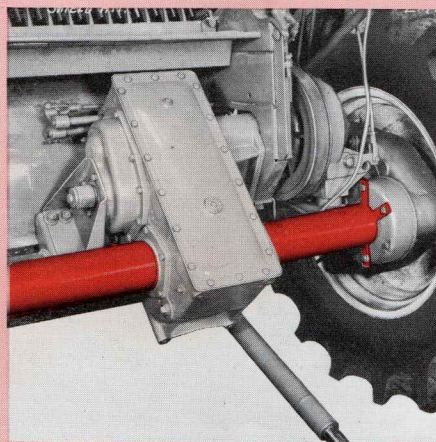
## SPECIFICATIONS

Width of cut, with gatherers . . . . . 10 and 13 ft  
 Control of platform cutting height . . . . . Hydraulic  
 Cutting range — Lower limit . . . . . ¼ in. below wheel level  
 (w/10-24 tires) Upper limit . . . . . 30½ in.  
 Reel, 44 in. dia., 4-bat, belt driven,  
     Standard reel speeds 32 to 37 rpm, 27 to 32 special  
 Platform auger, retractable finger . . . . . 20 in. dia. on 13 ft  
     . . . . . 18 in. dia. on 10 ft  
 Feeder, undershot slotted conveyor, 2 chain . . . . . 40 in. wide  
 Separator width . . . . . 42 in.  
 Cylinder, 6 rasp bars, 42 in. wide, 15¼ in. dia.  
     Standard speed 436 to 1,290 rpm. Special 174 to 1,535 rpm  
 Concave, bar and wire grate, 8 cross bars  
 Cylinder beater, drum-type, 14-in. dia. . . . . 750 rpm  
 Straw racks, rotary type, three sections,  
     separate return pan . . . . . 42 x 85 in.  
 Cleaning fan, 20-inch, variable speed . . . . . 750-1,005 rpm  
 Chaffer, adjustable . . . . . 39½ x 37¾ in.  
 Chaffer extension, wire finger . . . . . 11 x 37¾ in.  
 Shoe sieve, adjustable . . . . . 39½ x 37¾ in.

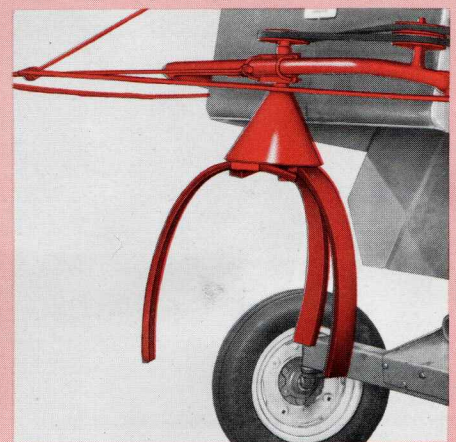
Straw spreader . . . . . Special  
 Total separating area . . . . . 4,332 sq in. (30 sq ft)  
 Total cleaning area . . . . . 3,408 sq in. (23.7 sq ft)  
 Grain tank capacity, total of both tanks . . . . . 53 bu  
 Tread, Main wheels — Std 11.2/10-24, 6-ply . . . . . 78¼ in.  
     Sp 12.4/11-24, 6-ply . . . . . 81¼ in.  
     Sp. 14.9/13-24, 6-ply tires . . . . . 81¼ in.  
     Sp. 14.9/13-24, 6-ply tires  
     Cane and rice special . . . . . 82¼ in.  
     w/18.4/15-26, 6-ply  
     cane and rice special . . . . . 97 in.  
 Tread, rear — w/5.50-16, 4-ply tires . . . . . 68 in.  
     Sp. 6.00-16, 4-ply tires . . . . . 68 in.  
 Wheelbase . . . . . 113 in.  
 Length of machine, outside divider to rear of  
     separator hood . . . . . 228 in.  
 Width, auger folded back, regular 10-24 tires . . . . . 96 in.  
     special 11-24 tires . . . . . 97.14 in.  
     special 13-24 tires . . . . . 98.14 in.  
     special 15-24 tires . . . . . 102.4 in.  
 Overall width w/ 13-ft platform . . . . . 164½ in.  
 Height, auger in transport position (10-24 tires) . . . . . 9 ft 11 in.  
     auger in operating position (10-24 tires) 10 ft 8½ in.  
 Weight, w/ 13-ft platform, 10-24 tires . . . . . approx 7,265 lb  
 Engine, IH valve-in-head, Model 153, 4-cylinder . . . . . 55 hp  
     Governed speed . . . . . 2,425 rpm  
     High idle speed . . . . . 2,500 rpm  
 Unloading time, depending upon  
     grain condition . . . . . approx 1¼ min



**ScourKleen attachment** helps get rid of dirt and weed seed, with special screening action as grain or seed enters the tanks.



**Special shields** are available, like this axle drive shaft shield, to overcome problems in extreme crop and field conditions.



**Straw spreader** distributes the straw to make tillage easier. Deflector shield is standard with straw spreader.

# SPECIAL 203 COMBINES FOR RICE OR EDIBLE BEAN HARVESTING



- **203 Rice Special**
- **203 Bean Special**

If you grow rice or edible beans, you can get special 203 combines that are factory equipped with the special features required for efficient harvesting of these crops. The 203 Rice Special has oversize, deep-lugged tires, special transmission, and mud shields to handle the muddy fields encountered in rice harvesting. The 203 Bean Special has slow speed drives for cylinder and feeder, spike-tooth cylinder beater, plus perforated cross auger bottoms, perforated shoe bottom, perforated unloader tube and elevator lower doors to eliminate dirt.

INTERNATIONAL HARVESTER EXPORT COMPANY  
180 N. MICHIGAN AVE. CHICAGO 1, ILL., U. S. A.

*Specifications subject to change without notice.*