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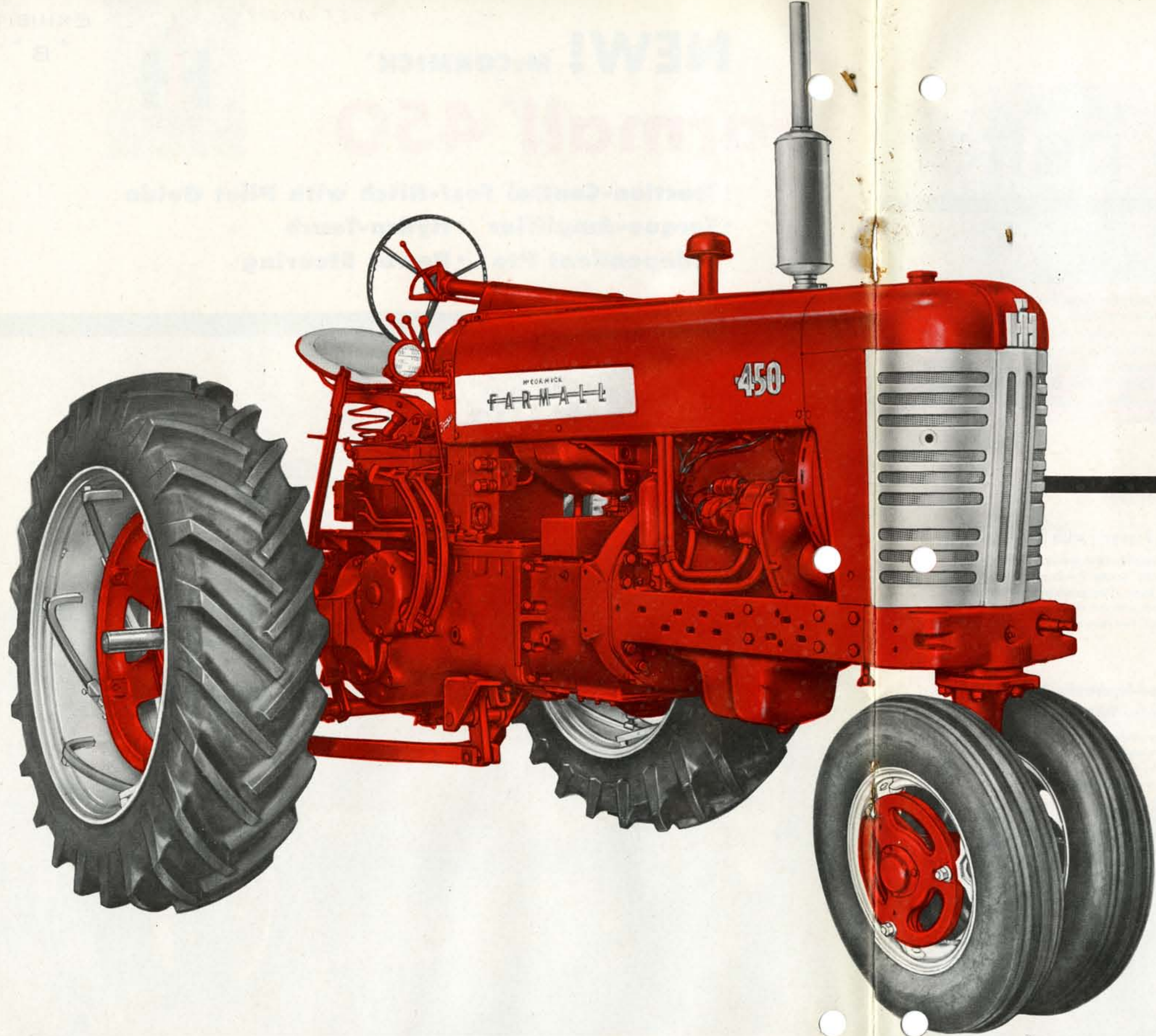
EXHIBIT
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NEW! **MCCORMICK®** **Farmall® 450**

- **Traction-Control Fast-Hitch with Pilot Guide**
- **Torque-Amplifier** • **Hydra-Touch**
- **Independent Pto** • **Power Steering**





**THE COUNTRY'S GREATEST
4-5 PLOW TRACTOR...**

**THE NEW
FARMALL
450**

Here is the greatest tractor ever built for large row-crop farms—the Farmall 450.

Offering more horsepower than ever before...with more features to put this greater power to better use...with unmatched comfort and convenience to save time and effort...unequalled economy and dependability to shrink costs, the Farmall 450 well rates the title of "the Country's Greatest."

The ease with which the 450 handles a four-bottom plow...the way new Traction-Control Fast-Hitch constantly matches traction to load...the way famous Torque-Amplifier boosts "pull power" to 45%...the effortless implement control that's yours with Hydra-Touch...the ease of full-time power steering...the unequalled convenience of completely independent pto—these are the big reasons why the Farmall 450 leads its class.

Read the following pages, learn the facts on the Farmall 450. And at an early date, see or call your IH dealer and make arrangements to have "the Country's Greatest" 4-5 plow tractor demonstrated on your farm.

MORE POWER

PUT TO BETTER USE

IN MORE WAYS

GASOLINE · DIESEL · LP GAS · DISTILLATE

Here's how the big **FARMALL 450**

puts power to better use



Greater Horsepower than ever before...better use of this power to help you do more faster, easier, and better—that's the power story of the Farmall 450. No other 4-5 plow tractor on today's market will do as much...in as short a time as the Farmall 450, for no other tractor can match its efficient utilization of available engine horsepower.

Greater "Pull Power" with TA

Famous IH Torque-Amplifier puts power to better use by giving you up to 45% greater "pull power" at just a pull on a handy lever. This exclusive application of power eliminates stalls and shift-downs, gives you a total of 10 forward speeds, two reverse.

More POWER at the Rear Wheels with Traction Control

New Traction-Control Fast-Hitch with Pilot guide helps you use more of the power delivered to the rear wheels. By constantly matching traction to the load, this revolutionary feature turns more engine power into greater

work power, reduces wheel slippage to the minimum without wheel weights, improves fuel economy, and prolongs tire life. All of this plus the easiest, safest, fastest implement hitching ever offered.

Independent POWER Take-Off

Another way the 450 puts power to better use is through the completely independent pto. You start or stop this pto with the tractor moving or standing still, stop or start the tractor without affecting pto operation. Together with TA it eliminates the need and cost of an extra engine.

Unlimited Hydraulic Power with Hydra-Touch

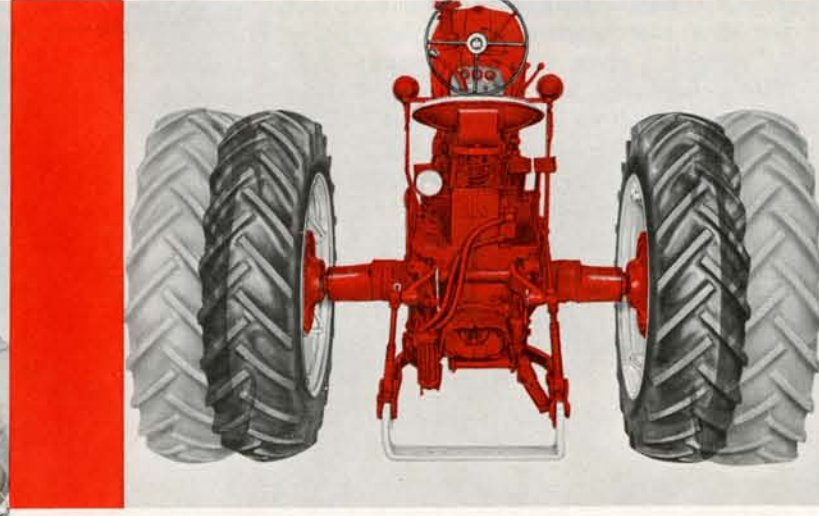
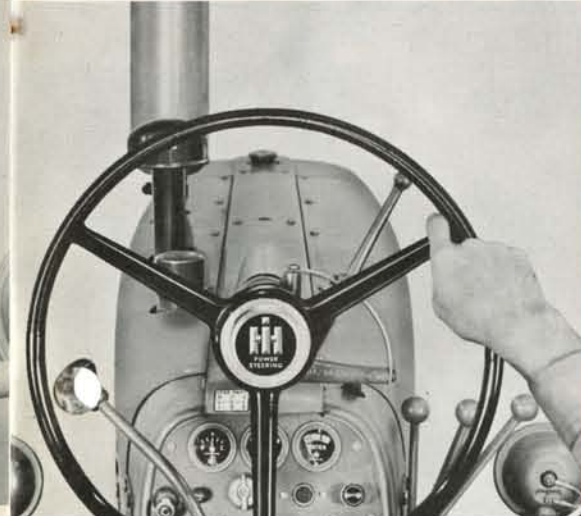
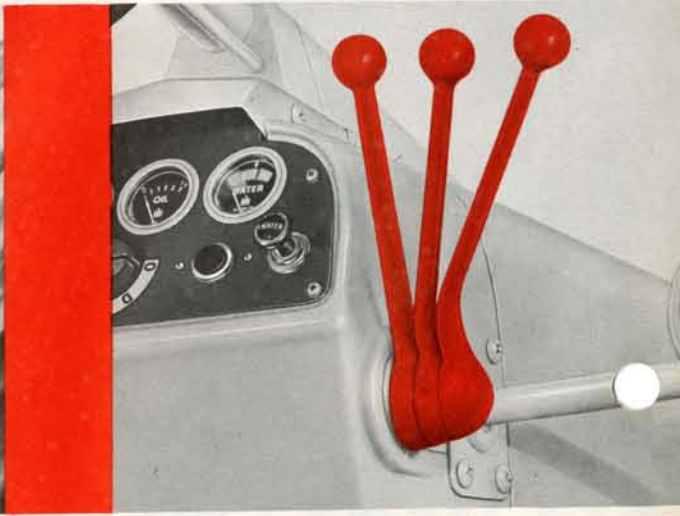
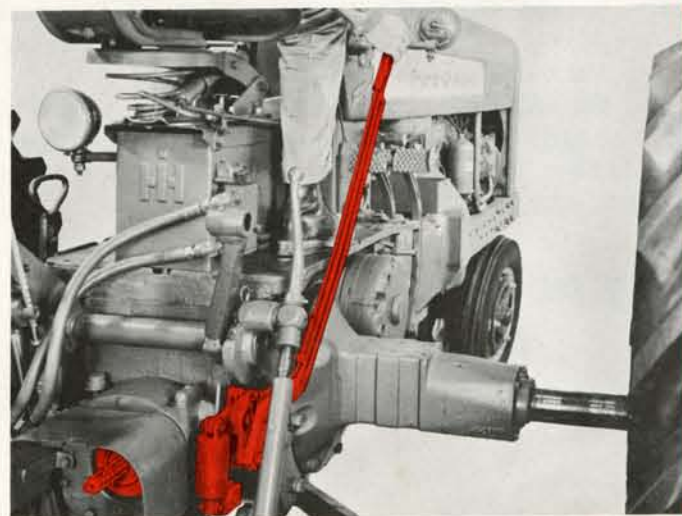
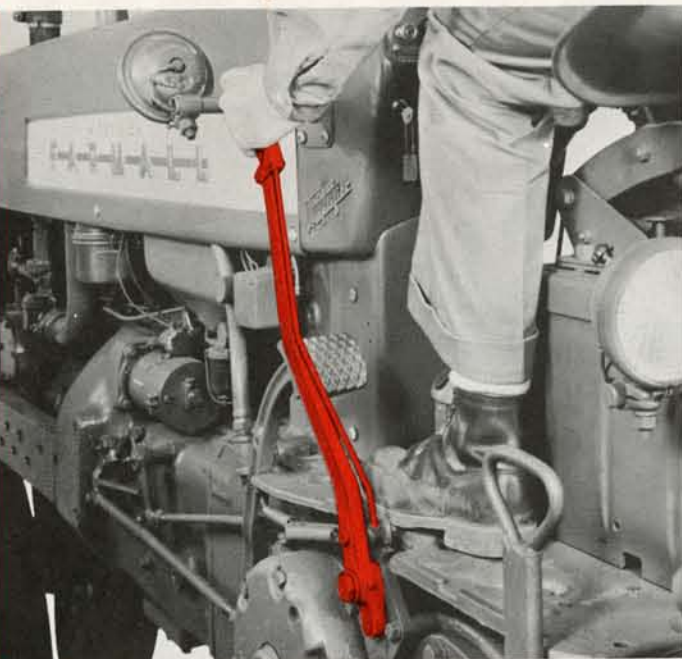
Through unmatched Hydra-Touch, engine power gives smooth, ever-ready hydraulic power to save muscle and time by taking the heavy work out of raising, lowering, and adjusting all equipment.

POWER Steering

Here's power to help you at every turn of the wheel. With power steering, you stay "on course" with the light touch of one hand...finish each day more relaxed, less tired.

POWER-Adjusted Wheels

On the Farmall 450, you use engine power to change rear wheel tread quickly, and with little effort. With power-adjusted wheels, you can make up to a 24-inch tread change in a matter of minutes—just loosen clamps, reposition two rail stops.



NEW Traction- Control Fast-Hitch

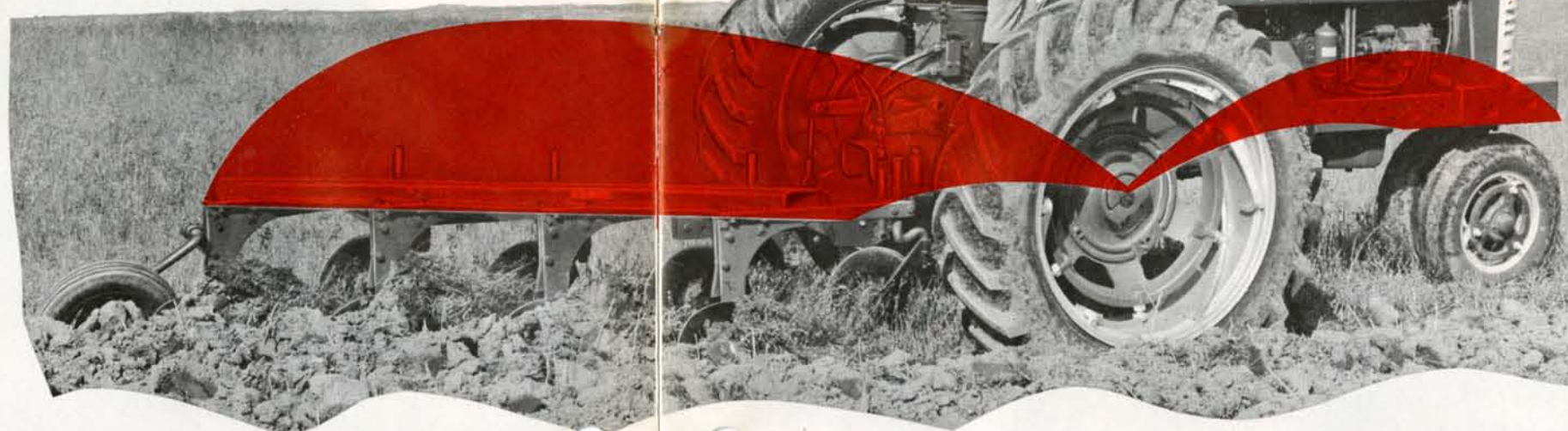
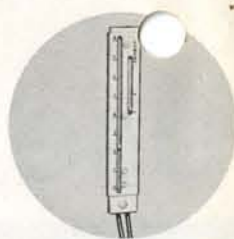
with exclusive Pilot-Guide

- constantly matches traction to load
- gives you seconds-quick hitching

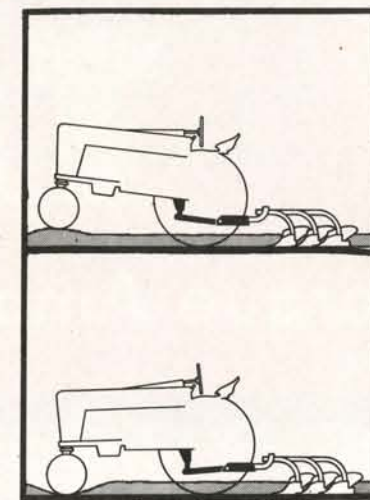
Bar none, there isn't another implement hitching and control system on the market today that comes anywhere near matching all the advantages you can have with new Traction-Control Fast-Hitch with Pilot Guide. Through simple mechanical leverage, this revolutionary system transfers a percentage of implement weight, soil weight and resistance to the rear wheels, constantly matching traction to load. This greater traction—without using wheel weights—helps you handle maximum loads in toughest conditions without excessive slippage...increases output...saves fuel...prolongs tire life. Pilot Guide gives you "look-ahead" convenience, and Fast-Hitch gives the easiest, fastest implement hitching ever known. Equally important, new Traction-Control Fast-Hitch is easily adjusted and extremely adaptable which means better work with every implement, in every condition. What's more, this revolutionary system is effortlessly raised and lowered through the Hydra-Touch system.

New Exclusive Pilot Guide

Lets you look ahead...eliminates looking back to see how the hitch is operating. Right-hand indicator shows if too much weight is being transferred, left shows length to which hydraulic cylinder has been extended, gives approximate implement depth.



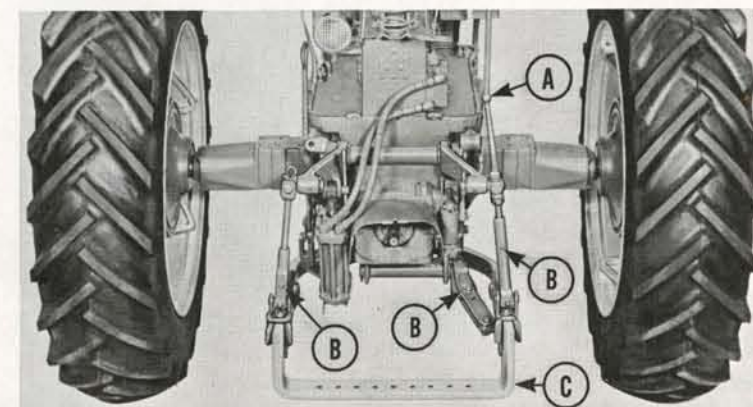
"Hinge" in the draft links gives flexibility permitting tractor to follow ground contour without affecting the



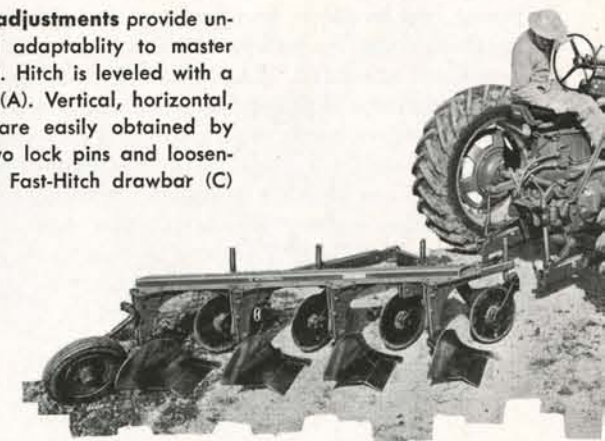
implement, gives more uniform depth. The "hinge" also permits implements to enter the ground at a sharper angle, assuring fast penetration.

Add over a ton of weight with one lever

Set the Traction-Control weight transfer lever (arrow) in the maximum position, and you can transfer over a ton of traction-boosting weight to the rear wheels. On the Farmall 450, you can set the weight transfer lever in three positions to transfer the exact percentage of weight to master every field condition. In every setting, the amount of weight transferred through the hitch increases directly with the draft load. When soil conditions demand or depending on the type of implement being used, Traction-Control can be locked out of operation.



Simple, easy-to-make adjustments provide unmatched flexibility and adaptability to master every job and condition. Hitch is leveled with a convenient hand crank (A). Vertical, horizontal, and diagonal "float" are easily obtained by changing position of two lock pins and loosening one stop collar (B). Fast-Hitch drawbar (C) is standard equipment.



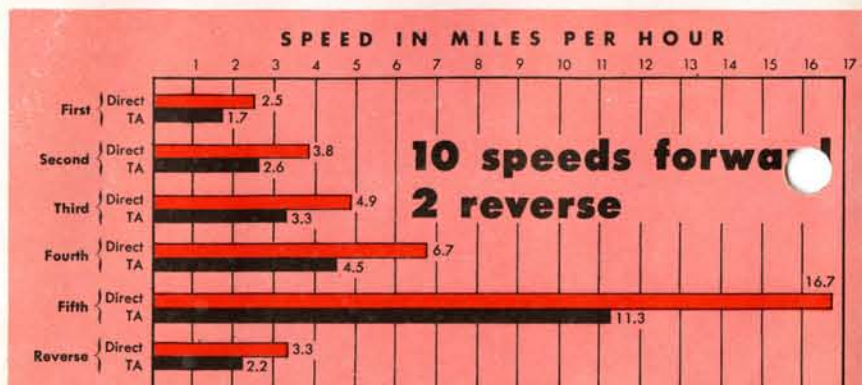
Back...Click...And Go! hitching. Just back the tractor to the implement, line up the hitch sockets with the implement coupling beams, continue backing until the beams click in position, lift the implement hydraulically, and go—that's all there is to hitching with Fast-Hitch.

Do More Work In a Day with **TA** Torque Amplifier

- Boosts pull-power up to 45%
- Changes speeds on-the-go

With TA, you can boost pull-power up to 45% by pulling a convenient lever—there's no stopping, no clutching or gear shifting, no change of throttle setting. What's more, TA lets you change speeds on-the-go...choose either of two speeds in each gear.

When you hit a tough spot in the field and need an increase in pull-power, or want to reduce speed, just pull the handy TA lever. *Instantly*, TA gives you a smooth surge of increased pull-power (up to 45%) to carry you through your toughest going. As pull-power is increased, speed is reduced one-third. This on-the-go speed reduction eliminates slipping the clutch or throttling down when you come to an unusually heavy spot with pto machines...lets you make turns easily, safely without shifting gears and without overloading the engine. Similarly, you can start heavy loads easily in TA drive, step up to regular speed by merely pushing the TA lever forward. You do more work in a day with TA.



Team TA with completely independent PTO

- Gives the performance of an extra engine without the cost
- Start or stop tractor without stopping pto.
- Start or stop pto whether tractor is moving or standing still.
- Change tractor speed and boost pulling power on-the-go while maintaining correct pto speed.

Take TA, add completely independent

pto, and you have a combination that gives you every advantage of a built-in auxiliary engine without the extra engine costs...the widest-range of flexibility ever known for power-take-off operations. IH completely independent pto operates *at your command*, whether the tractor is moving or stopped. TA lets you reduce travel speed on-the-go to keep from overloading machines...lets you boost pull-power whenever conditions demand.



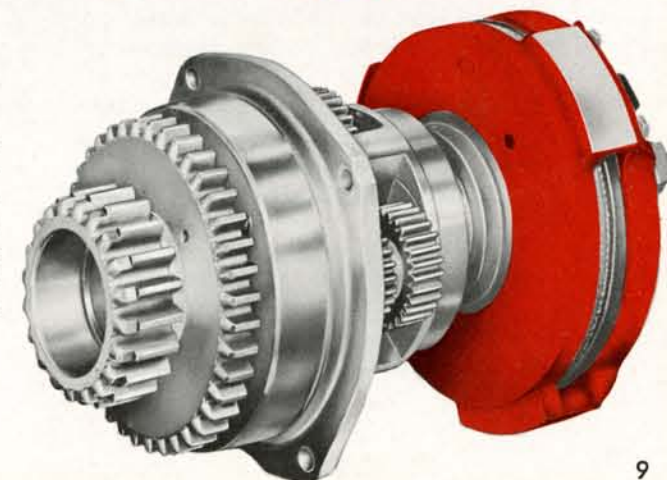
Make shorter, non-stop turns even with pto machines. Push the IPTO lever forward, you stop the driven machine without stopping tractor.



Reduce travel speed to handle heavy spots in the field. A pull on the TA lever reduces forward speed one-third without affecting pto.

A shift-free choice of two speeds in each gear—a total of 10 forward, 2 reverse speeds—means you can match tractor speed to crop and field conditions to work more acres every day. What's more, you'll get peak fuel economy on every job because you'll operate the engine at full-rated power!

Here's the heart of TA—a precision-made planetary gear unit located between the engine clutch and the tractor transmission. And remember, TA isn't reserved for emergencies, it's as rugged as it is precise; meaning you can work in TA all day if you wish without undue wear or strain.



IH Hydra-Touch

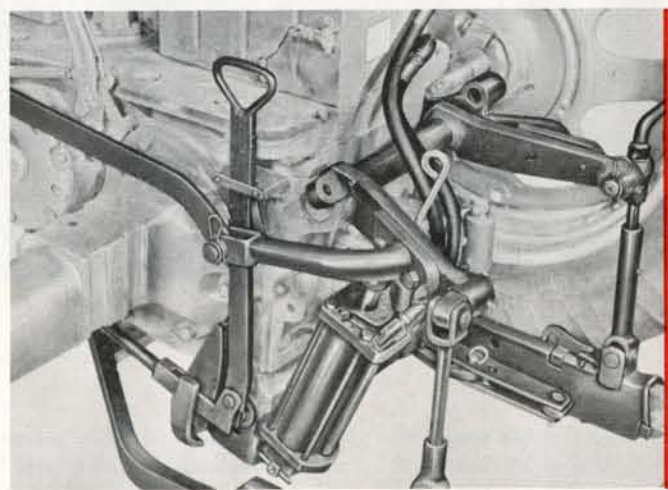
... "live" two way hydraulic power

- Puts big-capacity hydraulic power to work wherever, however you need it.
- Gives you easiest, fastest control of all equipment—mounted and pull-type.

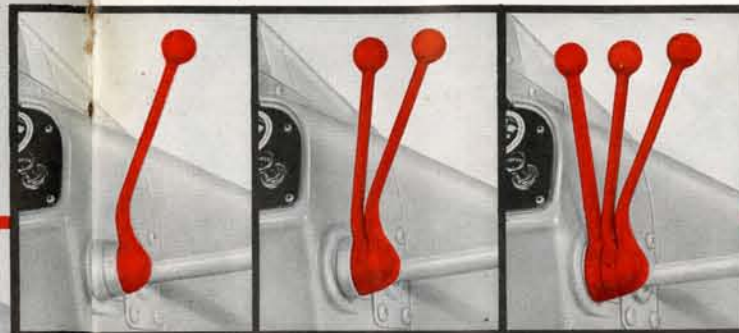
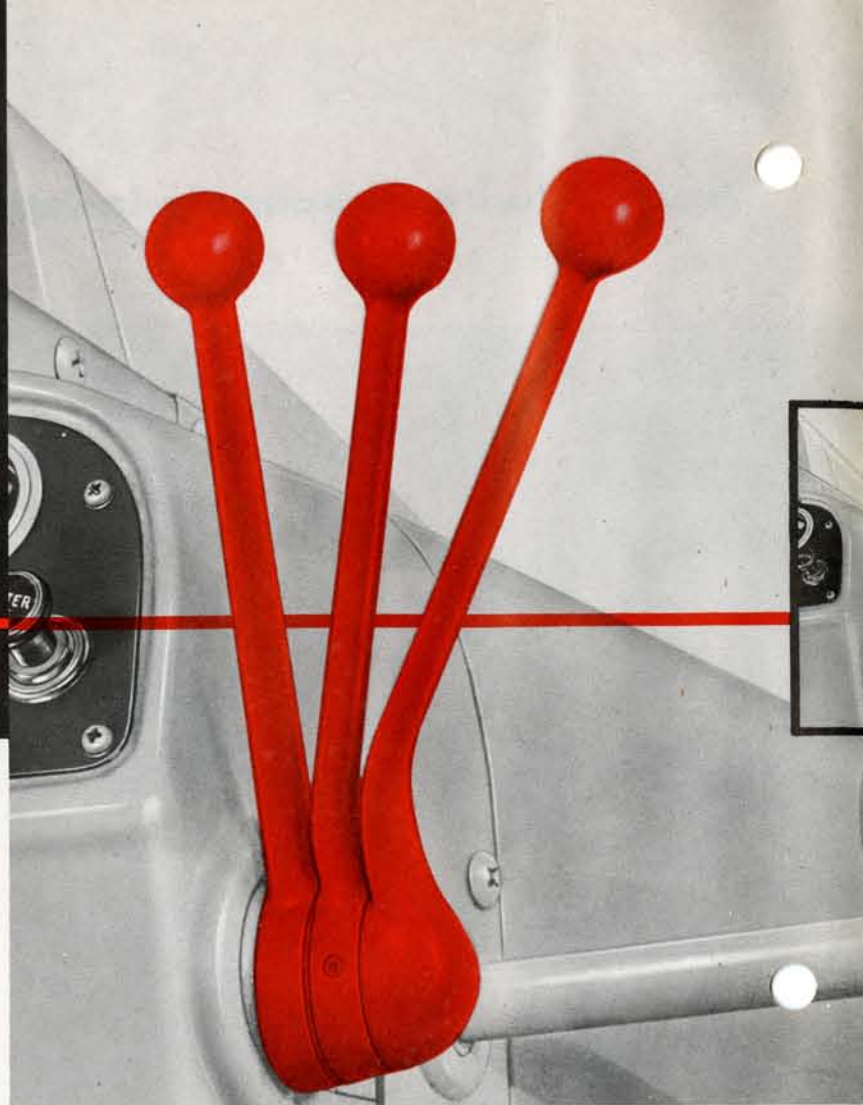
Hydraulic control *unlimited* is yours with Hydra-Touch. This unequalled hydraulic system that's available with one, two, or three valves to match your requirements provides smooth, positive heavy-duty power whenever the tractor engine is running...power to raise, lower, and adjust all types of equipment—hitch-mounted, front-mounted or trailing.

Here's hydraulic power that can be set to operate *either* single or double-acting $3\frac{1}{2}$ by 8-inch cylinders...2-speed hydraulic power—fast for full raise or lower, new "feather action" for making precision adjustments.

Equally important, Hydra-Touch is thoroughly field-proved, and brings you highest quality of materials and construction, assuring years of dependable, trouble-free service.



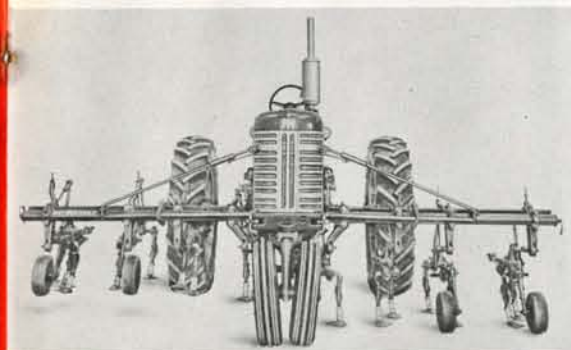
Economical one-valve control, unmatched Versatility is yours with Hydra-Touch and new Traction-Control Fast-Hitch. The single Hydra-Touch valve that controls the hitch also lowers and raises front cultivator gangs through pull rods connected to the Fast-Hitch rockshaft.



Delayed and Selective control of cultivator gangs is available with 2 and 3 valves respectively. Selective control (3 valves) is ideal for working point rows, 2 valves give independent control of front and rear gangs.

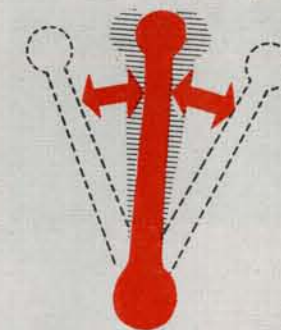


In a matter of seconds, you can set Hydra-Touch valves to operate either single or double-acting hydraulic cylinders. Turn indicator to "D" for double, "S" for single.



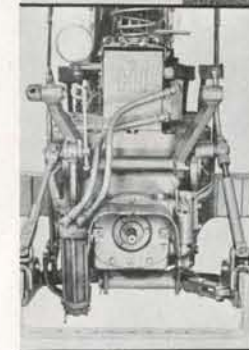
The exact amount of hydraulic control you want is yours with IH Hydra-Touch. Choose one, two, or three-valve systems to match your equipment and method of farming.

NEW "FEATHER-ACTION" DESIGN



New "feather-action" (shaded area) permits making extremely fine implement adjustments...provides more precise control of loaders and other front-mounted equipment. This new finer control is extra smooth, eliminates overcontrolling and lost time. In full raise and lower (extreme positions), there's no

need to hold the control levers. Just move them to the position desired, and forget them. When the cycle is complete, the levers return to neutral automatically.



Handy remote control with just one Hydra-Touch valve is another example of the unmatched versatility of this great hydraulic system. A rigid drawbar at standard drawbar height is obtained by changing the left and right lift links from the rockshaft arms and connecting them to the rockshaft bearings. All you do to hydraulically control any trailing implement that will take a $3\frac{1}{2}$ by 8-inch hydraulic cylinder, is disconnect the Fast-Hitch lines at the junction block (see insert), couple the hoses of the remote cylinder, attach the cylinder on the equipment and you're ready to go. There's no bother, no fuss, and best of all, it's low-cost.

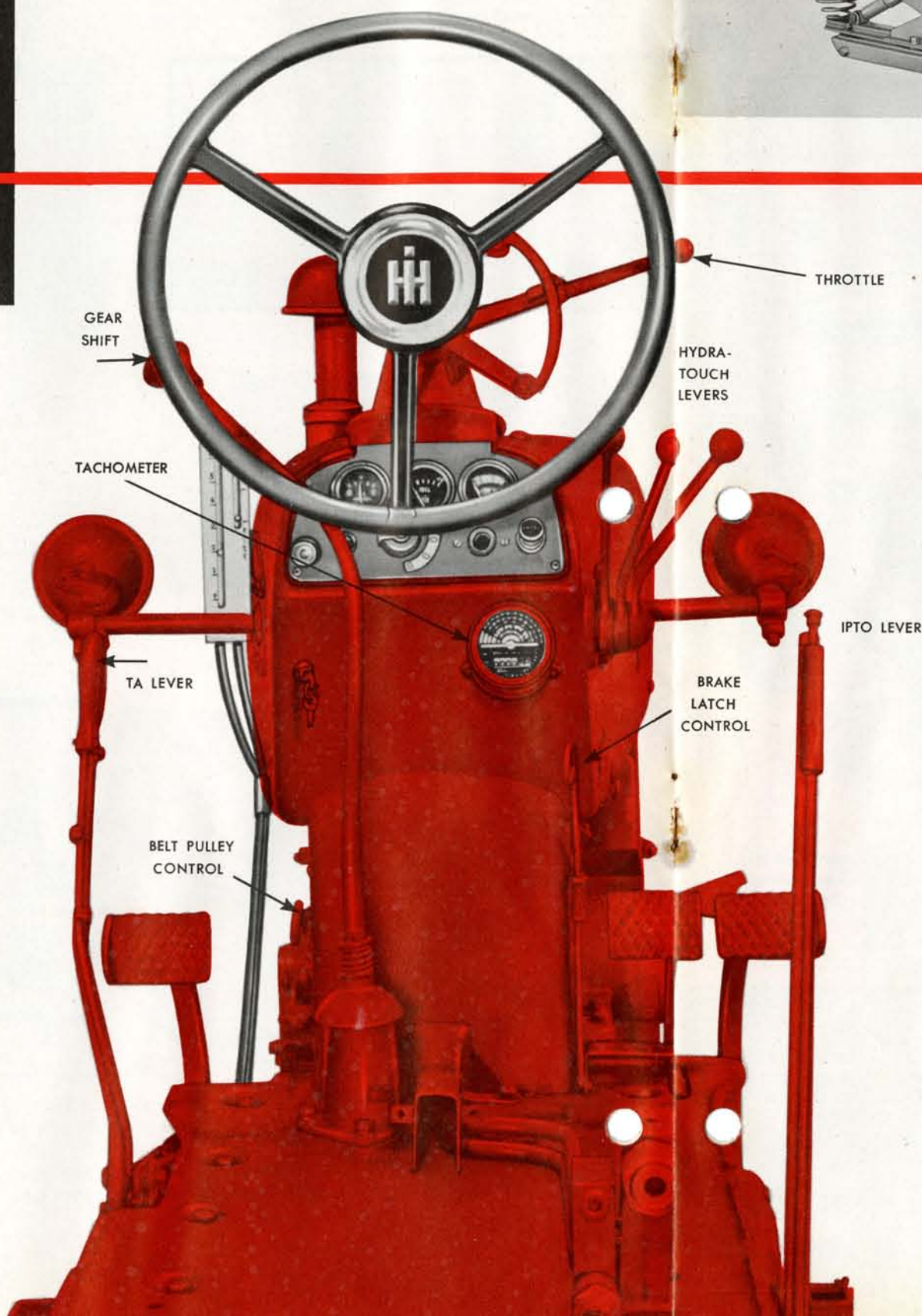
Enjoy real **COMFORT** and **CONVENIENCE**

with the NEW **FARMALL 450**

Once you've operated a Farmall 450, you'll agree you've never handled so much power so easily. Read-easy gauges are compactly grouped right in front of you...ride-easy comfort leaves you fresher at the end of the day...reach-easy controls eliminate leaning and stretching. Your view from the comfortable seat (as shown below) is unexcelled. Manual steering is extremely easy...power steering is the finest you've ever seen. Extra long gear shift lever,

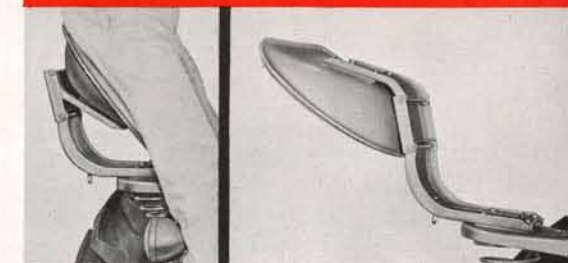


handy Hydra-Touch controls, and stay-set throttle are all within hand's span of the steering wheel. Soft-operating clutch and positive-acting brakes are other auto-like features that help put you in complete, easy command of this big 4-5 plow, all-purpose champion.



Double-Cushioned Seat Sets to Your Requirements

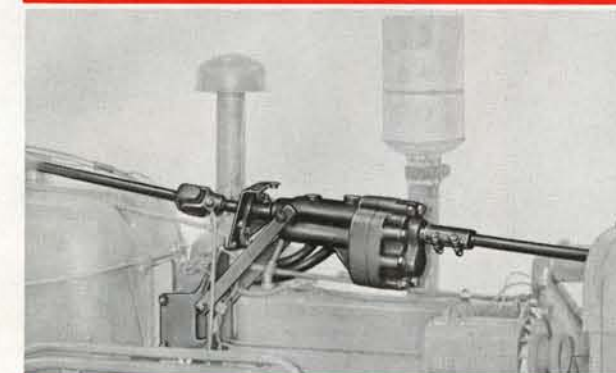
You can move the comfortable seat fore and aft, to put the controls in easy, no-stretch reach. To give you smooth riding, the seat has an adjustable, double-action shock absorber, plus a variable-rate, heavy-duty spring. The seat tilts up for comfortable stand-up driving, and back to shed moisture.



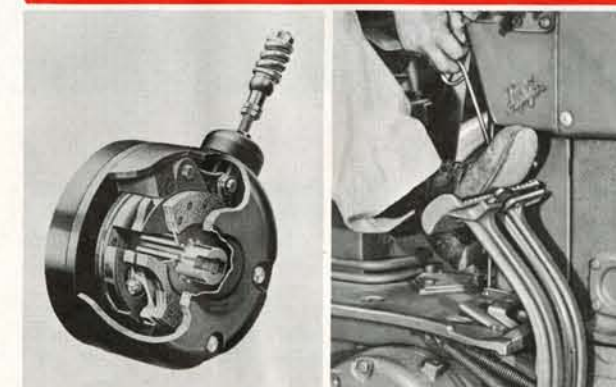
EASIER Starting...EASIER Doing...EASIER Stopping



Turn a Key, Push The Starter Button—that's all there is to starting the 450. Note the compact-grouping of the ignition key, starter button, choke, light switch, cigarette lighter (extra), and the convenient location of all instruments on the slanted panel. The multiface tachometer which shows engine and pto rpm, miles per hour in each gear, and hours of operation is available as extra equipment.



Hydraulic Muscles of Power Steering do 95% of the work connected with turning the front wheels of the tractor. With IH power steering, driving the tractor—even with a front-end loader—is an effortless one-hand job. The power steering unit is driven through the Hydra-Touch system, eliminating the need for an extra pump.



Self-Energizing Double-Disc Brakes give you sure braking with low pedal pressure. Utilizing tractor motion to apply pressure to the extra-large braking area, these brakes permit shorter turns...are equally effective forward or backward. Brakes are sealed in dust- and moisture-proof housings, and pedals can be locked together and latched for parking.

The 450 Gasoline Engine

**leader in performance
and economy**

Choose Your Power

...Gasoline, Diesel,
LP Gas, Distillate

Gasoline, Diesel, LP Gas, Distillate — whichever fuel gives you the greatest dollar savings — that's the engine you want, and can have in your Farmall 450. And whatever your choice, you're assured top operating economy, for each of the four engines available is specially designed to give maximum efficiency on its particular fuel. Equally important, each of these engines is thoroughly tested and field proved...each offers every safeguard — pressure lubrication, controlled cooling, etc.—to give you the finest in dependable, economical service.

Forced Ventilation draws off water and fuel vapors. This overcomes sludge formation, dilution of the lubricating oil, and the formation of corrosive acids.

Combustion Chamber is shaped to create tornadic turbulence of air-fuel mixture for complete combustion and to guard against lead deposits.

Controlled Cooling, with thermostat and radiator by-pass, assure fast warm-up and constant efficient operating temperature. Jackets cool cylinder sleeves uniformly.

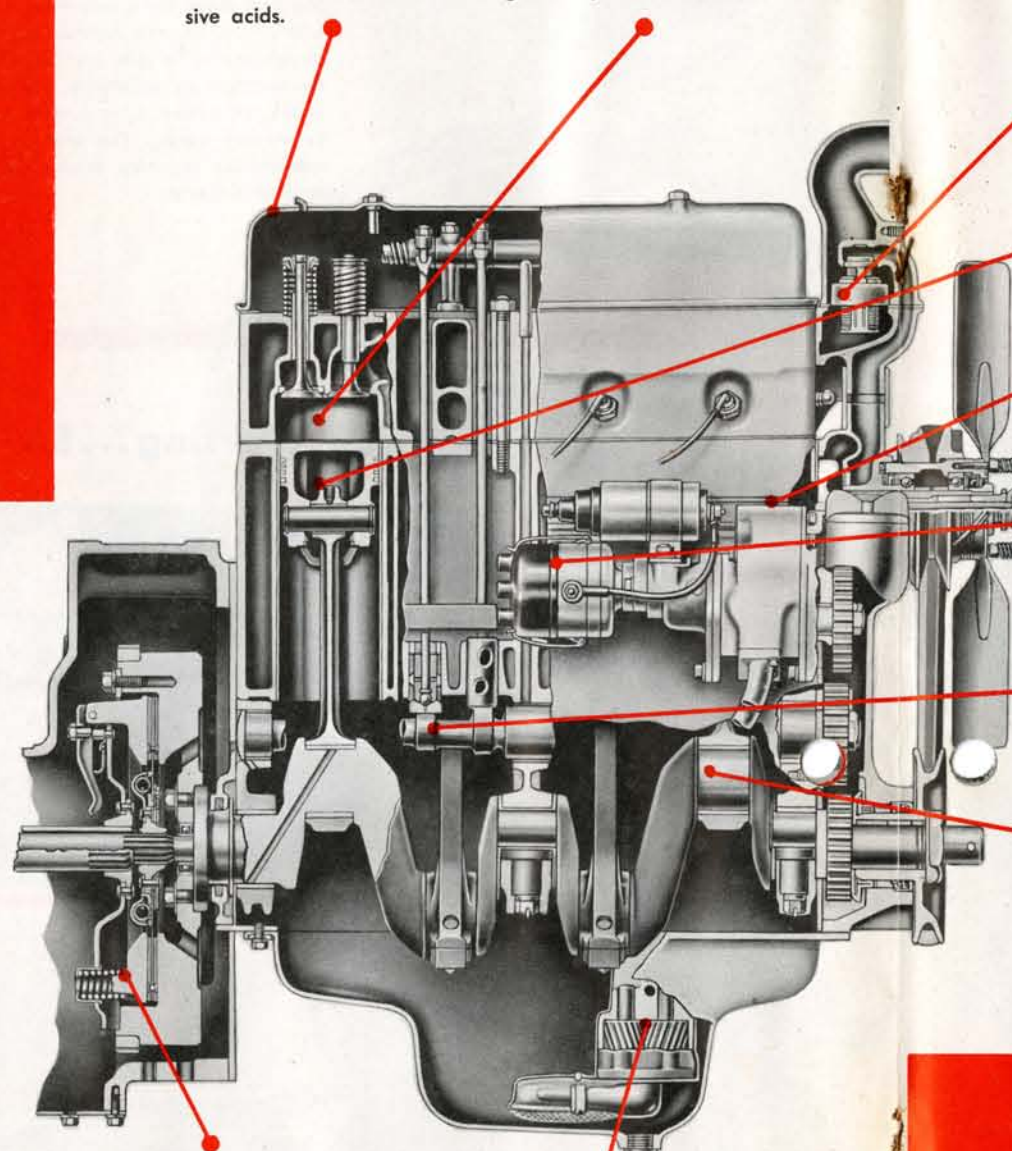
Aluminum Pistons give exceptionally smooth, vibration-free performance. They're tin-plated for scuff-resistant break-in.

Husky Block is of dry-sleeve construction which makes it extra rigid to guard against distortion. The result is longest life for all internal parts.

Battery Ignition is IH built for heavy-duty tractor operation. Automatic spark advance assures maximum power, best economy. Will not "drown out."

New Camshaft Design boosts power by holding valves open longer so larger air-fuel charges can be drawn in...more burned gases expelled.

Connecting Rods are extra-strong, forged I-section steel. Piston pin is full-floating for maximum bearing area.

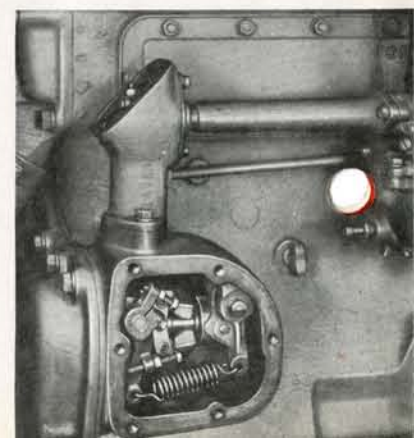


Big, 12-inch Clutch has heavy-duty facings imbedded with copper wire for longest life. Precision ball-type pilot and throw-out bearings are life lubricated.

Positive Gear Pump forces oil to bearing surfaces to assure positive lubrication in all conditions, even when operating under heavy loads and on steep slopes.

Fully Enclosed governor is trigger-sensitive to immediately adjust fuel supply to slightest changes in load. High quality bearings prevent sticking.

Features and construction described above apply to both gasoline and LP gas engines.

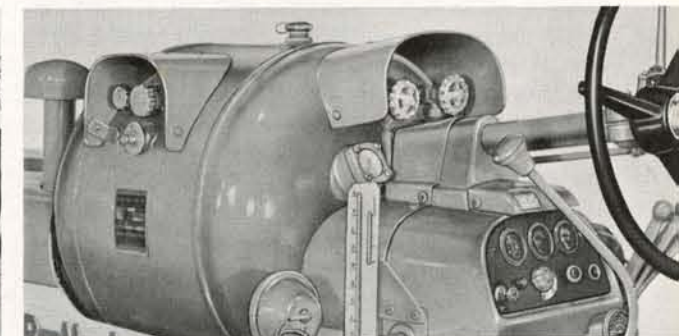
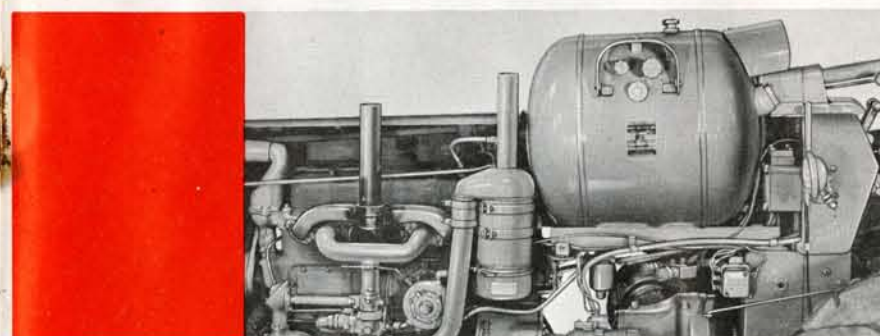


Gives you lively, high-torque 4-5 plow power to do more work faster

If gasoline is your "best buy" fuel, here's the engine that's tailored to your needs. Thanks to high-torque design, this extra-rugged gasoline engine "hangs on" to overloads and carries you through your toughest conditions without faltering. Proved valve-in head design develops more horsepower per cubic inch of displacement...lively power to handle a four-bottom plow in most conditions, five in many fields. Improved manifold assures faster warmup in cold weather, greater efficiency. New high-lift camshaft gives "free-breathing" permitting larger intakes of fuel and air.

Squeezes more power out of less gasoline ...keeps operating costs at new lows

With a compression ratio of 7 to 1...controlled cooling that maintains correct engine temperature for peak efficiency...a more efficient carburetor for better part-load economy, the 450 gasoline engine puts extra stretch in every gallon. And operating economy is only part of the savings! With valve rotators, Stellite exhaust valves and seats, micro-inserts on main and connecting-rod bearings, precision-fit sleeves and pistons, and many other features, not only gives savings on maintenance costs but assures you that engine power stays up for more hours of operation.



The 450 LP Gas Engine

If LP Gas is your most economical fuel, here's the engine that will help you make more...save more than ever before. Everything you need—higher compression ratio, cold intake manifold, special LP Gas carburetor, regulator-vaporizer—to make better use of these higher-octane fuels are provided on the Farmall 450 LP Gas engine.

With a fuel tank that's only 22 inches in diameter, and mounted lengthwise, you have excellent visibility on a 450 LP Gas tractor. Operating valves (vapor and liquid) are easily reached from the tractor, and the liquid-level gauges in full view. Filling valves are conveniently located on the side of the tank that holds 28 gallons at 80% full.

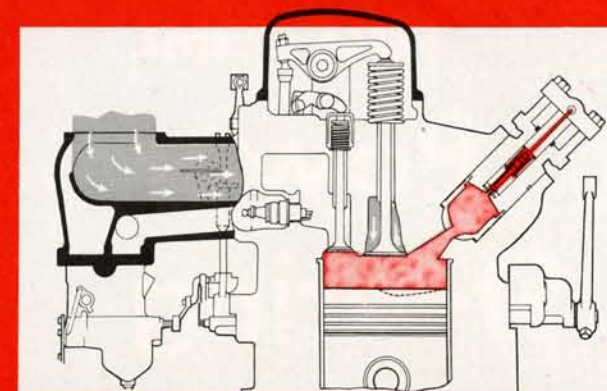
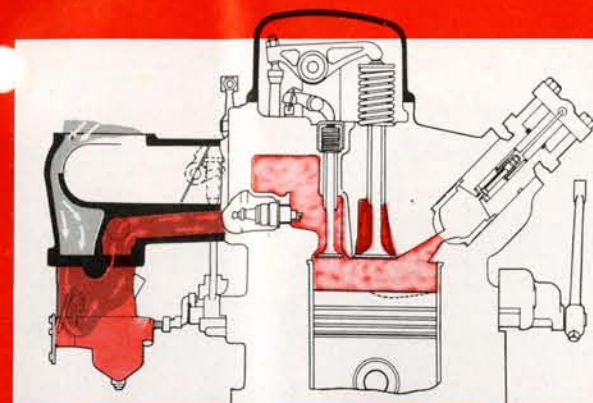
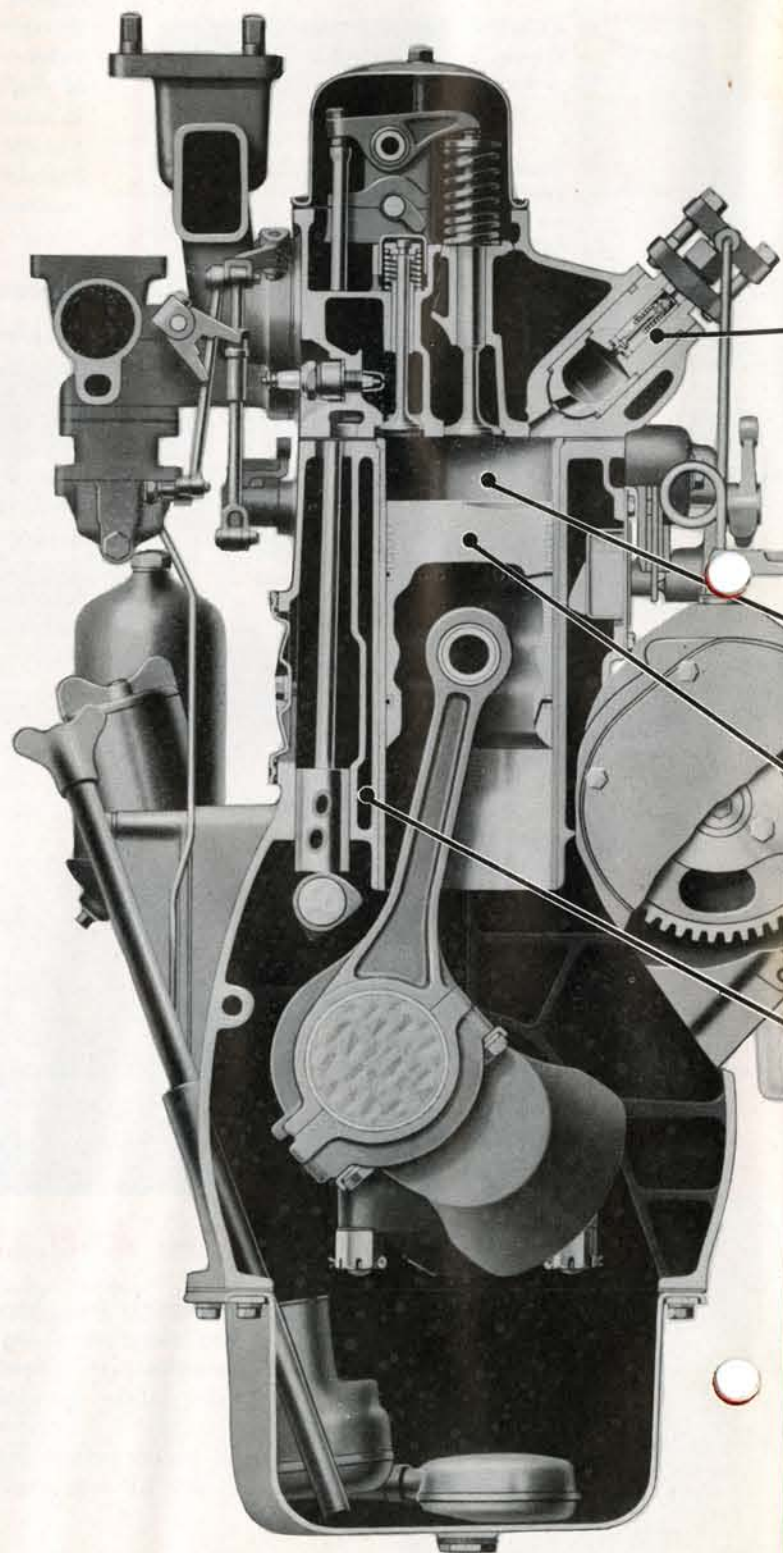
The 450 Diesel Engine

**gives you
All-weather gasoline
starting ... Cost-Cutting
full Diesel operation**

Fast, easy starts in the coldest weather...money-saving full-Diesel operation...plus power aplenty to handle a four-bottom plow almost everywhere—that's the performance you get with a Farmall 450 Diesel.

With the Farmall 450 Diesel, there are no complicated auxiliary starting engines...no pre-heater plugs. You start the 450 Diesel quickly, easily on gasoline...move one lever and switch to Diesel after a fast warmup. And when you're running on Diesel, you have fuel economy second to none. The 16.5 to 1 compression ratio and the highly efficient fuel injector pump add up to greater power utilization...greater economy with low-cost, power-rich Diesel fuels.

Along with the economy bonus that's yours with the 450 Diesel, you also reap a power bonus. Here's extra lugging power to carry you through the toughest spots, thanks to the tremendous driving force developed by slower-burning Diesel fuels. Equally important, the 450 Diesel—like every tractor carrying the IH trademark—offers unmatched ruggedness and stamina to help you do more work for more years with less expense.



Injection Nozzles and pre-combustion chambers are mounted at 45° angle to mix atomized fuel and compression-heated air with tornadic turbulence that means smoother, cleaner combustion.

Twin Fuel Filters with replaceable elements make certain diesel fuel is absolutely clean to prevent fouling injection pump and nozzles. A pressure gauge tells when to change elements.

16.5 to 1 Compression Ratio and turbulent fuel-air mixture assure getting maximum working power from every drop of diesel fuel. Ratio is reduced to 6.5 to 1 for gasoline starting.

Large Aluminum Alloy crowns on pistons dissipate heat swiftly from combustion chambers to water jackets, assuring top engine performance and eliminating need for oil cooler mechanism.

Full-Length Water Jackets...cooling controlled by thermostat and radiator by-pass, assure dissipation of excess heat and maintain efficient engine operating temperature for complete combustion.

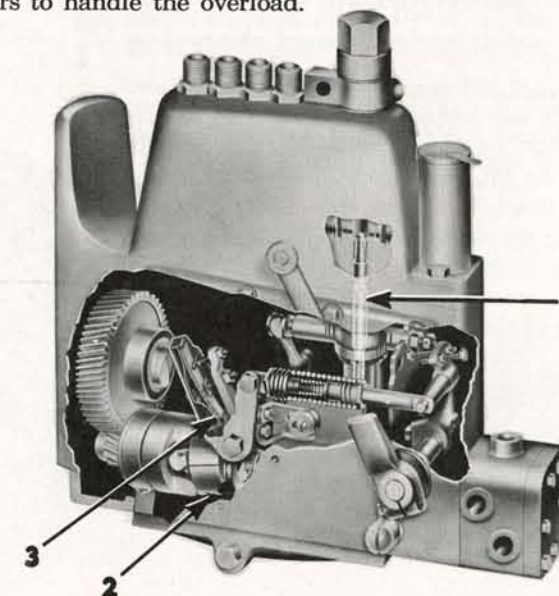
FAST STARTS ... ALWAYS!

START ON GASOLINE by moving the compression release lever backward. This reduces compression ratio to 6.5 to 1, and cuts in the carburetor and spark ignition giving fast, easy starting.

SWITCH TO DIESEL (right above) by pushing the lever ahead. This gives you 16.5 to 1 compression ratio and full-diesel operation as well as cutting off carburetor and spark ignition.

450 Injection gets more work out of fuel

You get more power out of fuel...more lugging power to handle overloads, and here's why. The single plunger injection pump (1) meters equal amounts of fuel to all cylinders. The governor weights (2) are driven at twice engine speed assuring response to changing load demands. And when overloads pull engine down from rated speed, exclusive IH torque control springs (3) straighten to cause plunger to feed more fuel to cylinders to handle the overload.



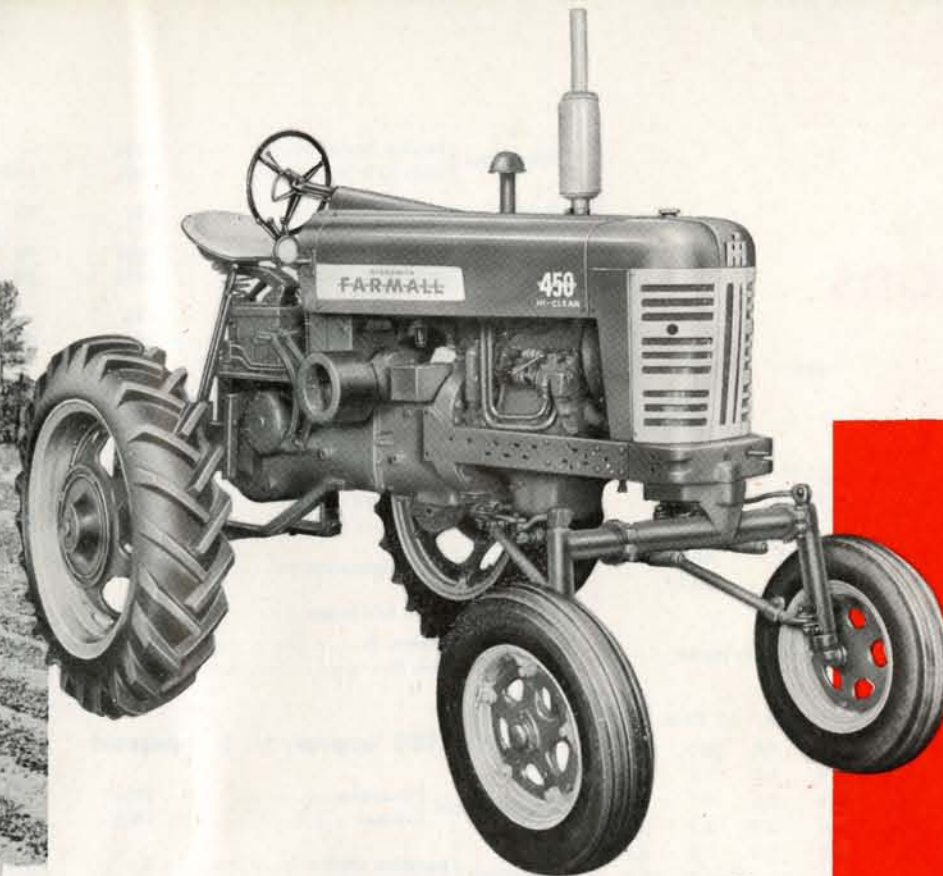
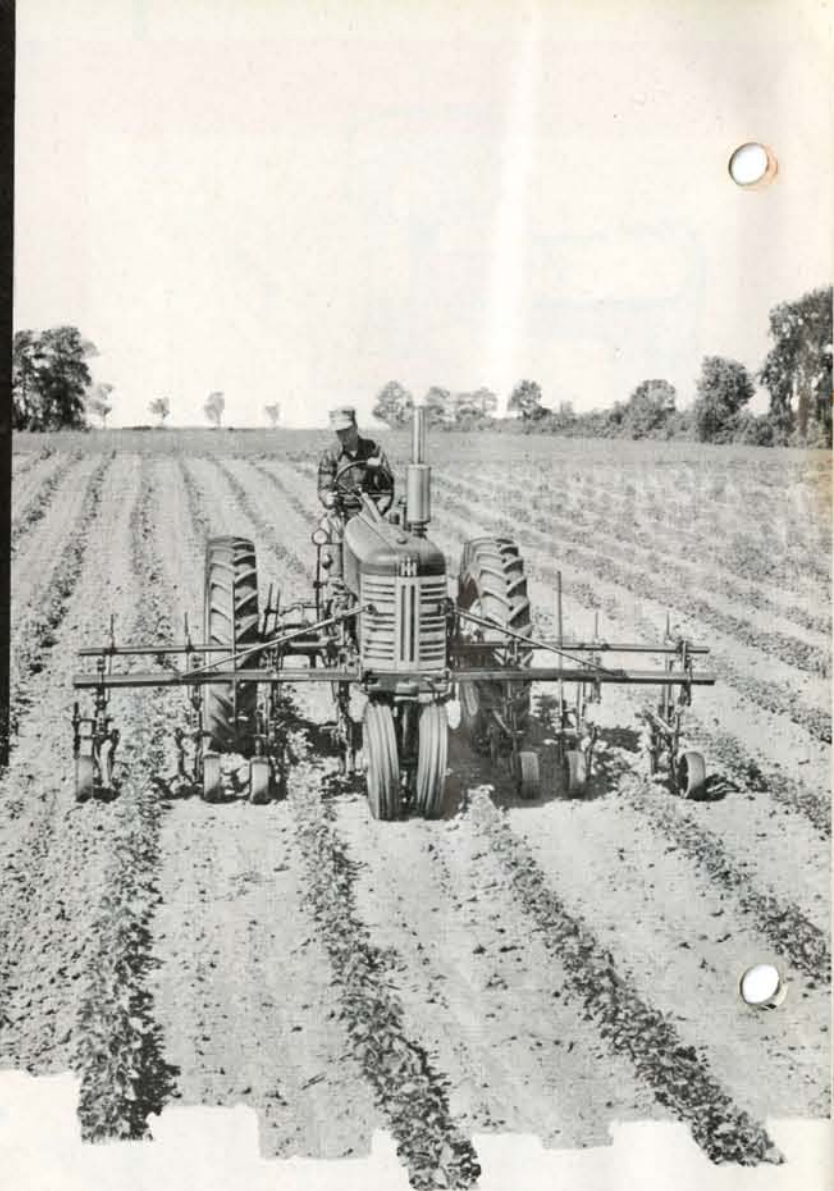
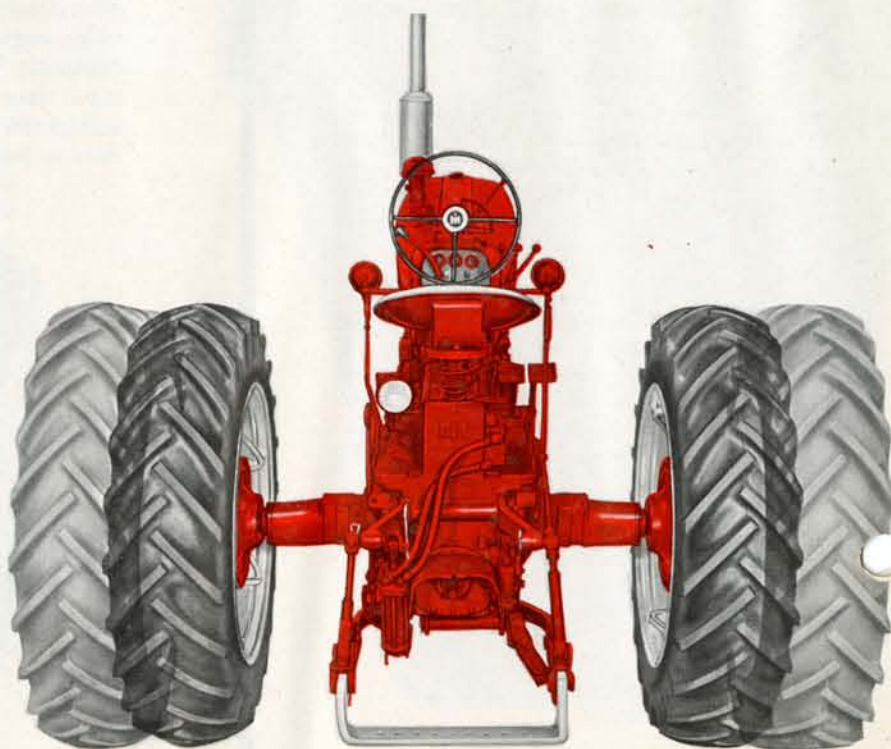
FULL-TIME Power Steering

**Helps your fingers
do your arm's work**

IH full-time power steering eliminates practically all steering effort...makes every turn an easy one-hand job. Even with heavy, front-mounted equipment, there's not a trace of wheel "fight," no "kick-back" shocks to jolt your arms and shoulders. With power steering, you always have one hand free to operate other controls. IH power steering utilizes the regular Hydra-Touch pump and reservoir, keeping costs low. There's no front wheel "chatter" and the unit is sealed against dirt and moisture.

Power adjusted rear wheels take the work out of tread changing

Equip your big-capacity Farmall with power adjusted rear wheels, and you can adjust the tread just about as fast as it takes to talk about it. All you need do to adjust rear wheel tread, is loosen the clamps, set the stops on the adjustment rail, hold one brake, and drive the tractor forward or back depending upon whether you want the wheel in or out. With this new power-assist, you have a total of 24 inches of near effortless tread adjustment to match jobs *exactly*.



**Farmall
450
HI-CLEAR
for every
tall-growing crop**

Specially designed for growers of sugar cane and other tall-growing, bedded crops, the Farmall 450 handles every job from planting to lay-by time. There's 34 inches of clearance under the front axle...step-down housings with chain drive provide 36 inches ground-to-tractor clearance under the rear axle. Except for its extra height and clearance, this tractor is identical to the regular 450, including choice of gasoline, Diesel, LP gas or distillate engine. A full-line of high-clearance implements are available for this tractor.

INTERCHANGEABLE FRONT WHEEL EQUIPMENT matches your farming practices exactly

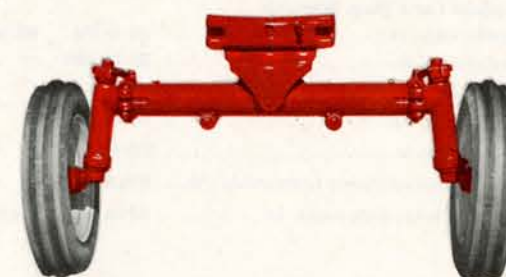
The single front wheel is ideal for irrigated sections and in narrow-row crops. You can choose from two sizes. One is for a 7.50-16 tire, the other—where maximum flotation is needed—for a 9.00-10 tire.



Variable-tread front wheels, regular equipment, can be set for 8 $\frac{3}{8}$, 12 $\frac{1}{2}$, 13 $\frac{3}{8}$, or 17 $\frac{1}{2}$ inches, to give you easiest steering on ridges or in furrows. The wheels shown are set for the narrow width.



Adjustable-tread wide front axle is popular with farmers who do considerable plowing, as well as those who grow narrow-spaced row crops, or plant their crops on wide beds. Wheels are adjustable in two-inch steps from 57 to 81 inches. Variable-tread wheels give a 90-inch maximum width.



FARMALL 450
specifications

Table with 4 columns: Specification, "450", "450" High-Clearance, and a fourth column for additional details. Rows include Gasoline (Drawbar hp, Belt hp), Diesel (Drawbar hp, Belt hp), LP Gas (Drawbar hp, Belt hp), and Speeds (mph) for various gears.

Table with 4 columns: Specification, "450", "450" High-Clearance, and a fourth column for additional details. Rows include Engine Speed, Number of cylinders, Bore and stroke, Piston displacement, Cylinder sleeves, Cooling system, and Clutch size.

Table with 4 columns: Specification, "450", "450" High-Clearance, and a fourth column for additional details. Rows include Rear wheel tread (Regular axle, Special axle), Rear wheel tread (Power-adjusted wheels), Front wheel tricycle tread, and Front wheel wide axle tread.

Note: A three-point implement adapter is available for adapting three-point implements to Fast-Hitch.

Table with 4 columns: Specification, "450", "450" High-Clearance, and a fourth column for additional details. Rows include Wheelbase, Turning radius, Clearance, Length, Width, Height, Drawbar height, Drawbar lateral adjustment, Weight, and Fuel tank.

Table with 4 columns: Specification, "450", "450" High-Clearance, and a fourth column for additional details. Rows include Capacities (Fuel tank, Crankcase, Transmission case, Cooling system, Hydraulic system) and Basic Equipment details.

Table with 4 columns: Specification, "450", "450" High-Clearance, and a fourth column for additional details. Rows include Extra Equipment details and Other Tire Equipment details.

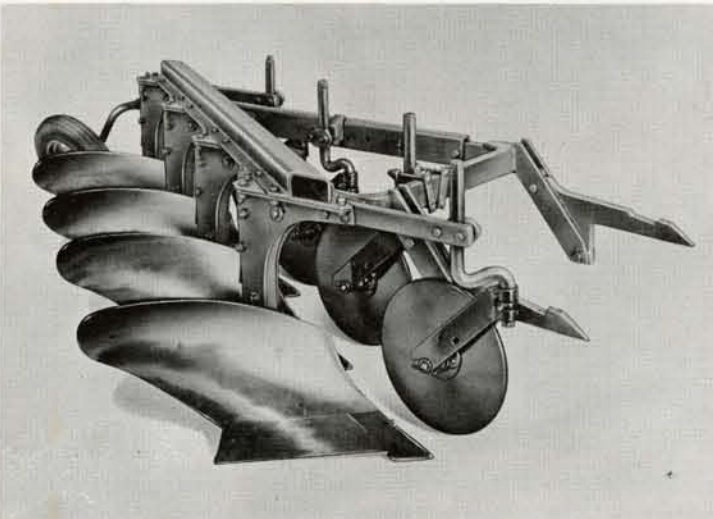
A full line
of Fast-Hitch
Implements

gives you click-and-go farming...
superior McCormick
performance

Wherever your farm...whatever the crops you grow, you'll do better work, far faster and easier with a Farmall 450 tractor and the complete line of power-matched Fast-Hitch equipment. Here's quality-built equipment that's perfectly matched to the greater power and ruggedness of this outstanding tractor. Here's modern, time-saving equipment that you hitch to in seconds without heavy lifting, and right from the tractor seat. Here's equipment that's effortlessly controlled with Hydra-Touch...equipment that's easy to adjust to give peak performance on every job.

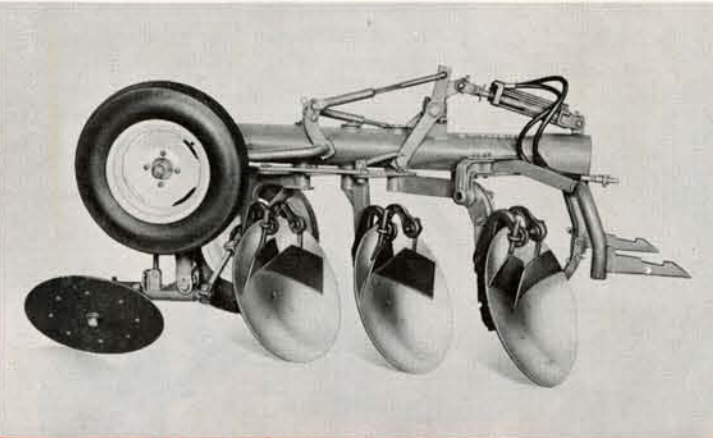
NEW Four-Bottom
Fast-Hitch Moldboard
Plow

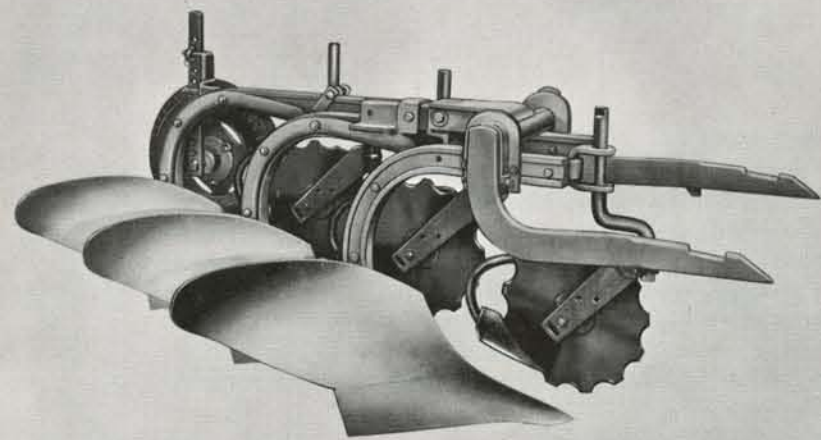
This new four-bottom plow takes full advantage of the greater power and traction of the Farmall 450. In addition to the convenience of Fast-Hitch, and effortless control through Hydra-Touch, this new plow offers greater strength and ruggedness with a new tubular frame and fabricated beams...greater protection against breakage with spring-trip beams...new faster penetration...and greater clearance that eliminates plugging in even heaviest trash conditions.



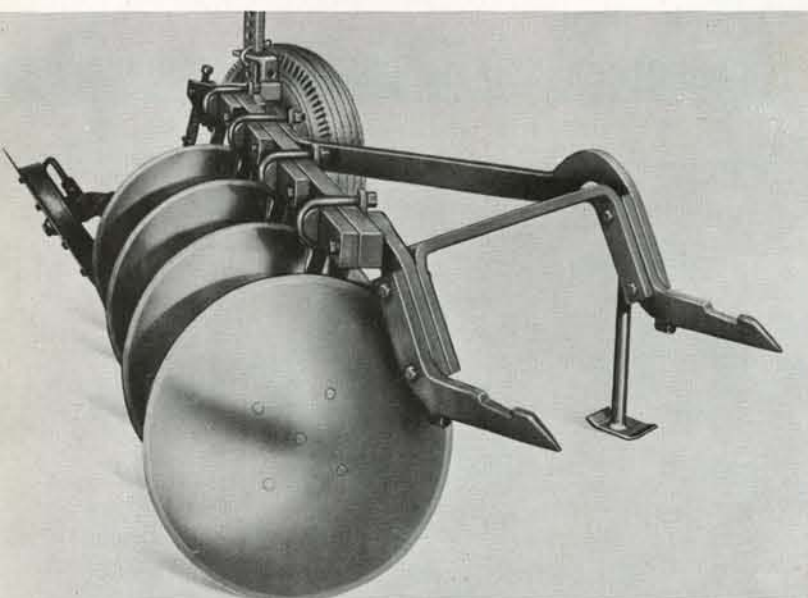
NEW 2-way Disk Plow

Seconds-quick hitching, effortless lowering and raising with Hydra-Touch, and hydraulic rotation of disk blades to give left or right-hand throw—these are the big advantages of this new 2-way, 3-furrow disk plow. This new 2-way is ideal for plowing without dead furrows as well as building and maintaining terraces and making shallow surface drainage-ways. This plow is extremely rugged, and has plenty of weight to assure good penetration.

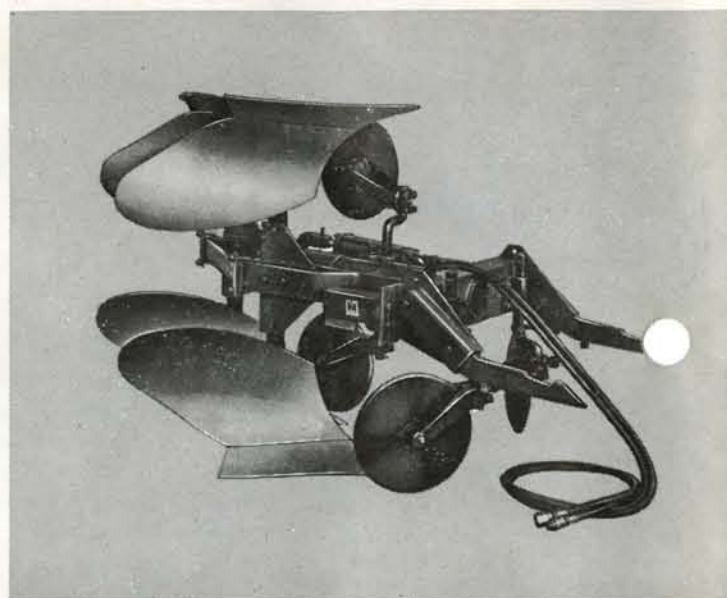




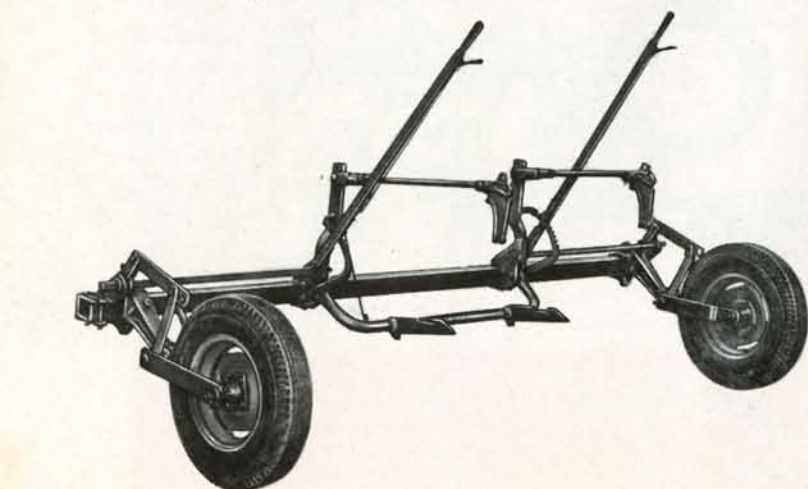
2 or 3-Furrow Moldboard Plows—Rugged strength, ample clearance, and every good work feature is built into the Fast-Hitch moldboard plows for the Farmall 450. Rigid plow frame and heavy I-shaped beams insure strength for the toughest jobs. Exceptional clearance—24 inches under beams and 21 inches between bottoms—makes it easy to do good work in trashy conditions. You can convert a 2-furrow plow to three bottoms or reduce a 3-furrow plow to two. Either plow is available with 12, 14, or 16-inch bottoms. Gauge wheel and 16-inch plain colters are regular equipment. 16-inch notched colters, 18-inch plain or notched colters, and a cushion spring are available.



3 or 4-Furrow Disk Plow—Streamlined beam and standards, plus plenty of clearance give this plow unusual trash-handling ability. Disks can be set vertically to either of two positions. Heavy, cast rear furrow wheel has colter-type steel rim. Disks and furrow wheel are equipped with tapered roller bearings.



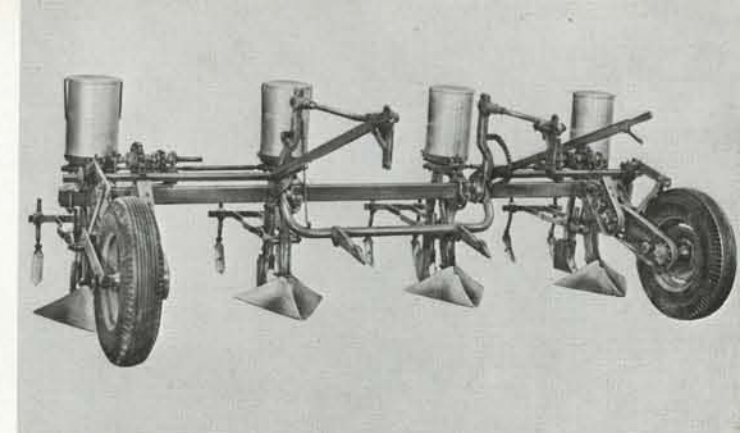
2-Furrow 2-Way Moldboard Plow—This easy-handling plow throws all furrows in the same direction, eliminating dead furrows. One Hydra-Touch lever lifts the plow...another turns it, giving you unison or selective action, as the situation requires. 16-inch bottoms are furnished as regular equipment.



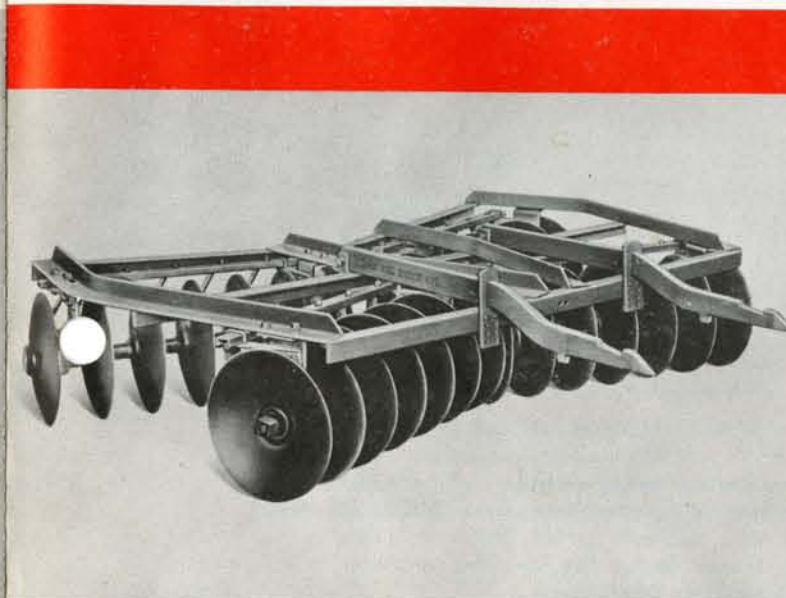
Tool Bar—You can equip this 3½-inch bar with a wide variety of tools. Lever-controlled gauge wheels adjust depth. Tools available include coil and stiff shanks which can be equipped with sweeps, shovels, or points; spring-trap cultivator attachment; middlebuster beam with bedding sweeps or sub-soiler attachment; knife weeder, and bedding and cultivator disks.



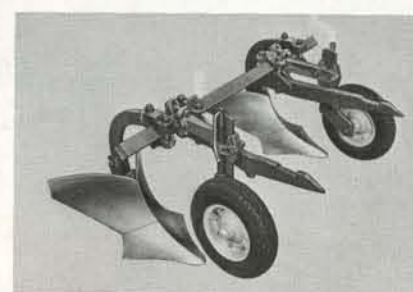
4-Row Middlebuster—This tool-bar-type middlebuster flatbusts or beds up to 50 acres a day. Beams, break-offs, and bottoms are rigidly clamped on a husky 3½-inch tool bar. Front-mounted middlebuster, as well as non Fast-Hitch type also available.



Lister Planters—Both 2 and 4-row middlebusters are easily and economically equipped with lister and blackland planting attachments for cotton, corn, and many other crops.



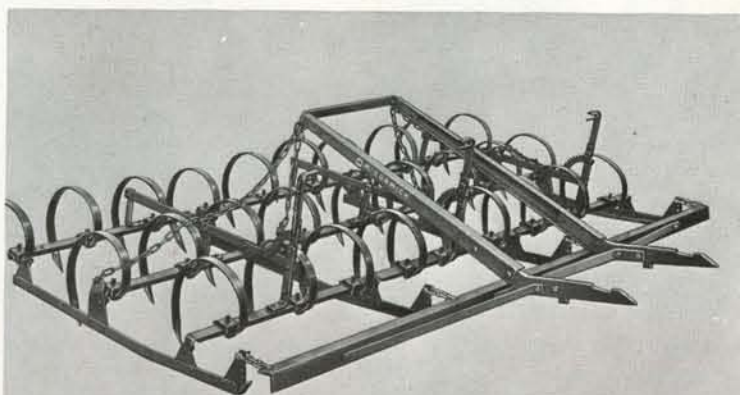
Offset Disk Harrow—You'll leave the ground absolutely level with this Fast-Hitch offset harrow, which works a width 7½ feet wide. Gangs can be offset to the left or right by pulling a quick-cotter in the diagonal adjusting bar. Spacing between the gangs also is adjustable. Available with 20 or 22-inch solid or cut-out blades.

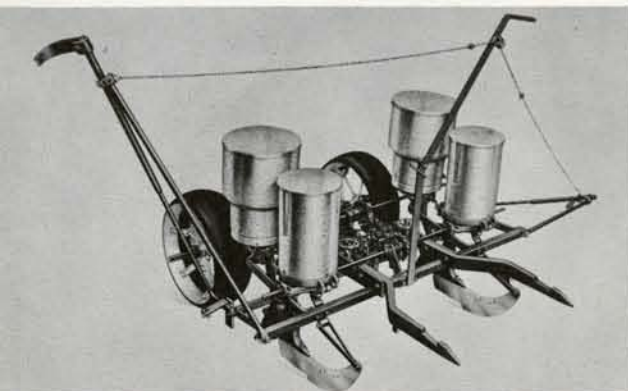


2-Row Middlebuster—Here's a 2-row middlebuster on a 2¼-inch solid tool bar. Screw cranks adjust gauge wheels. Bottoms and sweeps of various sizes, and other equipment is available.

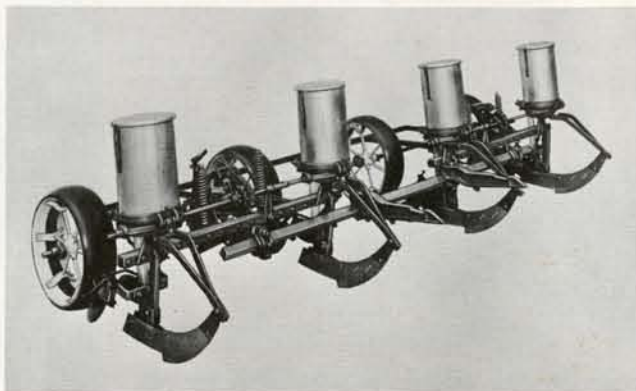
Tandem Disk Harrows—"Click-and-go" hitching plus every feature for better work are yours with this Fast-Hitch harrow. It's completely free to move independently of the tractor...to follow the ground for thorough, uniform disking. Front and rear gangs are leveled hydraulically. Gangs can be angled to three settings. Hard white-iron bearings are pressure lubricated. With 7-inch disk spacing, the harrow is available in 8-ft. 6-in., 9-ft. 7-in., and 10-ft. 9-in. sizes...with 9-inch spacing, 8-ft. 11-in. and 10-ft. 4-in. sizes, and with 9-inch spacing front and 7-inch rear, 9-ft. 7-in and 10-ft. 9-in. sizes.

Spring-Tooth Harrow—This Fast-Hitch spring-tooth harrow will work the soil thoroughly from one to six inches deep...12 feet wide. Fast-Hitch "float" lets it follow the lay of the land...vibrant teeth do good work...heavy-duty construction permits fast operation. Adjusting levers set working depth.

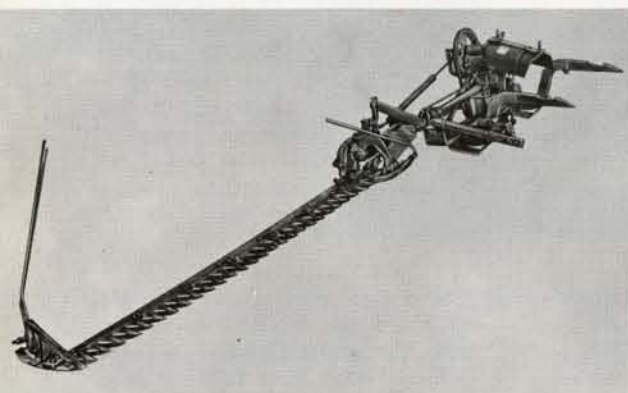




2-Row Corn and Cotton Drill with combination hoppers permits precision-planting of cotton, corn, beans, sorghums, and many other crops. Seed can be spaced from 3¼ to 30 inches, in rows from 28 to 48 inches, on flat land or beds. Press wheels firm soil around the seed without harmful packing, and maintain uniform-depth planting.



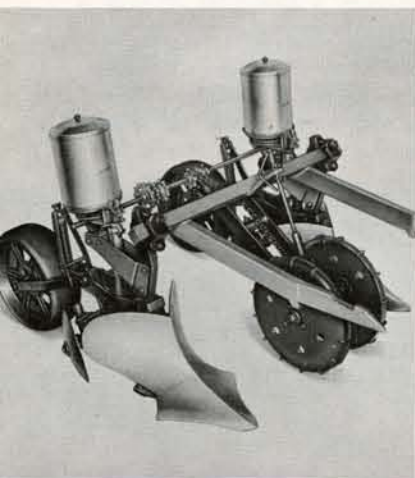
4-Row Cotton and Corn Planter—With this planter you can accurately plant 40 to 60 acres a day...use front cultivator to work beds at the same time. Zero-pressure press wheel tires, operator's seat, and depth control cranks, special covering equipment, and other extras available.



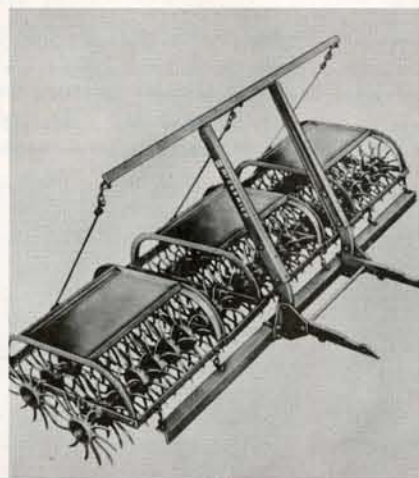
Mowers—Fast-Hitch gives you the fastest, easiest hitching of any mowers ever made. Both regular (shown below) and heavy-duty types available with 5, 6, or 7-foot cutter bar. Safety release protects cutter bar when hitting obstruction.



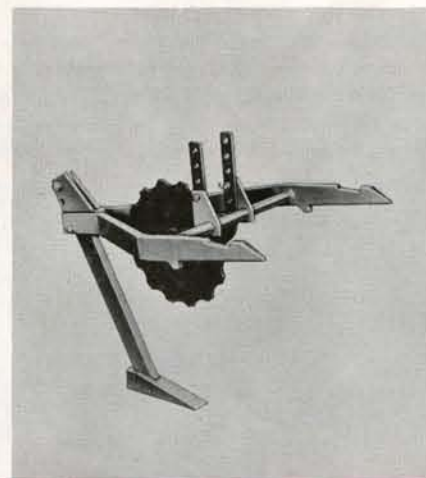
Platform Carrier—Here's a handy, low-cost helper that will save you time and backaches on dozens of lugging jobs. Hydraulic control lowers it to the ground for easy loading. You can order the carrier with or without the 6-foot boards.



2-Row Corn Lister—Accurate, deep planting to reach moisture is yours with this rugged lister. Seed plates are driven by combination gauge and drive wheels...press wheels firm soil around the seed. Ground working equipment is available for both regular and loose-ground planting.



Rotary Hoe—For high-speed crust-breaking, early cultivation, and many other jobs, there's nothing like this rotary hoe. Its three sections flex individually to follow ground irregularities for thorough work. Heavy construction, plus pans for additional weight, assures good penetration.



Subsoiler—This rugged subsoiler shatters hardpan to a depth of 20 inches to open up land for rain absorption. Shear pin protects standard from damage when hitting obstruction. Standard can be swung up for transporting. Notched rolling colter attachment is available.



Cultivator-Mounted Planters for planting on flat land, beds, or in furrows, have combination hoppers that plant most any crop accurately. Both 2 and 4-row units drill-plant in a wide variety of row spacings. Fertilizer attachment and other equipment are available.



Here's the Medium-Duty Model McCormick 4-row cultivator for large Farmall tractors. By requiring only one hydraulic valve and cylinder, this new cultivator meets every requirement of quality cultivation at rock bottom cost. Rear gangs of this cultivator are Fast-Hitch mounted, and the front gangs are controlled through the hitch and pull rods. Cultivator can also be fitted with extra cylinders.

2 and 4-row hinge-frame cultivators

Fast, easy mounting...every feature for better work are the big advantages of McCormick 2 and 4-row hinge frame cultivators. Mounted in six minutes or less without manual lifting or tugging, these deluxe cultivators feature parallel linkage for excellent penetra-

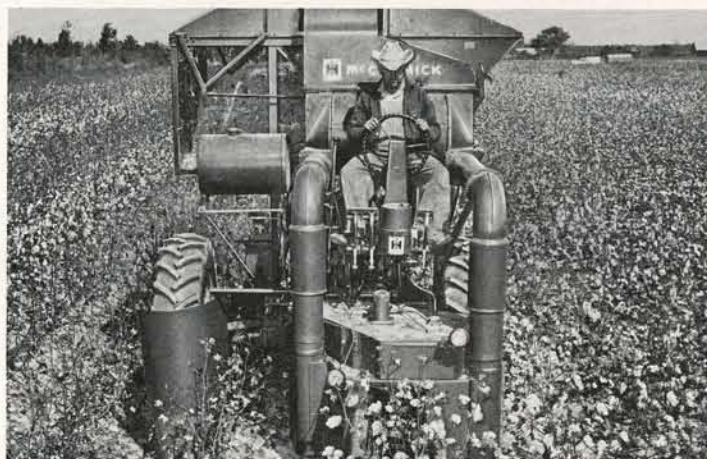
tion...individual adjustability of ground-working units...clean design for maximum visibility and crop clearance...Cultivators are available with selective, delayed, or unison lift.

Lightweight Welded Steel angle construction of the main frame of the McCormick 2 and 4-row cultivators provides maximum strength without adding extra weight. Cultivator shown is equipped with three hydraulic cylinders for selective control.





Mounted 3-row middlebuster.



Mounted high-drum cotton picker.



Two-row mounted heavy-duty corn picker.

matched mounted and trailing equipment for every crop and farming practice

The new Farmall 450 offers you the greatest range of matched farm equipment—for growing different crops under the method that suits you best—of any all-purpose tractor ever built.

This gives you two big advantages when you choose the Farmall 450: First, you get the size and type of equipment you need to reduce your costs. Second, you can equip your Farmall 450 with the sizes of implements that will keep it operating at highest engine efficiency.

Your IH dealer will be glad to tell you more about any of the McCormick equipment listed here, as well as the complete line of Fast-Hitch tools, cultivators, and forward-mounted planters.

PLOWS

MOLDBOARD—

- Trailing; three and four-furrow; regular, heavy-duty, and deep tillage.
- Two-way, two-furrow, roll-over.

DISK—

- Rear-mounted; three furrow.
- Trailing; four, five, and six-furrow.

HARROW—

- Trailing; eight to ten disks; 56 to 115-inch cut.

MIDDLEBUSTERS

FORWARD-MOUNTED—

- Three-row, 36 to 48-inch spacing.

TOOL BAR—

- Two to four bottoms, 34 to 42-inch spacings, planting attachments available.

TILLAGE EQUIPMENT

DISK HARROWS—

- Tandem; five to 12-foot widths.
- Wheel-controlled; seven to 12½-foot widths, hydraulic control.
- Single; five to 18-foot widths.
- Offset; heavy-duty types; 4½-foot and larger.

SPRING-TOOTH HARROWS—

- Up to 15-foot, 9-inch width; 47 teeth.

PEG-TOOTH HARROWS—

- Open and closed-end types; telescoping draw-bars for up to six sections; 30-foot, 7-inch total width.

FIELD CULTIVATORS—

- Trailing and rear-mounted types; stiff-shank or coil spring teeth.

ROD WEEDER—

- Sizes from 9 to 12 feet in single hitches.

PLANTERS

CORN—

- Trailing; two and four-row sizes; check drill, and hill-drop—two-row spacing, 32 to 42 inches; four-row spacing, 36 to 42 inches.

BEET AND BEAN—

- Trailing; four and six-row sizes—four-row spacing, 18 to 30 inches; six-row spacing, 18 to 40 inches.

COTTON, CORN, AND BEAN—

- Four-row, trailing; 36 to 42-inch row spacings.

ALL PLANTERS—

- Wide variety of plates, openers, and press wheels available for all planters. Use same fertilizer units as on cultivators.

GRAIN DRILLS—

- Plain and fertilizer types in wide variety of sizes; fluted or double-run feeds; disk, shoe, or shoe-type furrow openers; Press Drills and Furrow Press Drills.

LISTER

CORN AND COTTON—

- Rear-mounted or trailing, two-row.
- Four-row tool bar, middlebuster planting attachments.

HAY TOOLS

MOWERS—

- Rear-mounted; hydraulic control; five, six, or seven-foot cutter bars.
- Semi-mounted, universal-type, hydraulic control; five, six, or seven-foot cutter bars.

RAKES—

- Side-delivery, low and high-wheel types, eight-foot width.

BALERS—

- Power take-off or engine drive; twine-tying; 6 tons per hour capacity.
- Power take-off or engine drive; twine and wire-tying models; 12 tons per hour capacity.

FIELD HARVESTER—

- 25 tons per hour capacity; windrow pickup, cutter bar, and row-crop attachments available.

HARVESTING EQUIPMENT

HARVESTER-THRESHERS—

- Engine or power take-off models with 6, 7, or 9-foot platforms, for standing or windrowed grain.

COTTON PICKERS AND STRIPPER—

- High or low-drum mounted pickers for open pollinated cotton.
- Strippers for storm-proof type.

CORN PICKERS AND SNAPPERS—

- 2-row regular and heavy-duty mounted corn pickers.
- 1 and 2-row pull-type corn pickers.
- 2-row mounted sweet corn picker.
- 2-row mounted corn snapper.

SUGAR-BEET HARVESTER—

- Mounted type with interchangeable finder and puller units.

CHORE EQUIPMENT

MANURE SPREADERS—

- Power take-off and ground driven.

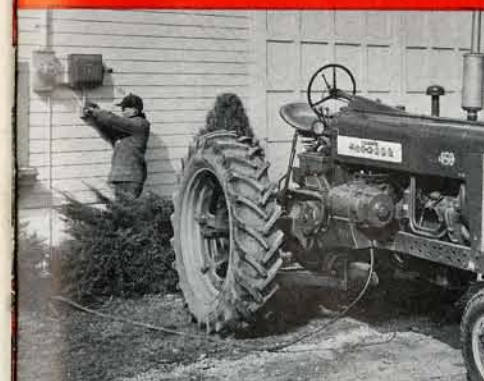
LOADER—

- Power loader lifts 1,840 pounds to height of ten feet; leveling and grader blade, and tine cover attachments.

HAMMER MILL—

- Grinds forage, ear or shelled corn, and small grain.

EQUIP YOUR Farmall 450 WITH IH Electrall



(Above) When the power line fails, just plug in Electrall to prevent financial loss and inconvenience. It supplies power to keep the farmstead fully electrified.

PORTABLE POWER

Gives you "highline" power wherever your tractor will go

STANDBY POWER

Provides stand-by power in case of highline outage

MOBILE POWER

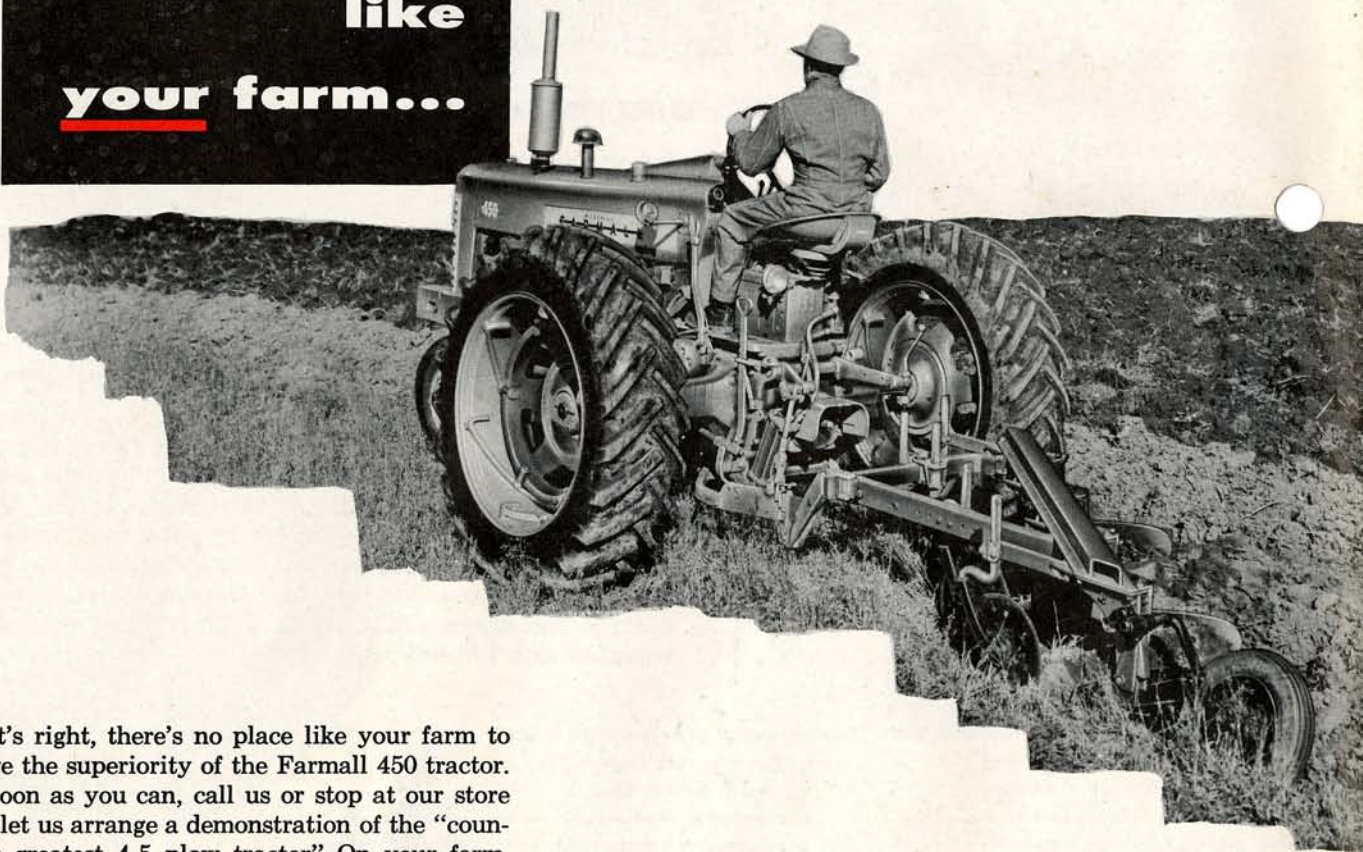
Drive balers and other machines with electric power

IH Electrall is a high-capacity electric generator that you can mount on your Farmall 450. It furnishes 115-volt and 208-volt single-phase service and 208-volt three-phase service. Output rating is 12.5 kva. This capacity lets you use your time-saving electric tools, and motors up to 10 hp, wherever your tractor will go; powers your house and barn equipment during highline failures; and drives a McCormick 55 baler, or other machines equipped with Electrall motor.

(Below) Electrall powered baler is started and stopped by an on-off switch. Electrall motor is completely enclosed and waterproof, readily transferred to other jobs.



**There's
no place
like
your farm...**



That's right, there's no place like your farm to prove the superiority of the Farmall 450 tractor. As soon as you can, call us or stop at our store and let us arrange a demonstration of the "country's greatest 4-5 plow tractor." On your farm, under your own conditions, we'd like to show you how new Traction-Control Fast-Hitch constantly matches traction to load...how improved Hydra-Touch takes the work out of implement control...how famous Torque-Amplifier boosts pull-power...how all of the unmatched features of Farmall 450 *put power to better use* to help you do more, far easier.

Specifications Subject to Change without Notice.

INTERNATIONAL HARVESTER COMPANY
180 NORTH MICHIGAN AVE. • CHICAGO 1, ILLINOIS