

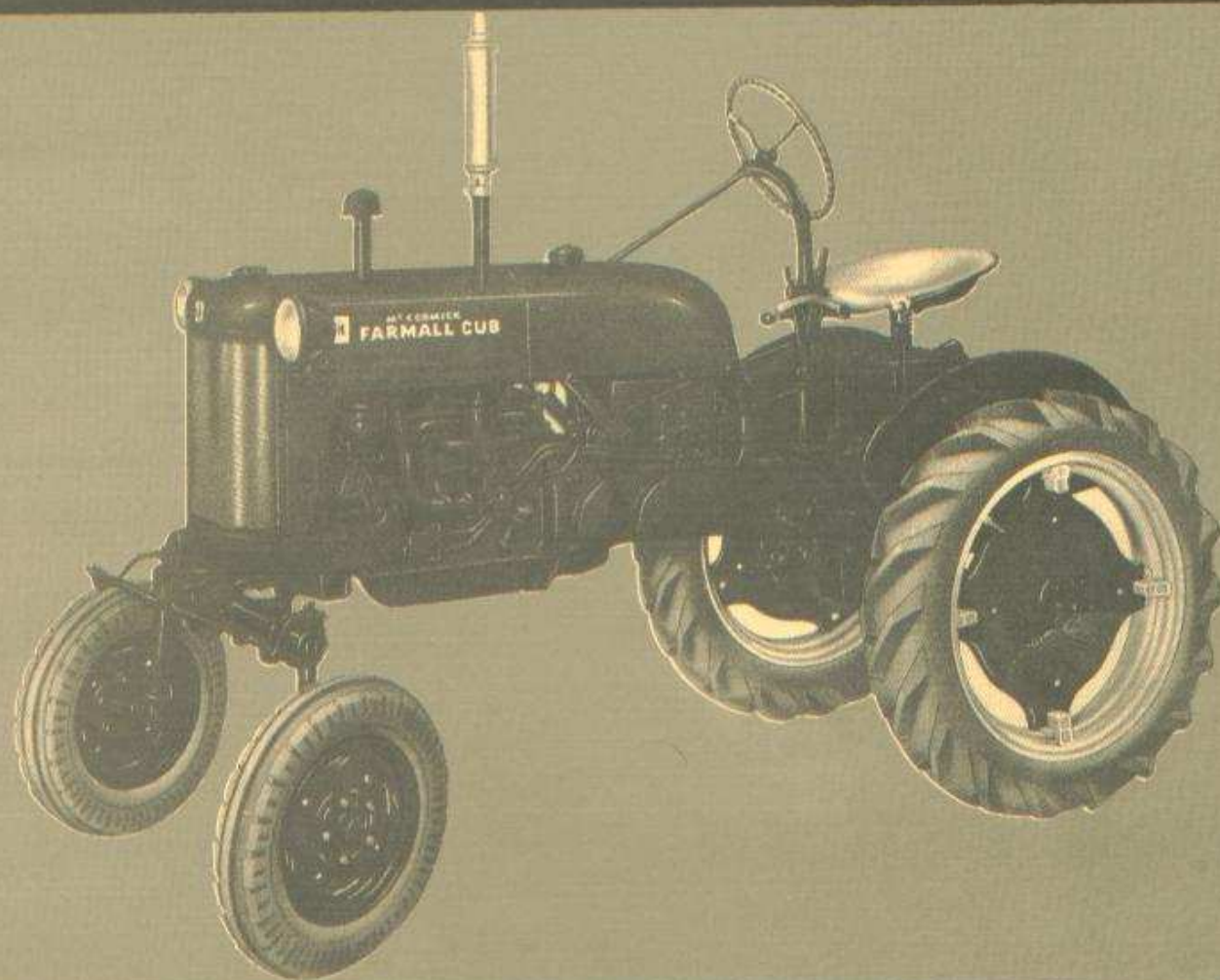
McCORMICK®

FARMALL®

# CUB

TRACTOR

and Cub Implements



PLOWING



DISKING



PLANTING



CULTIVATING



MOWING





**FARMALL**

**CUB**

**TRACTOR**



You're farming 40 acres or less and you're tired of plodding behind horses, mules or a garden tractor . . . you're eager to do more work in less time . . . to handle more acres or have more leisure . . . to earn money with less physical effort. You want a small tractor to fit your needs and pocketbook.

International Harvester has provided the answer to your problem. The Farmall Cub and its implements are designed to provide a completely adequate working unit for the small-acreage farmer . . . part-time farmer . . . commercial truck grower . . . and a handy utility working unit or *extra* tractor for the large-acreage farmer.

To thousands of farmers who have never used tractor power before, the Farmall Cub has introduced a new system of farming—the Farmall System—which is at once faster, easier, better and more profitable. Every day hundreds of new users are learning that the Farmall Cub is a practical, easy-riding, power-plus tractor that does the work of two or three horses, mules or small garden tractors. With its "big tractor" features—high compression 4-cylinder engine, power take-off, and a complete line of sturdy



Plowing 8 inches deep with the Farmall Cub



# { for small acreages...part-time farming... vegetable growing...and large-farm utility

and low-cost *quick-change* implements—the Farmall Cub fills the need for a fullfledged but low-cost farm power unit.

Large-acreage farmers, too, have adopted the Cub as a handy tractor to have around. On Cub-sized belt, field or road jobs, it's cheaper to operate than larger tractors. It saves time and crops, too, by keeping the big tractor busy in the field. The Cub is especially handy for hauling jobs—on the farm, in the yard or on the road.

The Farmall Cub handles every two-horse or mule job—and *then some*. It outworks a team on all jobs, and handles some jobs two or three times as fast. It doesn't "eat" when it isn't working, and adds from 3 to 5 crop acres for each animal it replaces. And, besides, it is always ready and "harnessed for work!"

Fuel consumption on the many Cub jobs averages slightly over 2 quarts per hour. In a 10-hour day under average conditions you can plow  $3\frac{1}{2}$  acres, disk harrow 10 acres, field cultivate 15 acres, plant from 8 to 10 acres of corn or cotton, cultivate up to 12 acres, and mow from 12 to 15 acres.

The pictures on this page illustrate just a few of the many jobs the Farmall Cub handles with ease.



Planting four rows of peas



Farmall Cub cultivating strawberries

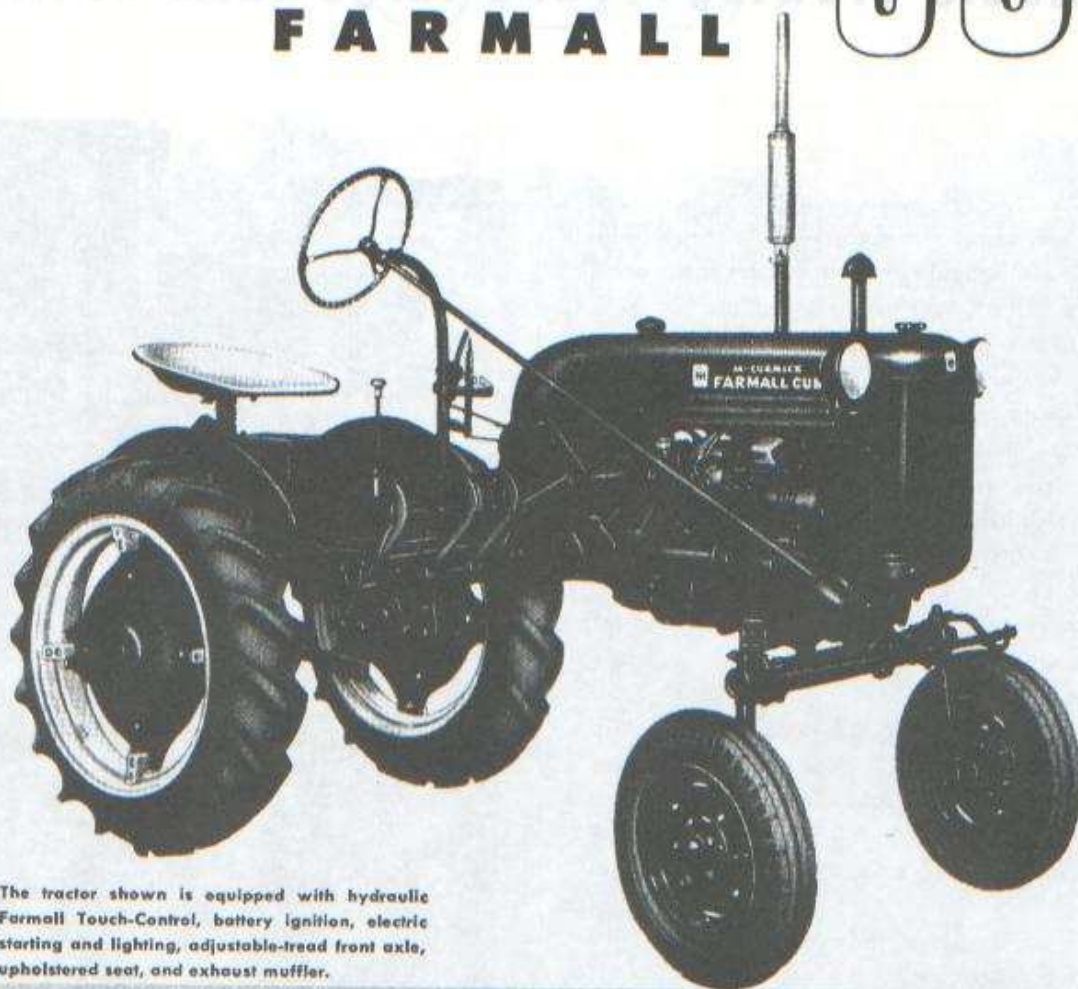


Cutting alfalfa at a rate of 12 to 15 acres a day



# FARMALL

# CUB



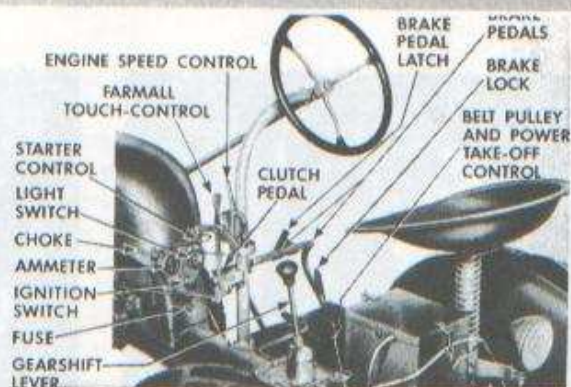
The tractor shown is equipped with hydraulic Farmall Touch-Control, battery ignition, electric starting and lighting, adjustable-tread front axle, upholstered seat, and exhaust muffler.

## HANDY CONTROLS

CULTI-

### Handy Controls

This picture shows you at a glance the arrangement of controls for convenient, easy, fast, safe operation. There is no stooping or stretching. Notice how the Farmall Touch-Control and engine speed lever are side by side on the steering wheel post. This makes it handy to (1) lift up the implement, (2)



throttle down the engine and (3) make the turn at the end of the field — all in a smooth, natural sequence without lost motion. Other controls — starter, gearshift and foot pedals — are arranged for speed and convenience in handling, too.





# low-cost, all-purpose farm tractor

- Provides versatile 5-way power
- Offers the right speed for every job
- Gives you maximum ease and operating comfort
- Allows you to see where you are going ...  
what you are doing

Here's the Farmall Cub, low-cost, all-purpose tractor built for rugged farm use. Take a good look at this handy power package. Good looking, isn't it? Gets around fast, too. And instead of doing just one job—pulling an implement—it provides 5-way power: (1) it *pulls* trailing implements; (2) *pushes* forward-mounted implements; (3) *operates* belt-driven machines; (4) *drives* power take-off operated machines; and (5) *raises, lowers and adjusts* implements by Touch-Control.

Climb into the soft, springy seat. Notice how the big cushion-coil spring takes the rebound. It smooths out your ride all day long. Notice how easy it is to see to the front, to both sides and under the tractor. We call this full-view feature "Culti-Vision."

Now for a short turn . . . spin the steering wheel, then brake the rear wheel on the side you are turning.

'Round she comes "on a dime"—and you've made one of those famous Farmall pin-point turns! Latch the two brake pedals together, and you are ready to stop the tractor safely and easily even at high travel speed.

Start down the field at  $2\frac{1}{8}$  miles an hour in low . . .  $3\frac{1}{8}$  in second . . .  $6\frac{1}{2}$  in high. With your left hand touch the engine speed governor control lever. This, together with the 3-speed transmission, gives you any speed between  $1\frac{3}{8}$  mph (creeper gear for close cultivating) to  $6\frac{1}{2}$  mph (road speed). Move the lever to the right speed for the job you're doing. The Farmall Cub has a right and efficient speed for every job, crop or soil condition.

Right beside the engine speed lever is the Farmall Touch-Control lever. With Touch-Control (special equipment) you can have effortless "fingertip farming."

## VISION

### Culti-Vision

Here's a driver's-eye view of the Farmall Cub that shows you how easy it is to see to the front, to the sides and beneath the tractor. The seat is offset so you can look straight ahead. This clear view of the rows and the work right in front of you is called "Culti-Vision." It permits you to see all forward-mounted implements at work while you're watching the row ahead. You can follow the row accurately at high speeds, or crawl at  $1\frac{1}{4}$  m.p.h. for a close-up job of cultivating. You save time and plants with Farmall Cub "Culti-Vision."



## EASY - TO - HANDLE

### Easy-to-Handle

You steer the Farmall Cub as easily as a car. To make a pin-point turn with an  $8\frac{1}{4}$ -foot radius, just spin the steering wheel with your fingertips and brake one wheel. These quick, short turns save time, especially in small fields. Notice how the foot-operated clutch leaves your hands free to operate control levers at all times.

These comfort and convenience features, including hydraulic Farmall Touch-Control, make the Farmall Cub *fun* to drive. It allows young and old alike to do as much work as a strong man in his prime, thus adding the equivalent of extra full-time help.



# Adaptable

## TO ALL CROPS AND ROW SPACINGS

Another thing that increases the Farmall Cub's usefulness is its adaptability to all crops, whether grown in wide or narrow rows, on beds, in furrows, or on the flat. A wide range of wheel tread adjustments gives you exactly the tread you need to properly work the crop. There's plenty of clearance, too, for cultivating many different crops. Here's how the Farmall Cub meets different row-spacing and crop requirements:

### Adjustable-Tread Rear Wheels

Rear wheel treads of from 40 to 56 inches, in 4-inch intervals, can be obtained by inverting wheels and varying position of tire rims on wheels. A wide-tread attachment provides treads from 48 to 68 inches.

### Regular Front Axle

The front wheels may be "dished in" for tread spacing of  $40\frac{5}{8}$  inches, or "dished out" by reversing them on their hubs for  $46\frac{3}{8}$  inches.

### Adjustable-Tread Front Axle (Special)

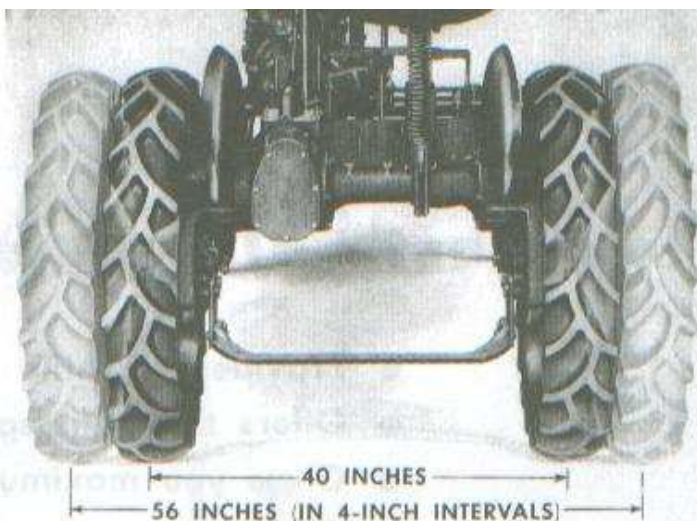
A special adjustable-tread axle gives you a range of  $40\frac{5}{8}$  to  $56\frac{3}{8}$  inches in 4-inch steps or intervals . . . to fit wide or narrow vegetable rows.

### Regular Crop Clearance

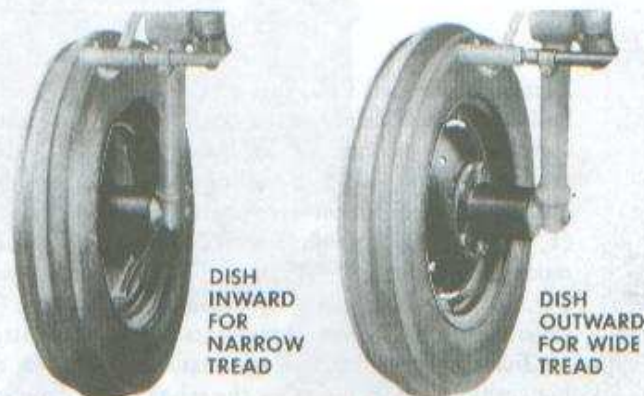
Regular crop clearance on the Farmall Cub is  $20\frac{3}{8}$  inches—the full width of the front axle. Wide-tread, increased clearance attachment provides  $21\frac{7}{8}$  inches.

### Wide-Tread—Increased-Clearance Attachment (Special)

Your Farmall Cub can be equipped with an attachment for wider tread widths ranging from 48 to 64 inches, and a crop clearance of  $21\frac{7}{8}$  inches. This increased width and clearance makes your Cub ideal for vegetable work . . . excellent for straddling beds . . . adapts it to a wide variety of special row spacings. It is available as a factory or field installation, and consists primarily of rear axle extensions, 6:00-30 (2-ply) or 7:00-30 (4-ply) rear pneumatic tires and rims with extensions to fit regular rear wheels, front axle extension, and front wheels with 4:00-15 (4-ply) pneumatic tires. The rear tires, being larger, give slightly increased tractor speeds. This attachment is for use on tractors equipped with adjustable-tread front axles.



Regular rear wheel tread adjustable to fit many row widths.

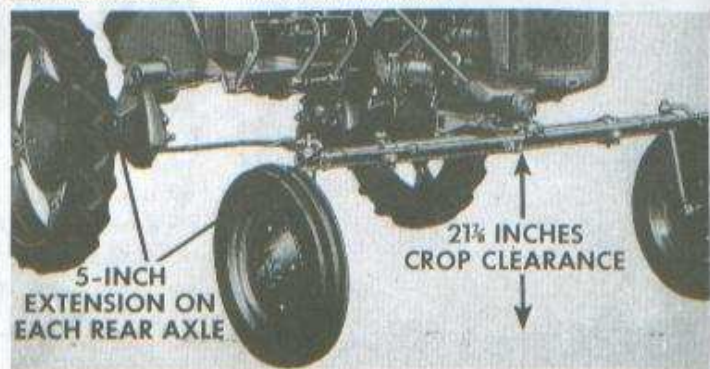


By reversing wheels on regular front axle so that disc flanges are turned in or out, treads of  $40\frac{5}{8}$  or  $46\frac{3}{8}$  inches can be had.



Adjustable-tread front axle available as special equipment.

An attachment for extra-wide treads and  $1\frac{1}{2}$  inches additional crop clearance can be had at small additional cost.





## FOR SPECIAL JOBS AND OPERATING CONDITIONS

### Battery Ignition, Electric Starting and Lighting (Special)

Battery ignition assures a perfectly-timed spark . . . makes starting easy even in cold weather. Spark is automatically advanced or retarded to give smooth operation at all engine speeds.

Electric starting and lighting is far more than a convenience. It saves your time and energy, saves fuel, and makes your tractor a power partner both day and night. The starter avoids hand-cranking . . . saves fuel by removing the temptation to idle the engine during "times-out" . . . makes it possible for the younger and older folks to operate the tractor. With the two headlights and one rear light, you can use your tractor for night work.

### Swinging Drawbar (Special)

The swinging drawbar is free to swing the full width of the regular drawbar. This makes it easier to turn the tractor under load when pulling trailing implements, and it makes possible shorter turns. It helps to eliminate side draft and makes steering easier when the tractor is pulling a heavy load on a straightaway. This attachment is especially desirable when working small, irregular-shaped fields.

### Power Take-Off (Special)

The power take-off consists of a shaft extending from the transmission through the differential housing to the rear of the tractor. It drives the side-mounted Cub mower and other PTO-driven machines. PTO speed is 1600 rpm.

### Belt Pulley (Special)

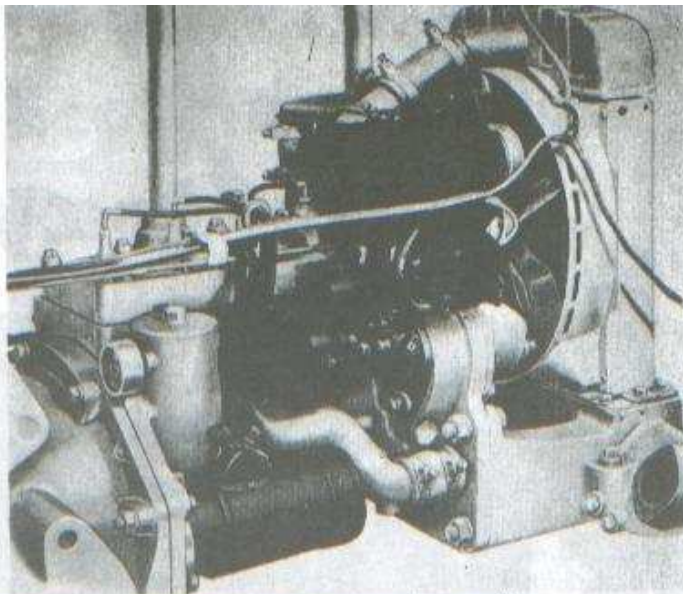
The belt pulley is driven from the power take-off shaft at the rear of the tractor. With a pulley, you can use your Farmall Cub to operate corn shellers, feed grinders, hammer mills, and other belt-driven machines. The regular pulley has a 9-inch diameter and 4½-inch face. Pulleys with 6 or 7½-inch diameter are also available. At shaft speed of 1322 revolutions per minute, these pulleys give the following belt speeds in feet per minute: 9 in.—3114, 6 in.—2050, and 7½ in.—2638.

### Front Wheel Weights (Special)

One or two weights attached to each front wheel make the tractor easier to steer when pulling heavy drawbar loads or when heavy rear-mounted equipment is used.

### Rear Wheel Weights (Special)

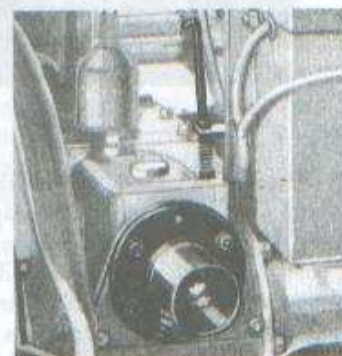
One or two weights can be attached to each rear wheel to reduce slippage and increase drawbar pull at low speeds. Tires can be filled with liquid if additional weight is desired.



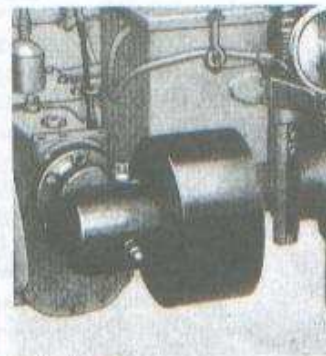
Farmall Cub engine, showing generator, voltage regulator, distributor, and starting motor which are part of the electric starting and lighting attachment.



Swinging drawbar on tractor; free end rides on regular drawbar.



Power take-off



Belt pulley

Front wheel weights



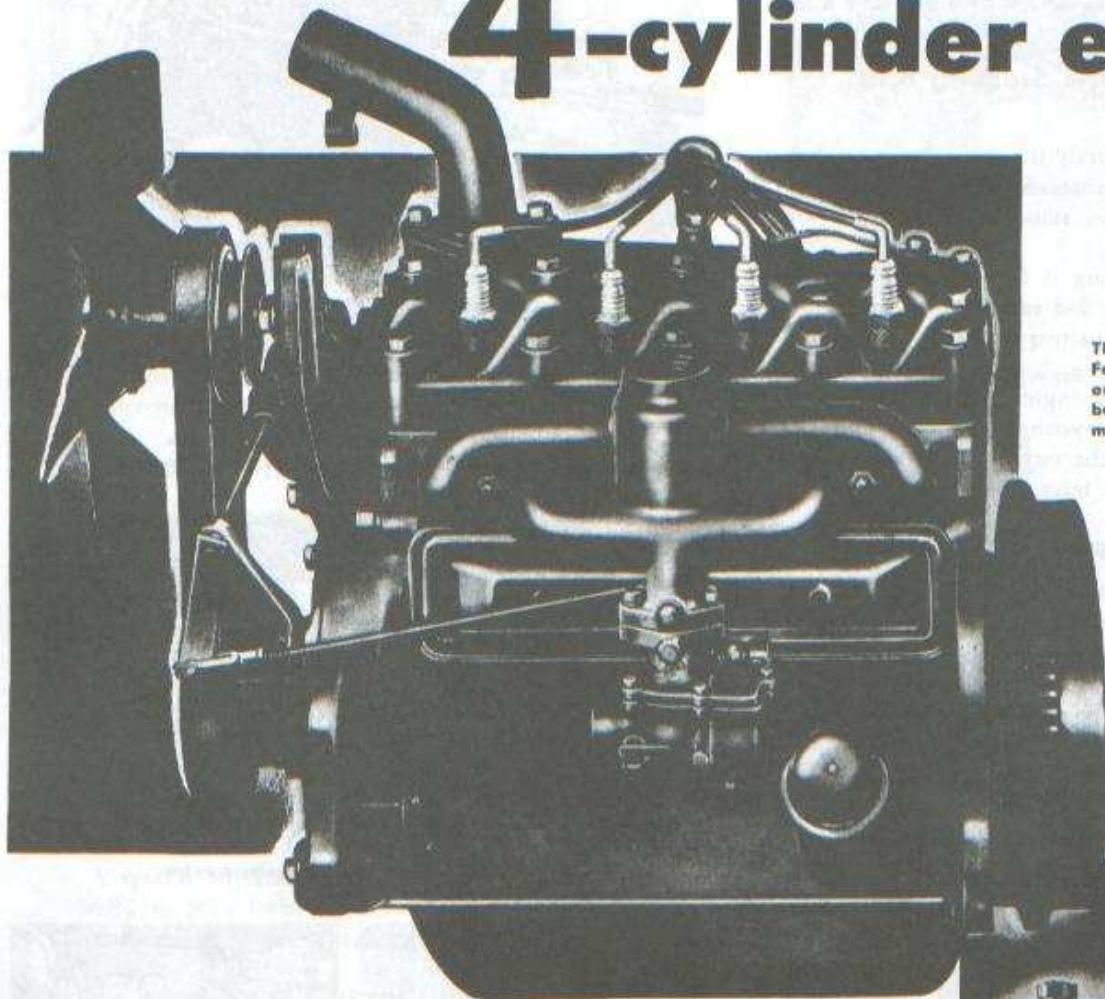
Rear wheel weights





**FARMALL CUB**

# 4-cylinder engine..



This sturdy, economical 4-cylinder Farmall Cub engine develops  $9\frac{3}{4}$  h.p. on the belt and  $8\frac{7}{8}$  h.p. on the drawbar. It has a quick-acting governor and many other big-tractor features.

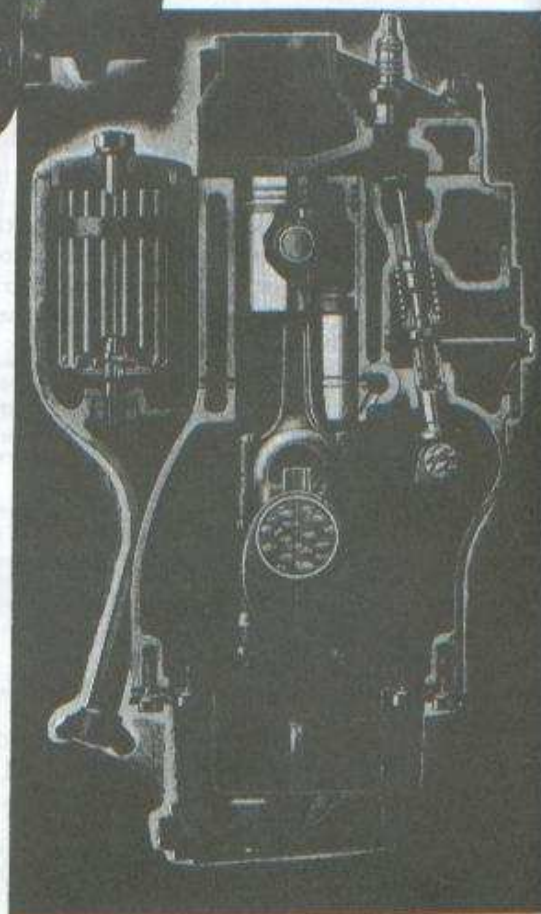
This cross-sectional view illustrates the sturdy construction and well-balanced engine design.

Here's a heavy-duty, high-compression tractor engine that's precision-built for long service on tough farm jobs. Its smooth, steady, 4-cylinder power outworks two or three horses or mules in the field or on the road, and does belt work and other power jobs that work animals can't do.

The Farmall Cub gasoline engine provides lots of low-cost, low-upkeep power for the size and weight of the tractor. It develops  $9\frac{3}{4}$  hp on the belt and  $8\frac{7}{8}$  hp on the drawbar. Its efficient performance is based on the same time-tested, big-tractor features which have won the approval of more than a million satisfied Farmall users.

## Fast-Acting Governor Control

Like all International Harvester tractors, the Farmall Cub gives you quick, flexible governor-controlled power instantly responsive to every load change. When the going gets tough, the fast-acting governor opens the throttle—and the engine "hangs on" and pulls you through without stalling. When the going is easier, the governor closes the throttle to match the lighter load. The variable-speed governor control lever also permits slowing down the tractor to a mere crawl for close cultivation or when making turns, *without shifting gears.*





• **PRECISION-BUILT FOR**

# **Economy Performance Long Life**

## **Efficient Cooling System**

Thermosiphon cooling is the ideal system for small engines. It permits rapid warm-up, thus minimizing condensation and sludge formation; and it maintains proper engine temperatures when pulling light or heavy loads in hot or cold weather. This gives you maximum operating efficiency under all conditions.

## **Pressure Lubrication**

Pressure lubrication forces the oil through drilled passages in the block and crankshaft to lubricate the crankshaft, connecting rod and camshaft bearings. All bearing surfaces and cylinder walls are positively, completely and continuously covered with a film of oil. There are no oil pipes that may break and result in a damaged engine.

## **Heavy-Duty Crankshaft with Replaceable Precision Bearings**

The crankshaft is a heavy steel forging, heat-treated for strength and balanced for smooth operation. The main bearing and crankpin journals are hardened by a high-frequency process, providing extremely hard bearing surfaces yet a tough and shock-resistant internal structure.

The crankshaft and connecting rod bearings provide perfect clearance for a constant, even oil film which minimizes friction, cushions pressures, reduces wear and flushes away abrasive materials. If these bearings become damaged or worn, they are easily replaced.

## **Outstanding Fuel Economy**

All factors affecting fuel economy were given particular attention when this high-compression Farmall Cub engine was designed. This results in your being able to do all your work on surprisingly little fuel—gas consumption is in quarts, not gallons.

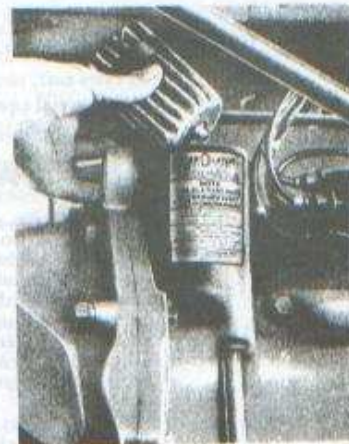
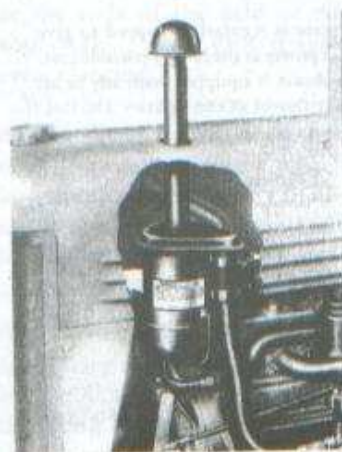
## **Magneto or Battery Ignition**

A complete self-contained magneto unit, regular equipment, provides a reliable hot spark. If preferred, battery ignition—engineered for especially rugged tractor service—is available. Dust-sealed distributor, special sealing plate separating contact points from high tension chamber, and oil-filled moisture-proof coil and condenser contribute to dependable performance and long life. Battery ignition includes electric starting and lighting. A special starting and lighting attachment is available for magneto ignition.

## **Filtered Air and Oil**

An oil-bath-type air cleaner washes the air before it reaches the carburetor. It removes even the tiniest dust particles before they reach the engine.

Dust is removed from the engine oil by a large-area, resin-impregnated, paper-type filter. Abrasive particles as small as a micron (.000039 of an inch) are removed. The results are: 120 hours of operation between oil changes, wear reduced to a minimum, replacement of parts postponed, a high level of performance maintained continuously and the useful life of the engine prolonged.





# FARMALL CUB SPECIFICATIONS

(Based on 8-24 and 4.00-12-inch tires)

## General

Maximum belt hp. (approx.)*	9.76
Maximum drawbar hp. (approx.)*	8.89
Forward speeds, mph	2 1/8, 3 1/8, 6 1/2
Reverse speed, mph	2 3/8
Crop clearance, inches:	
Under front axle	20 3/8
Under rear axle	20 3/4
Turning radius, with brake applied, feet	8 1/4
Wheel treads, inches:	
Rear, by 4-inch intervals	40 to 56
Front, regular	40 5/8 and 46 3/8
Front, adjustable axle, by 4-inch intervals	40 5/8 to 56 3/8
Drawbar:	
Type	Crossbar with holes, hitch points up to 11 7/16 inches each side of center
Adjustable, inches above ground	12 3/8, 14 3/8 and 16

## Engine

Bore and stroke, inches	2 5/8 x 2 3/4
Number of cylinders	4
Piston displacement, cubic inches	59.5
Engine rpm, rate full load	
governed speed range	1000 to 1600
Compression ratio	6.5 to 1
Lubrication:	
Type	Pressure
Crankcase capacity, quarts	3
Oil filter	Replaceable paper element
Recommended oil changes, hours	120
Clutch (single-plate, foot-operated), diameter, inches	6 1/2

\*Corrected to sea level barometric pressure (29.92 in. hg.) and 60° F. air temperature, according to A.S.A.E. and S.A.E. test codes.

\*\*For weights with water in cooling system and full fuel tank, add approximately 65 pounds.

## Cooling system:

Type	Thermosiphon, radiator and fan
Capacity, quarts	9 3/4
Ignition	IH Model J-4 Magneto

## Chassis

Pneumatic tires: (Also see special equipment)	
Front, inches	3.00-12
Rear, inches	6-24
Brakes	2 foot-operated brakes on bull pinion shafts
Steering gear	Enclosed-worm
Fuel tank capacity, gallons	7 1/2
Air cleaner	4-inch diameter, oil-bath type

## PTO and Belt Pulley (Special Equipment)

Power take-off, rpm	1600
Belt pulley:	
Location	Rear of tractor
RPM	1322
Belt speed, feet per minute (9-inch pulley)	3114

## Dimensions and Weight

Wheelbase, inches	69 1/4
Length, inches	99 3/8
Width, inches:	
Minimum tread	48 1/4
Maximum tread	64 1/4
Height, inches (top of steering wheel)	62 3/4
Weight, pounds (approximate)**	1165
Weight with adjustable front axle, electric starting and lighting, belt pulley and power take-off, swinging drawbar and exhaust muffler (special) pounds (approximate)**	1430

## EQUIPMENT

The Farmall Cub tractor is regularly equipped to give you economical drawbar power at the lowest possible cost. At extra cost, you can obtain it equipped with any or all of the special equipment shown at the right.

### REGULAR

Gasoline engine, 4-cylinder, 2 5/8 x 2 3/4-inch  
Magneto ignition  
Reversible drawbar  
Rear wheels (treads adjustable, 40 to 56 inches)  
Front wheels with nonadjustable axle  
    (treads, 40 5/8 and 46 3/8 inches)  
Rear wheel fenders  
Differential steering brakes (foot-operated)  
Three-speed transmission  
Governor  
Pneumatic tires:  
    Rear—6-24-inch, 2-ply  
    Front—3.00-12-inch, 2-ply

### SPECIAL

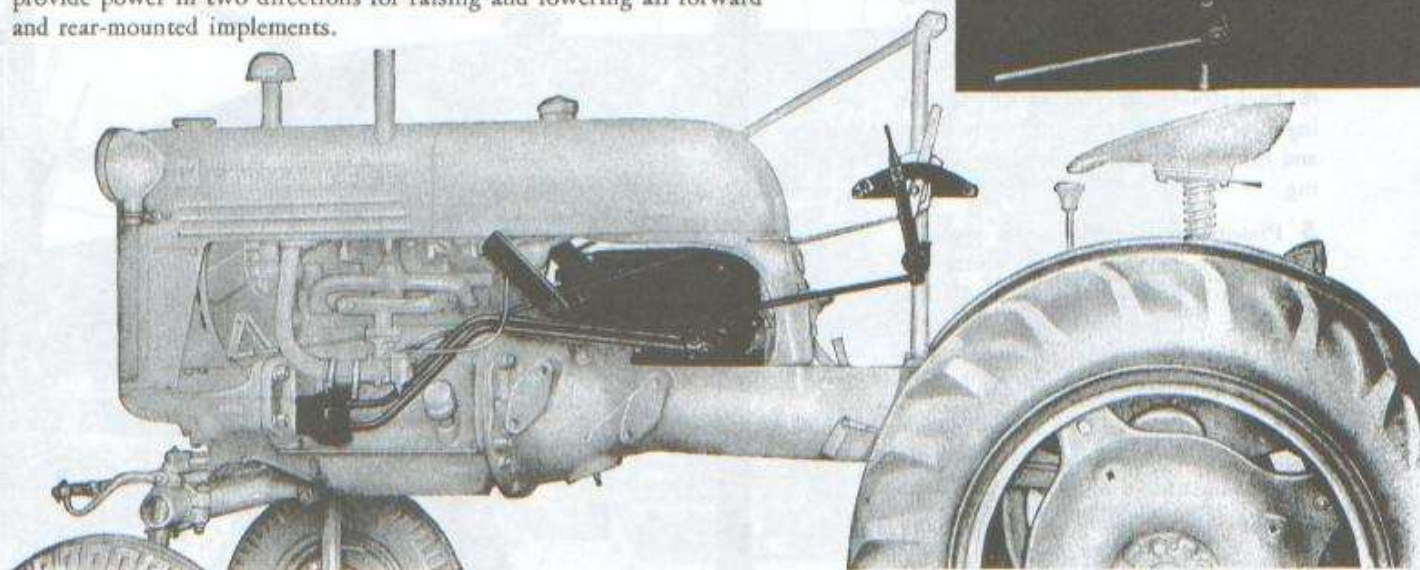
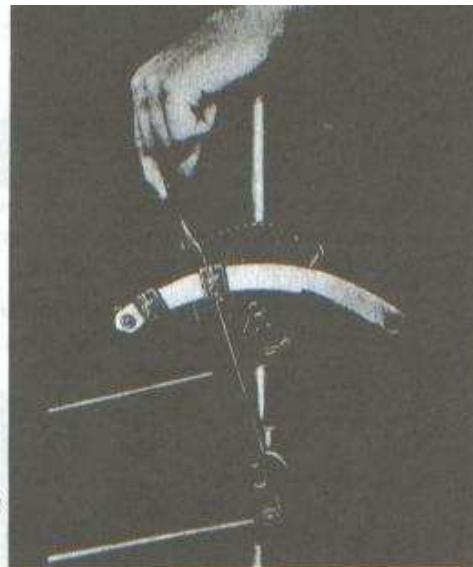
Farmall Touch-Control (hydraulic)  
Electric starting and lighting (for tractors with magneto ignition)  
Battery ignition, starter and lights  
Wheel weights, front and rear  
Adjustable-tread front axle (40 5/8 to 56 3/8 in.)  
Wide-tread, increased-clearance attachment  
Belt pulley  
Power take-off  
Swinging drawbar  
Exhaust muffler  
Spark arrester  
Upholstered seat (jute or deluxe foam rubber)  
Pneumatic tire pump  
Detachable seat pad  
High altitude cylinder head  
Combination rear lamp and taillight  
Pneumatic tires, as selected:  
    Front—4.00-12 and 4.00-15-in., 2-ply  
    Rear—7-24, 8-24 2-ply, and 8-24, 9-24 4-ply



## YOUR CHOICE OF IMPLEMENT CONTROL...

# Farmall Touch-Control

Farmall Touch-Control provides effortless fingertip control of Farmall Cub implements. It consists of a hydraulic unit, two power arms centrally located on the tractor, an engine-driven pump, and a conveniently located control lever on the steering post. The power arms provide power in two directions for raising and lowering all forward and rear-mounted implements.



## Manual Control

Manual control provides a common single lever for controlling Farmall Cub implements. It consists of one Master Manual Control lever and a centrally located rockshaft. If you buy your Cub with Manual Control, you can easily install Touch-Control later and continue to use the same implements.



You can buy your new Farmall Cub with either hydraulic Farmall Touch-Control for fingertip control of implements, or with the Master Control lever and a centrally located rockshaft for manual implement control.

With Farmall Touch-Control, you sit comfortably in the tractor seat and—with a touch of your fingers—"tell" the implement what to do. You raise the plow or cultivator at the ends of the field or when passing over a grassed waterway . . . then drop it again on the other side without even glancing back.

Whether *on the go* or standing still, Touch-Control takes only a fingertip touch on a small, pencil-sized lever to *raise, lower* and *adjust* the working implement. It provides instantaneous, *two-way* hydraulic power to hold the implements in the ground as well as power to raise them. This hydraulic power is supplied from a continuous-running, engine-driven gear pump.

**Master Manual Control Lever.** You can have quick, relatively easy manual control of implements with the single Master Control lever and central rockshaft. A counterbalancing spring, which neutralizes the weight of the implement, helps make quick adjustments during operation.





# QUALITY

**1** Power take-off and belt pulley are driven directly from engine through transmission spline shaft. Belt pulley is driven from power take-off through a set of quiet spiral bevel gears.

**2** Seat is the large bucket type which gives full support. The cushion coil spring smooths out the bumps.

**3** Transmission provides 3 speeds forward ( $2\frac{1}{8}$ ,  $3\frac{1}{8}$ , and  $6\frac{1}{2}$  mph) and  $2\frac{3}{8}$  mph in reverse. Close tolerances permit electric-induction hardened teeth to make full, even contact.

**4** Fuel strainer includes a dirt-retaining filter and glass sediment bowl. Bowl and filter are easily removed for cleaning.

**5** Pistons are equalized in weight, assuring smooth, balanced operation. Each piston has two compression rings and one oil control ring. Floating piston pins are surface-hardened for longer engine life.

**6** Valves are made of a corrosion-resistant, chrome-nickel alloy steel. Valve adjustment is made through an opening at the side of the engine.

**7** Battery ignition system (special equipment) is tractor-engineered for hard use. Dust-sealed distributor assures instant starting, long life. Coil is oil filled to keep out moisture.

**8** Cooling system is the simple thermosiphon type. The engine quickly reaches operating temperature and maintains this even under light load.

**9** Governor automatically adjusts power output to the load, maintaining uniform engine speed. The driver selects the desired speed by moving the engine speed control lever.

**10** Timing gear train consists of hardened steel gears of the helical type. Operation is quiet. Teeth are marked for quick matching.

**11** Steering gear is a worm and gear type, working in an oil bath. Spring-loaded seals keep the dirt out and oil in.

**12** Front wheel rotates on two precision-tapered roller bearings, sealed against dirt. Each wheel is a pressed steel disk with integral rims.

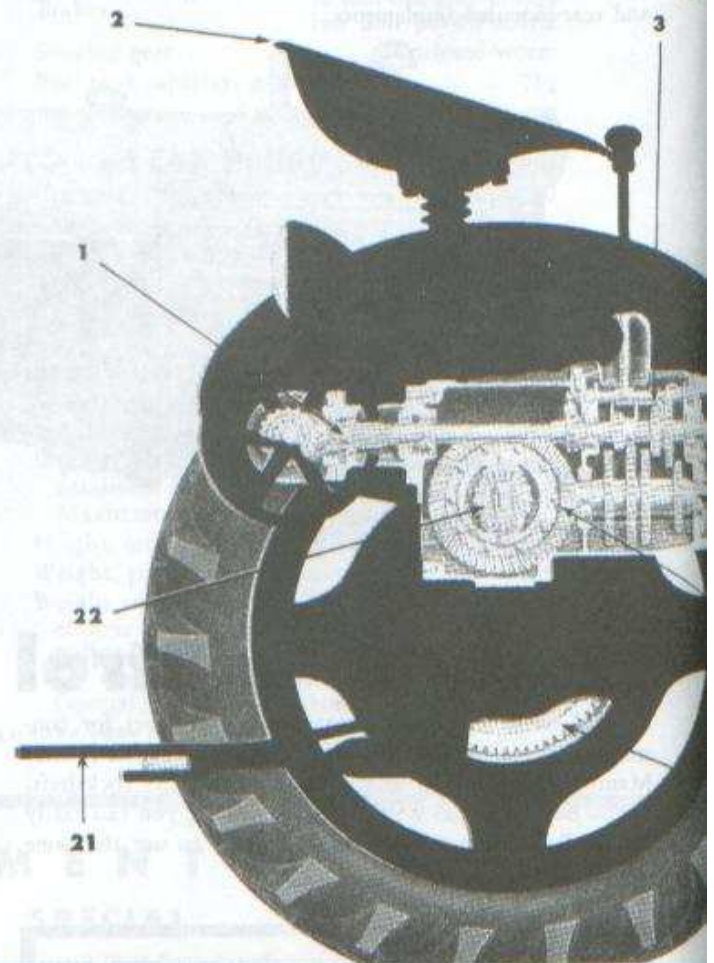
**13** Oil intake and pump provide positive pressure lubrication. The gear-type pump is located on the rear end of the camshaft. Oil is drawn through an oil intake screen.

**14** Connecting rods and crankshaft are built for strength and long life. The shaft is drilled for connecting rod

pressure lubrication. Shaft is electric-induction hardened for strength.

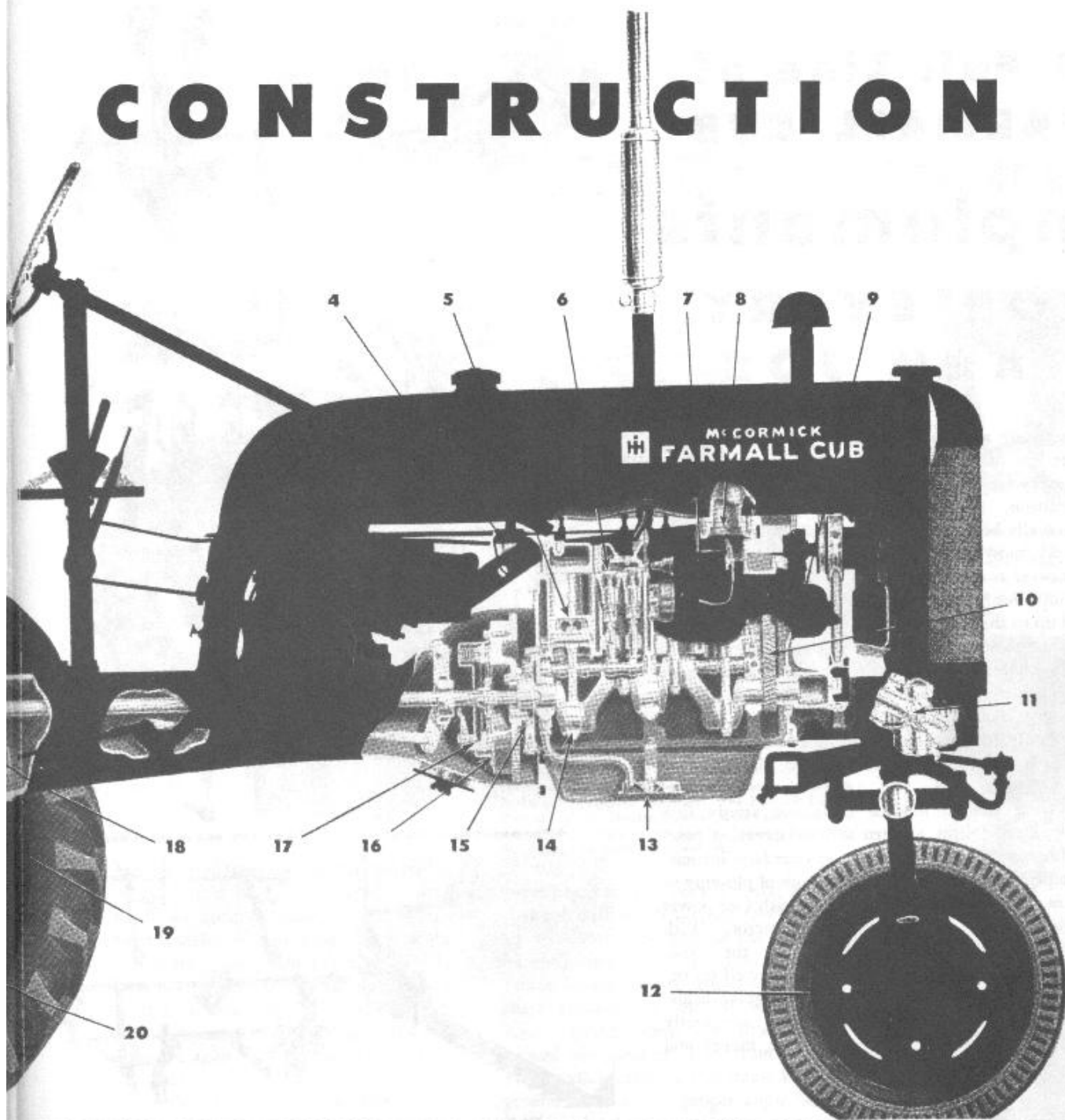
**15** Spring-loaded oil seal at the rear of the engine as well as at the front keeps dirt out and oil in.

**16** Flywheel is heavy and perfectly balanced; provides a smooth flow of power even under variable load.





# CONSTRUCTION



**17** Clutch is a single-plate, 6½-inch, dry-disk, foot-operated type. It applies power smoothly to the load.

**18** Ball and roller bearings are used wherever needed. A total of 23 reduce friction to a minimum and assure maximum operating efficiency.

**19** Bevel pinion and gear are pre-

cision-cut spiral bevel, running in an oil bath. They are mounted in a rigid one-piece case, assuring proper alignment of teeth under all loads.

**20** Rear axle drive gear has induction-hardened teeth and rotates on two tapered roller bearings, protected by spring-loaded oil seal.

**21** Swinging drawbar is mounted ahead of the rear axle. It assures easy steering and short turns when using pull-type equipment.

**22** Differential consists of two pinion gears and two side gears which have the strength and hardness to withstand the strain of many turns.

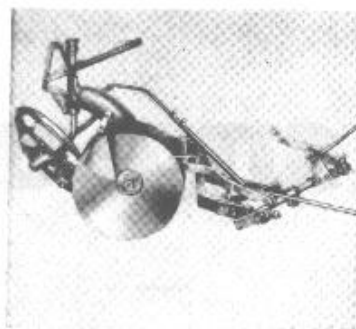


# A Full Line of FARMALL CUB Implements FOR EVERY FARM JOB

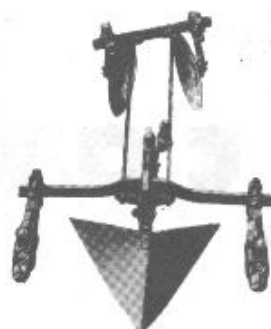
When you buy a Farmall Cub, you can choose from a complete line of matched, quick-change implements to handle every farm job regardless of the region, crop or soil condition. Mounted on the tractor, these implements actually become "self-propelled" plows, planters, cultivators, mowers, etc., that are as easy to transport and maneuver as the tractor itself.

The implements are simple and inexpensive, yet built to stand up to the toughest jobs. They have no support wheels, cumbersome main frames, levers or individual control mechanisms such as pull-type implements must have. Cultivators are simple tool bars with slip-on brackets and clamps to hold the ground tools. Plows consist of only a beam, colter, bottom and depth control lever. Each implement is reduced to the absolute essentials.

With these simple, modern tools and sturdy Cub power, you can follow modern soil conservation practices to improve your soil and increase your farm income. For example, you can do a much better job of plowing or disking in a green manure or cover crop with Cub power than with animal power or garden tractor. With fingertip Touch-Control, you'll find that the "self-propelled" Cub implements work especially well on the contour, in point rows and in small, irregular fields. And because these low-cost implements are easily attached and detached, the Cub saves time, money and crops on highly diversified farms.



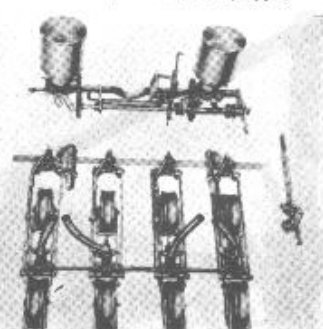
Harrow-plow



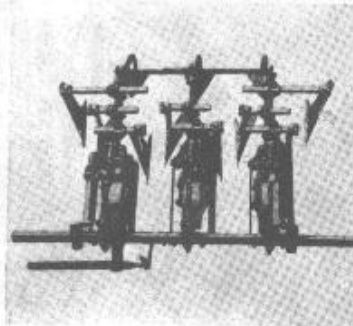
1-Row planter (sweep-type)



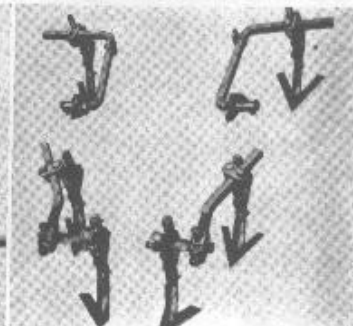
1-Row planter (runner-type)



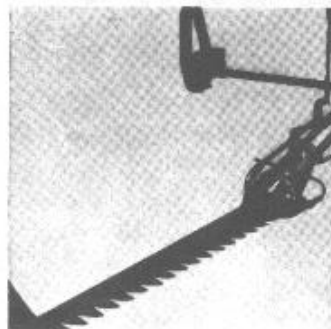
4-Row vegetable planter



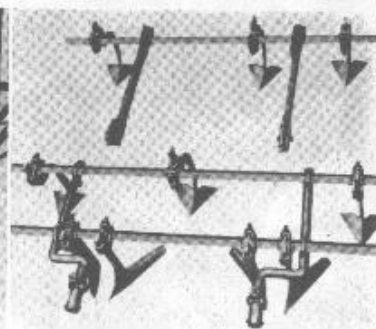
4-Row vegetable cultivator



1-Row corn and cotton cultivator



4 1/2-Foot mower



2-Row beet and bean cultivator



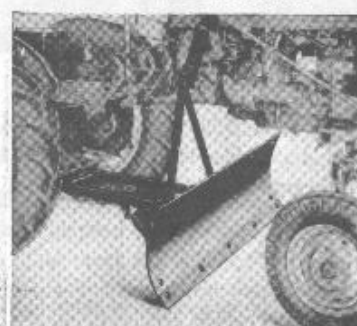
Moldboard plow



Disk plow



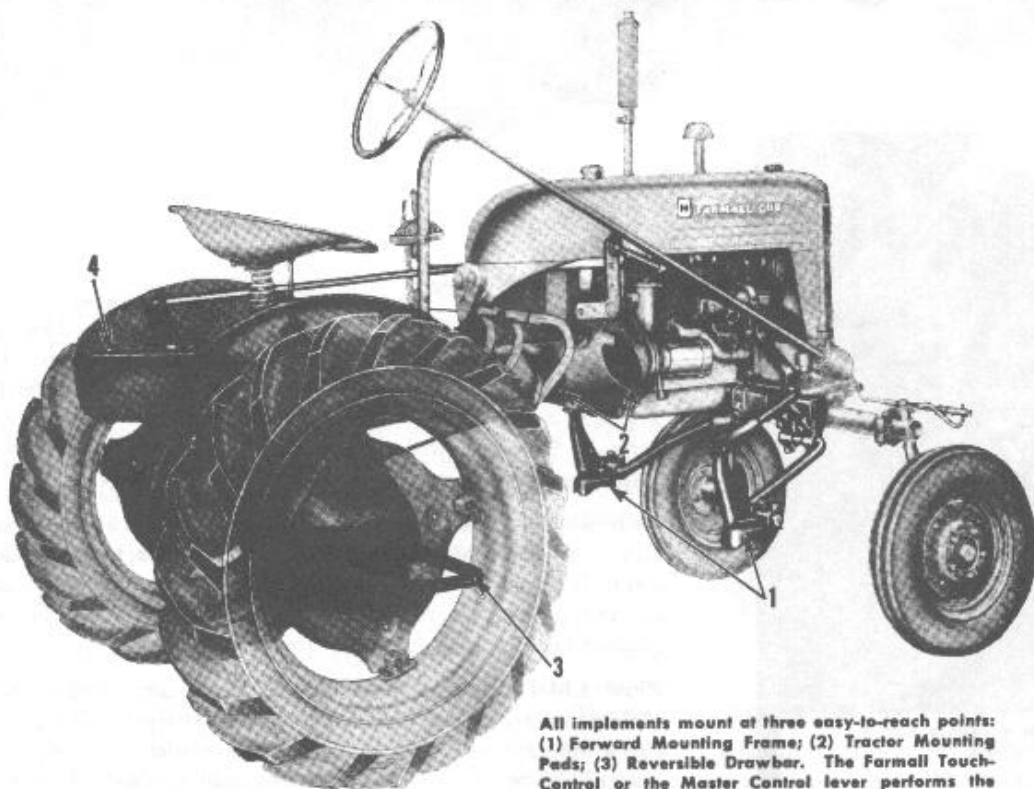
Field cultivator



Leveling and grader blade



# IMPLEMENTS ARE Quick-Change ATTACHED



All implements mount at three easy-to-reach points: (1) Forward Mounting Frame; (2) Tractor Mounting Pads; (3) Reversible Drawbar. The Farmall Touch-Control or the Master Control lever performs the operating adjustments through the Forward Mounting Frame (1) and Rear Rockshaft (4).

Whether you farm on a highly specialized or diversified farm, you want to spend the least time possible in *nonproductive* work such as changing implements. There are times when you are likely to have several different jobs to do with the tractor in one day. The quicker you can change implements and get back into the field again, the sooner you get each job done.

That's why Farmall Cub implements are designed to attach and detach in a matter of minutes. With universal mounting, the implements are slipped on quickly and easily. There are no pins or bolts to lose—merely tighten (or loosen) the bolt head which always remains in place.

## Three Easy-to-Reach Attaching Points

**1 Forward Mounting Frame.** All forward-mounted implements such as cultivators and planter ground units attach quickly to the gangheads in the Forward

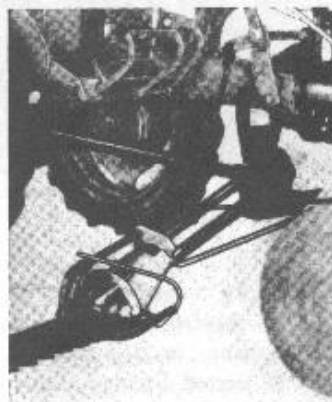
Mounting Frame. They are easily interchanged without disturbing row settings. Up-and-down movement of the mounting frame gangheads is actuated from the Touch-Control power arm or center rockshaft actuated by the Master Control lever. Springs keep the tools in the ground and protect them from damage. The parallel action of this frame keeps all ground tools at the proper angle at any working depth.

**2 Tractor Mounting Pads.** There are eight mounting pads with tapered bolts to match the tapered holes in the slotted slip-on brackets on the implements. The centering action of the tapered bolts locates the implement always in the same position.

**3 Reversible Quick-Change Drawbar.** Set it forward for rear-mounted implements, rearward for pull-type implements. In relocating drawbar, you just loosen and tighten four bolts.



Set the cultivator unit on the ground under the Forward Mounting Frame, then lower the frame. A few turns of the wrench attaches the implement units.



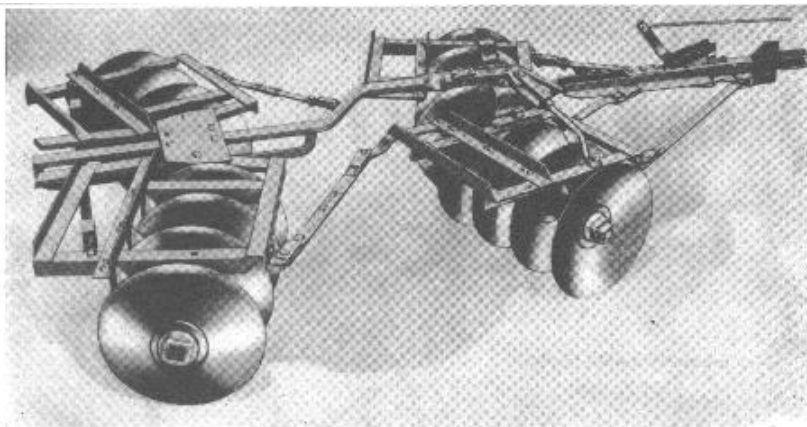
This shows the simple attachment of the Farmall Cub side-mounted mower to the tractor mounting pads.



The slip-on brackets of rear-mounted implements and the drawbar can be quickly and easily attached to mounting pads on the rear axle housing.



# Plowing ... Tilling



The Cub-193 moldboard plow with a 12-inch bottom doing an excellent job.

Soils and tillage practices vary, but the need for a well-broken-up, weed-free seedbed is universal. No matter what your soil conditions or tillage needs, there are direct-connected Farmall Cub implements—as well as Cub size pull-type implements—to do the job the way you want it done.

Cub implements, when attached to the tractor, become an integral working unit with the tractor. They actually make the Farmall Cub a full-fledged plowing or tilling unit. With its short turning radius, you can easily work close to fences and in corners, around or over stumps, rocks, ditches and grassed waterways. The implements are rugged, simplified machines with just the essential parts required to do good work. Conventional frames and carrying wheels on most machines have practically been eliminated. You have your choice of either a tractor-mounted Master Manual Control lever, or hydraulic Farmall Touch-Control for controlling direct-connected implements.

## Moldboard Plows

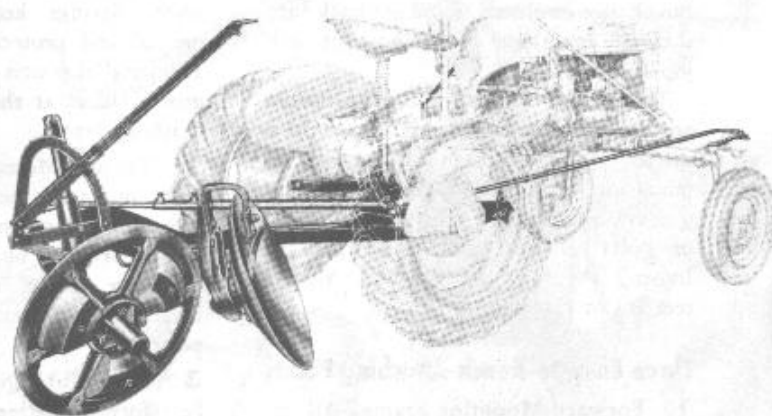
**One-way**—This one-bottom, moldboard plow does a thorough job of turning the soil under most conditions. It cuts a 12-inch furrow—down to 8 inches deep—at a rate of  $3\frac{1}{2}$  acres a day. The bottom is easily raised and lowered by Farmall Touch-Control or a Master Lever Control. Two cushion springs absorb shocks and protect the plow.

**Two-way**—In addition to all the features of the one-way plow, this plow has a left-hand bottom and latching mechanism. It turns all furrow slices in the same direction—no dead furrows or back furrows—making it ideal for small plots, contour farming, and for use in irrigated sections.

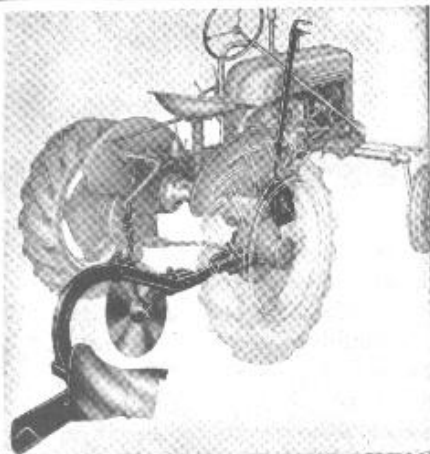
**Plow Chief Bottoms** furnished on moldboard plows have replaceable Spearhead points which stay sharp two to three times longer than conventional shares; blades last twice as long as the points. Point can be replaced at about the same cost as usually charged for resharpening a conventional share.

## Middlebuster

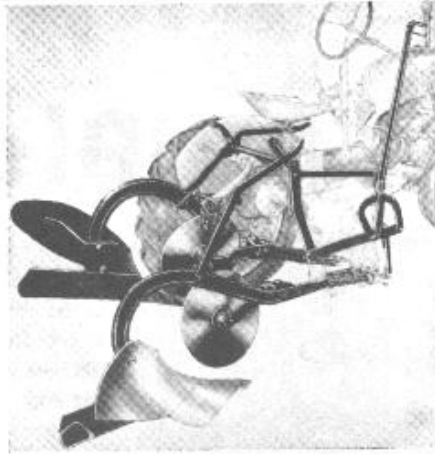
This husky, 10-inch buster throws up or reverses beds. A straight, vertical beam with ample clearance—plus a rolling



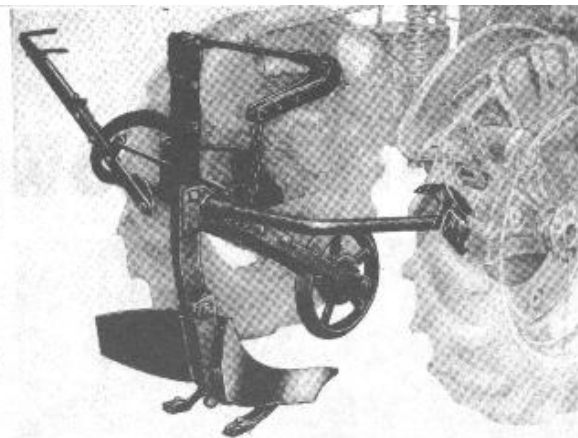




Cub-193 one-way moldboard plow.



Cub-189 two-way moldboard plow.



Cub-16 middlebuster.

colter—makes it ideal for working in trash. For average conditions, a gauge wheel replaces colter to regulate depth.

### Disk Plows

**Rear-mounted**—This sturdy plow is ideal for hard, dry ground, sticky soils, and stony or root-infested fields. The 26-inch disk is heat-treated for hard wear, and cuts a 10-inch furrow. The furrow wheel links to the tractor steering to turn a full-width furrow on curves or sloping land.

**Front-mounted**—This plow is especially adapted to medium-heavy to light, sandy soils. The 26-inch disk cuts a 10-inch furrow, up to 8 or 9 inches deep. The simple, U-frame construction makes the plow exceptionally strong and sturdy . . . quick and easy to attach . . . and low in cost. The rear spreader brace doubles as a drawbar . . . permits using the tractor for pulling implements or wagon without removing the plow.

### Harrow - Plow

You'll find both the disk and harrow-plows ideal for building and maintaining terraces, for small and odd-shaped fields, and for hillsides and rough ground. The harrow-plow has

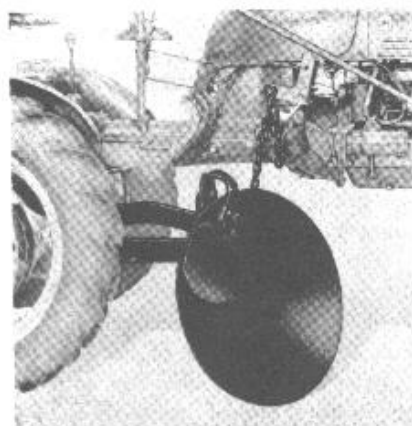
many of the same features as the rear-mounted disk plow . . . but it covers more ground—up to 4½ acres a day—plowing shallower and taking a 15-inch cut.

### Disk Harrow

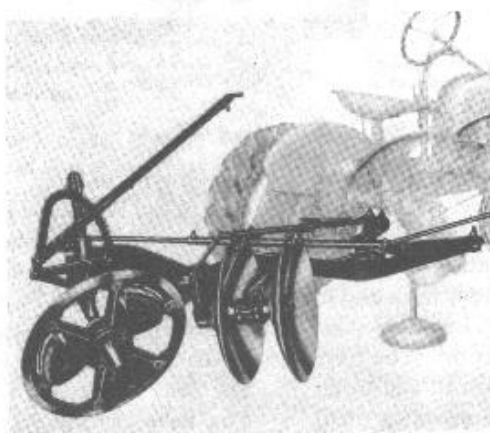
This 4-foot tandem disk harrow is designed for use with the Farmall Cub. A simple, cross-draft design assures accurate trailing, leaves no undisked ridges and reduces skidding on corners or while working on the contour. Automatic power angling is controlled by a rope from the tractor seat. This disk can also be obtained in a single-section model. Other single-cut disk harrows are available in 5-foot sizes or larger.

### Spring-Tooth Field Cultivator

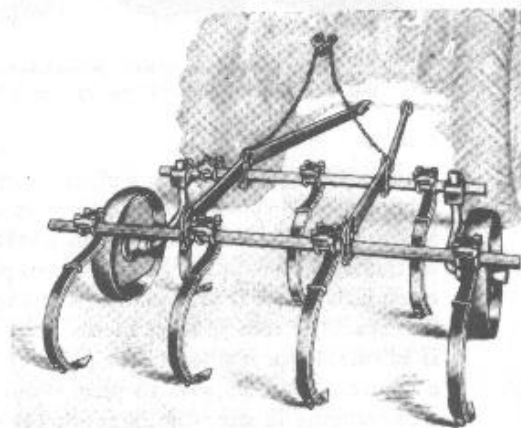
You can work 15 acres a day with this 54-inch, rear-mounted spring-tooth field cultivator. It mulches the soil . . . up-roots quack and other pest grasses . . . leaves a rough, cloddy, moisture-holding surface . . . and stirs the soil deeply, which allows it to warm up fast. Teeth are spaced to prevent clogging. However, trash is cleared easily by raising cultivator completely off the ground by Farmall Touch-Control or Master Manual Control.



Cub-152 forward-mounted disk plow.



Cub-12-D harrow-plow.



Cub-3 spring-tooth field cultivator.



# SINGLE-ROW DRILL Planters ..

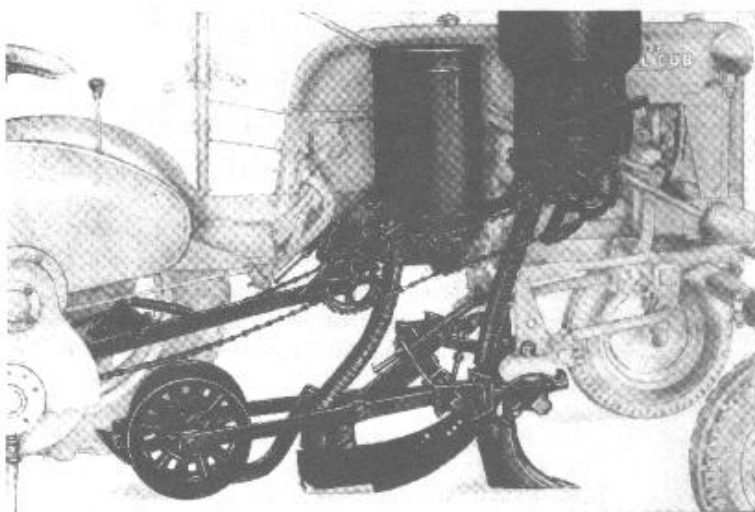


Whatever you grow . . . wherever you live . . . International Harvester makes Farmall Cub planters to fit your crop, soil and planting practices. These one-row, forward-mounted corn and cotton planters are simple, sturdy units designed for quick-change and easy operation.

There are two basic planters—runner and sweep type. They can be equipped to plant on the flat, or on top of beds, or to open furrows and throw up beds at the time of planting.

You have your choice of four different seed hoppers with a variety of seed plates to plant any size or type of seed accurately. The hopper seed plates are chain-driven from a sprocket on the inside of the rear axle housing. Seed plate drive stops automatically as the planting unit is raised.

A fertilizer unit is available for the planters. The same unit can be used with the corn and cotton cultivator for side dressing. The rear cultivator section can be used to work the wheel tracks.



Runner-type, single-row drill planter for planting any crop in rows 36 to 48 inches wide.

**Runner-type planter.** This planter consists essentially of a hopper unit, runner opener and press wheel for planting almost any row crop planted on level seed beds. With special equipment it can be adapted to planting in furrows or on beds, too. It drill-plants from 8 to 15 acres a day in row spacings from 36 to 48 inches apart. The press wheel is adjustable for regulating the planting depth. You have a choice of four hoppers to plant corn, cotton and other seeds ranging in size from large lima beans down to small tomato seeds. Special equipment includes runner wing and dirt shield, bedding disks, furrowing shovel, covering blades, markers and fertilizer unit.



Sweep-type, single-row drill planter with cultivator rear section and fertilizer unit.

**Sweep-type planter.** This planter is designed to plant on beds in the Blackland region of the South. It is essentially the same planter as the runner-type, except for the ground unit which consists of a sweep, shovel opener, and shovel or disk coverers. Two shovels can be mounted ahead of the sweep to work the sides of the bed. The sweep, ranging in size from 14 to 26 inches, cuts off the top of the bed. The seed is placed in a furrow in moist, clod-free soil. You have the same choice of four hoppers as with the runner-type planter; and you can plant corn, cotton and other seeds in the same wide range of types and sizes.



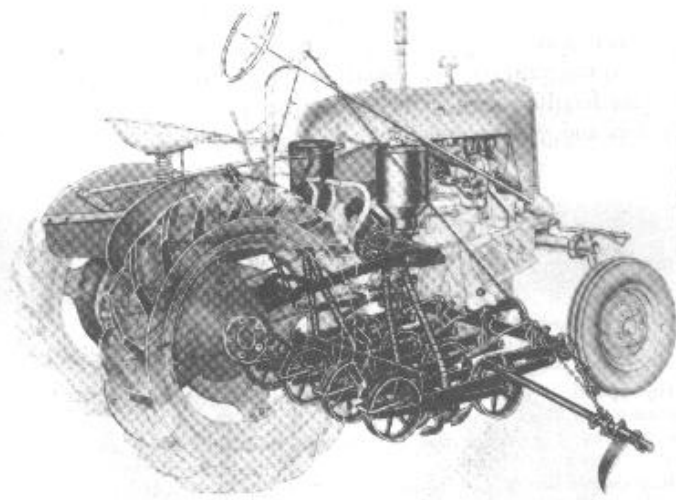
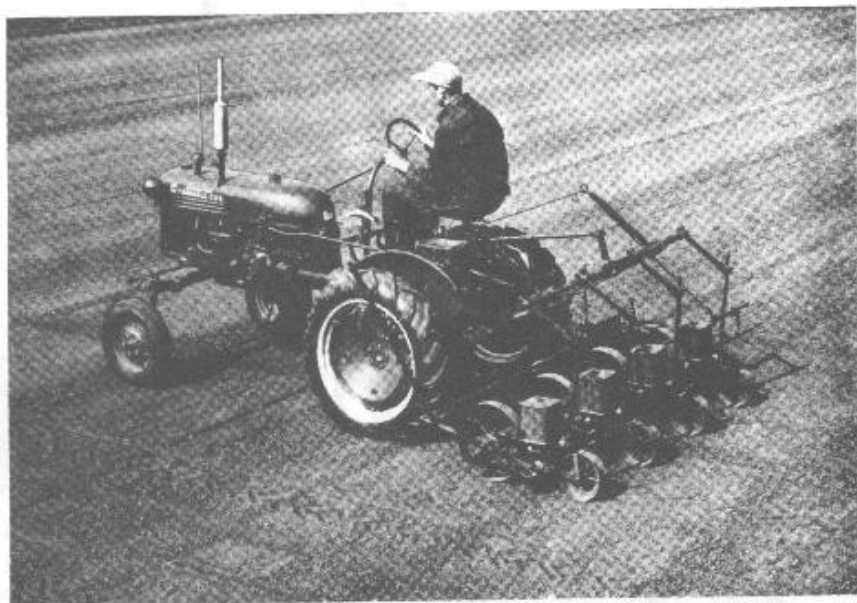
# • • VEGETABLE Planters

To meet the row-spacing problems of the vegetable industry, International Harvester provides quick-change Farmall Cub planters and cultivators designed to match each other in row-spacing capacities. The changeover from planter to cultivator, or vice versa, takes an average of only six minutes.

Vegetable planters are available in four-row forward and rear-mounted types. Equipped with Planet Jr. hoppers, they plant almost any vegetable seed on beds or on the flat.

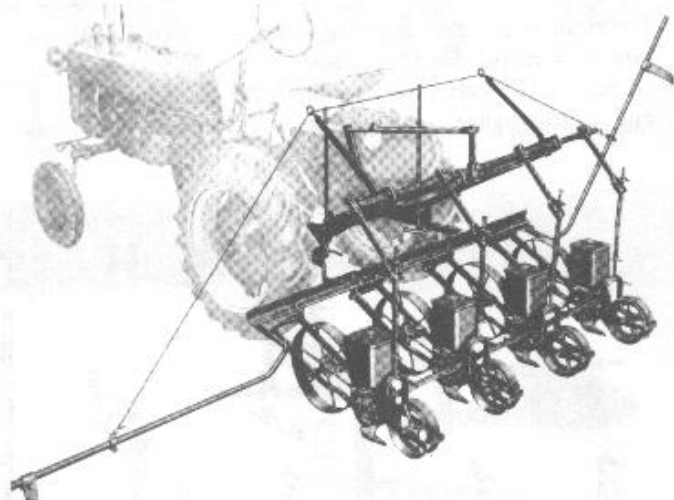
Hopper units have an automatic shutoff which opens and closes as the planting units are lowered and raised. The seed plates are easy to set, according to the chart inside the cover, for different size seed and seeding rate.

These planters consist essentially of hoppers, tool bar and individual floating ground units. The units are raised and lowered by Touch-Control or Master Lever control.



Four-row forward-mounted vegetable planter. A single-row, forward-mounted planter is also available.

**Forward-mounted vegetable planter.** This planter has four individual units floating on a tool bar, quickly adjustable for row spacing. Each unit has everything necessary to do a good job of planting—furrow opener, gauge wheel, press wheel, coverer, jockey bars, lift and pressure rod. The gauge wheels regulate the planting depth from  $\frac{1}{8}$ -inch to  $1\frac{1}{2}$  inches. With an adjustable front axle, this planter plants four 12-inch, three 16 or 18-inch, or two 22 or 24-inch rows. Equipped with a wide-tread, increased clearance attachment, an even wider range of row spacings can be obtained. The Planet Jr. type hoppers mount on a yoke frame attached to the tractor forward mounting pads. The hoppers need not be removed when cultivating.



Four-row rear-mounted vegetable planter for the Farmall Cub. A forward-mounted cultivator can be used with this planter.

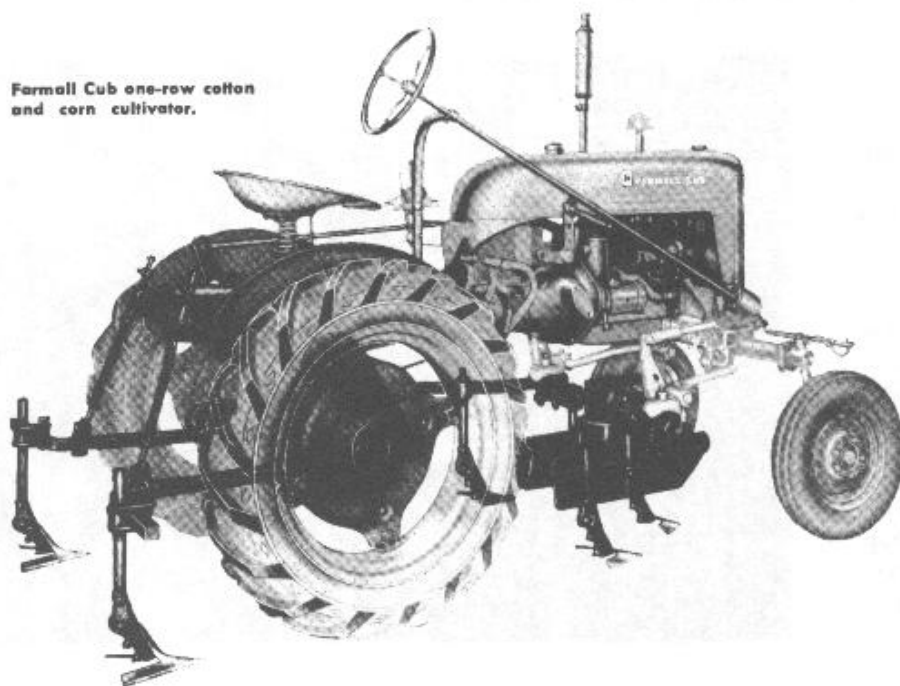
**Rear-mounted vegetable planter.** This planter has four independent floating Planet Jr. seeding units attached to an angle-iron tool bar at the rear. The large gauge wheel in front of each hopper drives the hopper mechanism. Each unit follows the ground contour to assure uniform planting depth. Jockey links tie the units together to insure equal row spacings. Additional units may be purchased to plant five 16-inch or six 12-inch rows. A single-row, forward-mounted planter is also available.

The rear-mounted planter is attached and detached in just a few minutes. However, it can be left on the tractor when cultivating, and the cultivator can be left on when planting. Thus you are always ready for either operation.



# COTTON AND CORN Cultivator

Farmall Cub one-row cotton and corn cultivator.



For clean, high-speed cultivation of corn, cotton and other wide-row crops, this tractor-cultivator combination is hard to beat. The cultivator is simple yet sturdily built . . . and quick-change attached to the Forward Mounting

Frame used with all forward-mounted Cub implements.

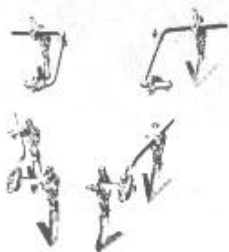
This cultivator is completely controlled by hydraulic Farmall Touch-Control or Manual Control. With Touch-Control you cultivate with fingertip ease all day long. Not much muscle work here! Just touch the pencil-size lever to raise, lower or adjust the gangs *on the go*. And with Culti-Vision—a clear view of the row ahead and the ground tools at work—you can easily see *what* you're doing and *where* you're going.

With this Cub cultivator you can work 36 to 56-inch rows, cultivate up to 12 acres a day. Spring or friction trip standards hold the tools and protect the cultivator against damage. Parallel gang action keeps the tools always at the same pitch.

Regular equipment includes front and rear sections, parallel floating shields and a choice of several different tool combinations. Special equipment includes fertilizer unit (also used with the planters) potato hillers and weeder-mulchers.

## Ground tools for every soil and crop

1 High-speed



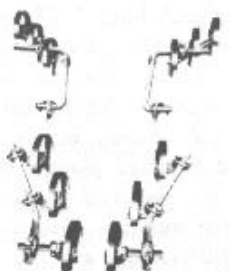
2 Wide-row



3 Deep cultivation

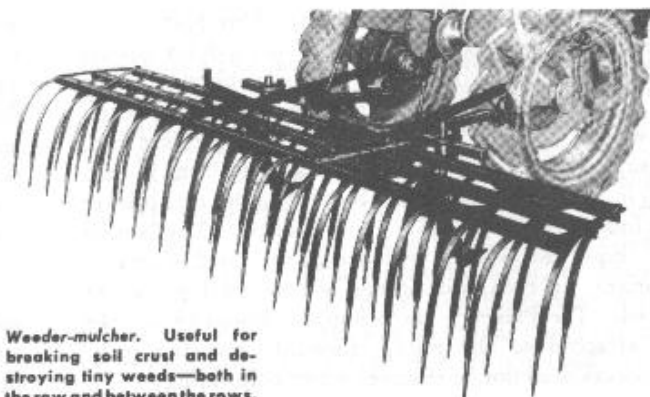


4 Stony soil



Regardless of the soil you have or the kind of weeds that infest your fields, there's a wide variety of ground tool combinations to fit your needs. Your IH dealer is glad to help you choose from these basic tool combinations:

- 1 **High-speed.** For fast, shallow, clean cultivation. Available with spring-trip or friction standards.
- 2 **Wide-row.** High-speed, too, but the rear section has longer tool bars to carry two standards and sweeps.
- 3 **Deep cultivation.** These double-point shovels loosen the soil deeply to allow tuber crops to grow larger.
- 4 **Stony soil.** Spring teeth for stony and root-infested soils, for quack grass, bindweed and morning glories.

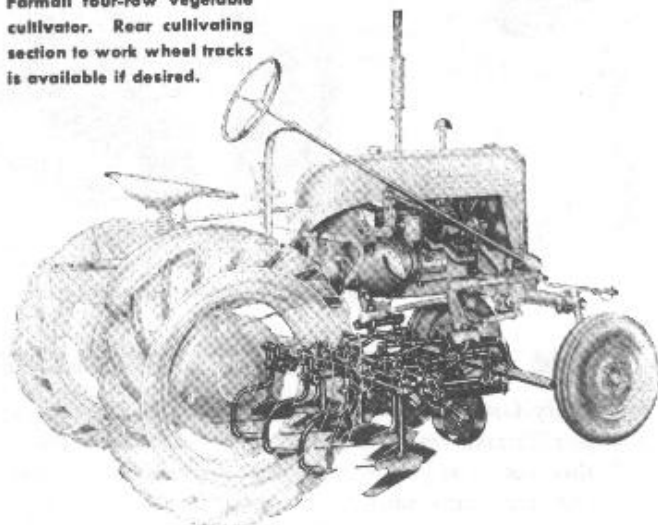


Weeder-mulcher. Useful for breaking soil crust and destroying tiny weeds—both in the row and between the rows.



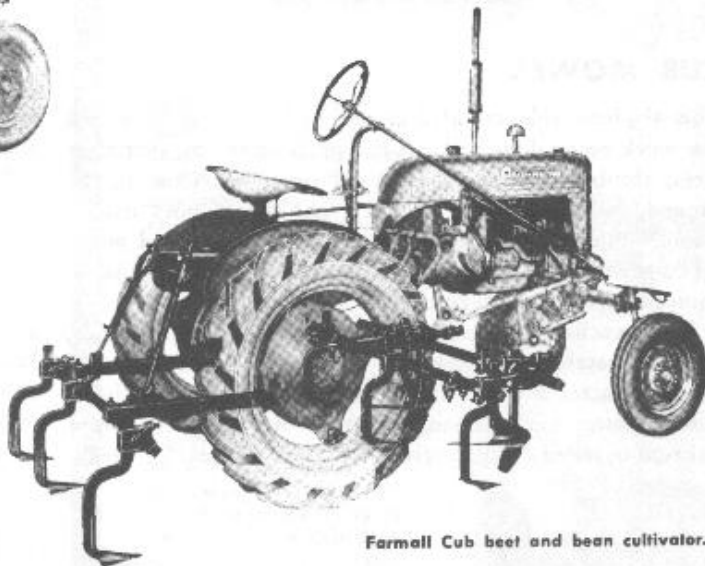
# VEGETABLE, BEET AND BEAN Cultivators

**Small four-row vegetable cultivator.** Rear cultivating section to work wheel tracks is available if desired.



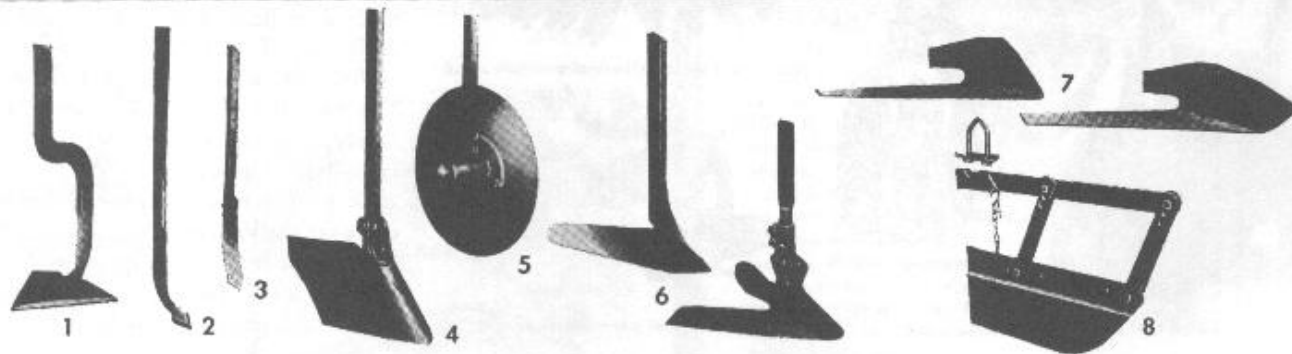
**Four-row, forward-mounted vegetable cultivator.** Knife weeder standards, tool bars and gauge wheels . . . that's all there is to this 4-row vegetable cultivator. Its three simple individual floating ground units and the easy-to-see row guide attach to the main tool bar. This tractor-cultivator combination handles any row spacing up to 30 inches that the Cub vegetable planters will plant. You can do a close-up job at any preset depth . . . save time and plants . . . and handle up to 55 row-width combinations.

**Two-row beet and bean cultivator.** This machine cultivates sugar beets, beans and other crops planted in 12 to 28-inch rows. Regular equipment includes a front section with a 62-inch double tool bar with five clamps. Special equipment includes a rear section with a single 62-inch tool bar, gauge wheels, shields and your choice of a wide variety of ground tools. For simple removal of wheel tracks, the wide-row cultivator rear section is recommended.



Farmall Cub beet and bean cultivator.

## Vegetable, beet and bean ground tools



**1 Duckfoots.** These tools are shaped to cut deep weed roots yet clear trash . . . are ideal for early cultivation because they don't cover plants.

**2 Diamond points.** For early, close cultivation, for crust breaking, deep cultivation and breaking up hard pan deeper than regular teeth.

**3 Deer tongues.** For close, deep cultivation in hard ground. Breaks up and mulches hard, caked surface.

**4 Irrigating shovels.** These shovels dig furrows between narrow rows without throwing soil over small plants. They are well polished for good scouring.

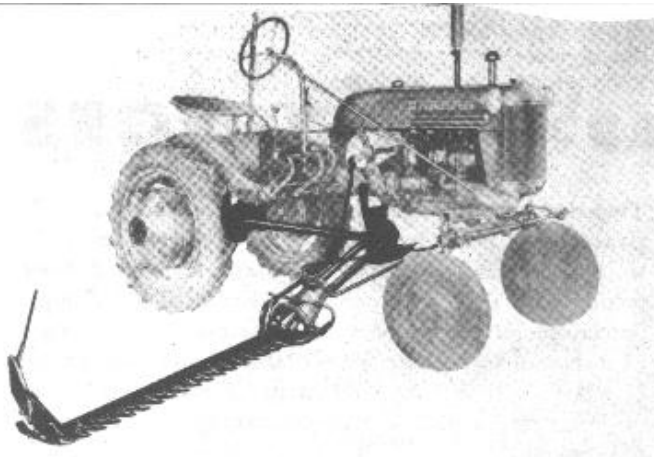
**5 Disk weeders (9-inch).** These 9-inch disk weeders cut through weeds, vines and trailing growths. They are fine for barring off, hilling and for early close-up cultivation.

**6 Knife weeders (beet and bean).** For accurate close-up work in young crops. The sides protect the small, tender plants. These tools slice weed roots, create a mulch. Two types are shown—non-adjustable, left; adjustable, right.

**7 Knife weeders (vegetable).** These tools do a similar weeding job in vegetables. There are two types, also—the upper one for stony soil, the lower one for muck and loam.

**8 Parallel-lift shields.** These shields protect the young seedlings the first time over.



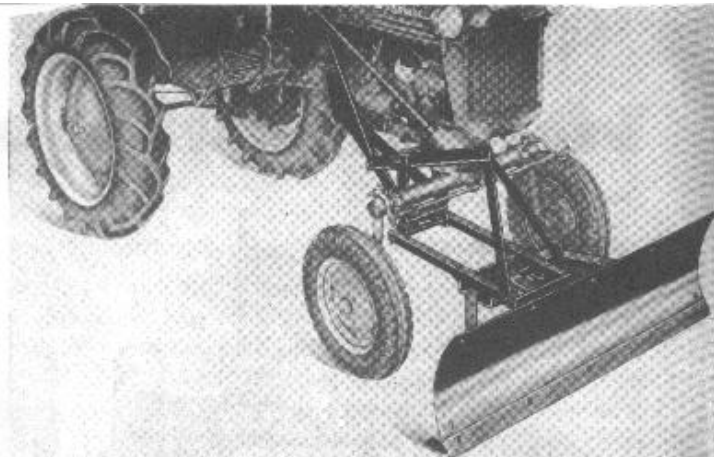


Cub-22 side-mounted mower.

## CUB MOWER

This 4½-foot, side-mounted mower makes it easy to watch the work being done and cut the grass or weeds—yet clear trees, shrubs or posts. The cutter bar floats close to the ground, even when the tractor right wheel goes over a hump. Flick the Farmall Touch-Control lever—and *presto*, up comes the bar over trash or obstructions. It can also be equipped for Manual Control, as shown.

This machine is handy for mowing small hayfields, pastures, estates and roadsides. It cuts at 3 mph, mowing 12 to 15 acres a day. It's a simple, low-cost machine—just a cutter bar, pitman, flywheel, and a quiet, power take-off-operated, V-belt drive—no gears to wear or break.

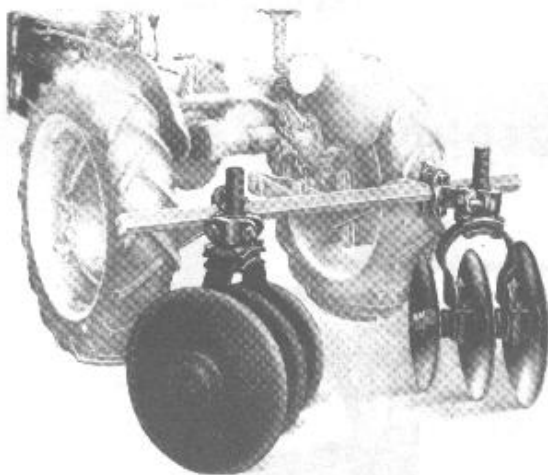


Cub leveling and grader blade in front-mounted position.

## CUB LEVELING AND GRADER BLADE

Every farm has a hundred and one small dirt-moving jobs. The Farmall leveling and grader blade is just the tool for this work. It plows snow, digs ditches, fills gullies, builds and maintains farmstead roads, levels seedbeds, repairs washouts and cleans feed lots. It also does leveling and terracing and other soil conservation work.

The 54-inch blade mounts quickly in front, or to the drawbar attached in the forward position, under the tractor. It can be angled right or left; either end can be adjusted up or down; and the pitch of the blade can be adjusted, too. A snow blade extension plate is available. Operation is easy with Farmall Touch-Control or the Manual Control.



Cub-6 tool bar disk harrow.



Cub-6 tool bar disk bedder and cultivator.



Cub-6 tool bar middlebuster

## CUB-6 TOOL BAR

This multi-purpose tool bar can be equipped with disk bedder and cultivator, disk harrow, and middlebuster attachments . . . to make and reverse beds, cultivate crops planted on beds, bust middles, and prepare seedbeds. It is ideal for growers of vegetables and other crops planted on beds. The tool bar is 56 inches long, made of sturdy, 1¾-inch square steel stock. Tools are quickly and easily attached . . . easily adjusted for row spacing, or angled and tilted for the kind of tillage desired. Recommended for tractors equipped with Farmall Touch-Control for raising, lowering, and adjusting depth of the tools.

## PULL-TYPE IMPLEMENTS SUITED TO THE FARMALL CUB

IMPLEMENT	SIZE	CAPACITY (Acres in a 10-Hour Day)
Peg-tooth harrows . . . . .	2-section	30
Spring-tooth harrows . . . . .	4½-foot	13
Single-cut disk harrows . . . . .	5-foot	15
Grain drills . . . . .	10-7	18
Lime and fertilizer distributors . . . . .	8-foot	20
Beef and bean planters . . . . .	4-row	18 to 26

IMPLEMENT	SIZE	CAPACITY (Acres in a 10-Hour Day)
Corn planters . . . . .	2-row	18
Manure spreaders . . . . .	40-bushel	..
Rotary hoes . . . . .	7-foot	25
Dump rakes . . . . .	10-foot	25
Side-delivery rakes . . . . .	.....	25
Corn binders (ground drive) . . . . .	1-row	7





Cub two-wheel trailer.

## CUB TWO-WHEEL TRAILER

This rugged, two-wheel trailer is built for general farm use. Its all-steel box with strong A-frame hauls up to 2500 pounds over rough ground. The disk-type wheels have tapered roller bearings and will accommodate 6.40-15 inch pneumatic tires.

The trailer box is 4 feet wide, 7 feet long and 12 inches deep. Stake slots on all four sides permit use of sideboards for hauling high loads or livestock. Corrugations in the steel bottom make it slipproof for livestock. The box is dump-style, with a spring release pin locking it to the A-frame in front and hinges attaching it to the axle. The box is set off-center so that the rear may easily be dropped for quick unloading of heavy materials. Endgate is easily removed by withdrawing the hinge pin.

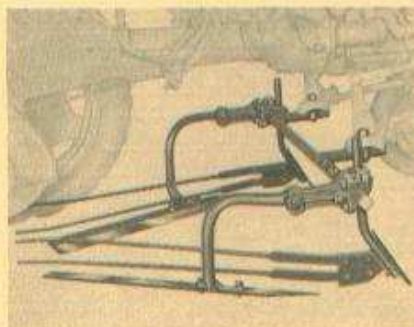
## NO. 8A PLATFORM TRACTOR-TRAILER

A trailer designed primarily for farm operations, with load capacity of 2000 to 2500 lb. Platform is 8 ft. long by 4 ft. 8 in. wide and has stake pockets on all sides. Features are the A-type pivot hitch, high-speed tapered roller bearings, and provision for locating axle in three positions for load balance. Wheels have 15-in. diameter and 5-in. rim . . . 6.40-15 tires are furnished, but 6.50-15, 7.00-15, and 7.50-15-in. high-pressure tires or super-cushion tires as large as 8.20-15 may be used.

## CUB BEAN HARVESTER

The Cub-A-33 bean harvester is an efficient and dependable unit for harvesting your bean crop. It handles two rows at a time, spaced 28 to 30 inches apart, on nonirrigated land. It is easily attached to the cultivator forward mounting frame, and operated either by Farmall Touch-Control or Manual Control.

The knife blade slices through the soil slightly below the surface and cuts off the beans. The turning rods pile the two rows into one windrow. A rigid, point-type divider runs directly ahead of the blades. The blades are easily removed.

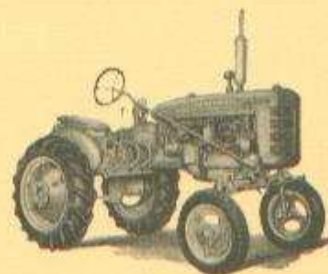


Cub-A-33 bean harvester.

# A FULL LINE OF TRACTORS

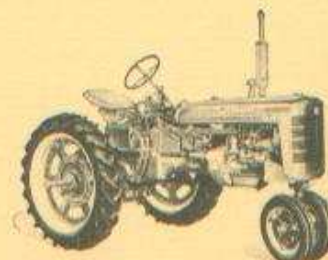
## FARMALL SUPER A

The Farmall Super A one-row tractor is a handy, all-around unit with power to outwork 3 and 4 horses or mules. The sturdy, economical engine delivers 19 horsepower on the belt, 17½ on the drawbar. The Farmall Super AV has 6 extra inches of crop clearance for working high beds or high crops.



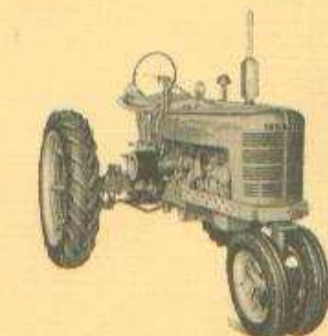
## FARMALL SUPER C

Here's a prime power for all jobs on diversified farms up to 120 acres . . . low-cost secondary power for two-row, two-plow work on large farms. The Farmall Super C is easy to handle, easy to steer, easy to ride. Complete line of matched implements. See your IH dealer. Write for free booklet.



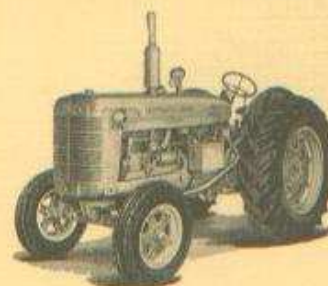
## FARMALLS H AND M

The Farmall H plows from 9 to 11 acres a day, with two 14 or 16-inch bottoms . . . cultivates 35 acres. The Farmall M plows 15 to 17 acres a day, with three 14 or 16-inch bottoms . . . cultivates 60 or 70 acres (4 rows). Gasoline or distillate engines. The Farmall MD is a full-diesel. The HV, MV and MDV give extra high crop clearance.



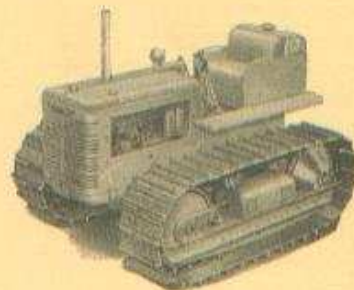
## STANDARD McCORMICK WHEEL-TYPE

For heavy drawbar and belt jobs, there are five McCormick, Standard wheel-type tractors. The W-4 (2 and 3-plow), W-6 (3 and 4-plow), and W-9 (4 and 5-plow) are supplied with either a combination distillate-gasoline or high-compression straight gasoline engine. The WD-6 and WD-9 are full-diesels. Write for booklet.



## INTERNATIONAL CRAWLER

These crawlers provide good traction on soft and loose ground . . . economical power for timesaving, wide-hitch implement combinations. Sizes available: T-6 and TD-6 (3 and 4-plow); T-9 and TD-9 (5-plow); TD-14A (8-plow); and TD-18A (12-plow). See your IH dealer for full information.







**1 IH TRAINED SERVICEMEN . . .** Your machines are serviced by trained, experienced servicemen who know your McCormick machines and their proper adjustment.



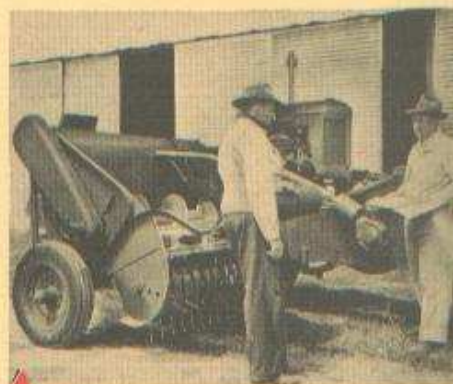
**2 IH APPROVED EQUIPMENT . . .** Your IH dealer has a large investment in special tools and precision testing equipment—to insure efficient, accurate service.



**3 IH 5-STAR QUALITY . . .** This "IH 5-Star Service" tag on your machine means it has been serviced to meet high International Harvester standards of precision.



**4 IH PRECISION PARTS . . .** Only IH-engineered parts assure lasting McCormick performance. Replacements are identical with originals in both specification and quality.



**5 IH SCHEDULED INSPECTION . . .** Your IH dealer will gladly give your machines a periodical inspection—help keep your maintenance costs at a minimum.

Any specifications in this catalog are subject to change without notice.

**INTERNATIONAL HARVESTER COMPANY**  
180 North Michigan Ave. Chicago 1, Illinois, U.S.A.



**5-STAR SERVICE**

**TO KEEP YOUR McCORMICK EQUIPMENT WORKING AT ITS BEST**

When you own McCormick farm machines, you gain an important advantage that helps keep them operating efficiently, all season long . . . every season. This advantage is readily-available IH 5-Star Service.

Wherever you farm, whatever you grow, your neighborhood International Harvester dealer stands ready—with complete facilities, tools, men and materials—to give you expert servicing with accuracy and efficiency.

The five points of his IH 5-Star Service program assure you that your McCormick equipment will always do its work—do it well—and do it on time!

See your International Harvester dealer for the latest, most efficient farm machinery. See him for prompt, dependable IH 5-Star Service.