

MODEL "SC"

WERTZ GARAGE
FARM EQUIPMENT
SALES AND SERVICE
UMSBORO, MD
PHONE HAMP. 3621

NEW CASE MODEL "SC" 2-3 PLOW TRACTOR



Gives You Greater

MORE POWER

You get a good 15 percent more power in the new Model "SC" Case Tractor. The engine is built bigger, yet runs at the same speed. It's still a heavy-duty performer built for long, profitable service. The compression is higher, for better economy as well as greater power—and you have choice of equipment for either gasoline or low-cost tractor fuel. It has Case lugging power that pulls harder when speed is reduced by sudden overload or when you throttle down for a short turn. It's the kind of power that does your work easier, faster and better.

MORE COMFORT

You get new riding comfort with the new Case "Comfort" seat on the new Model "SC." The torsional rubber spring has remarkable shock-absorbing ability. It "soaks up" jolts instantly, returns gently to normal position, levels out the "loping" over old crop rows. It adjusts both for weight of operator and for freedom of action. The cushion is of sponge rubber, with waterproof cover. Then there's the comfort of Case shock-free steering that takes the ache and the sting out of steering, lets you drive all day with an easy hand on the wheel.

MORE CONVENIENCE

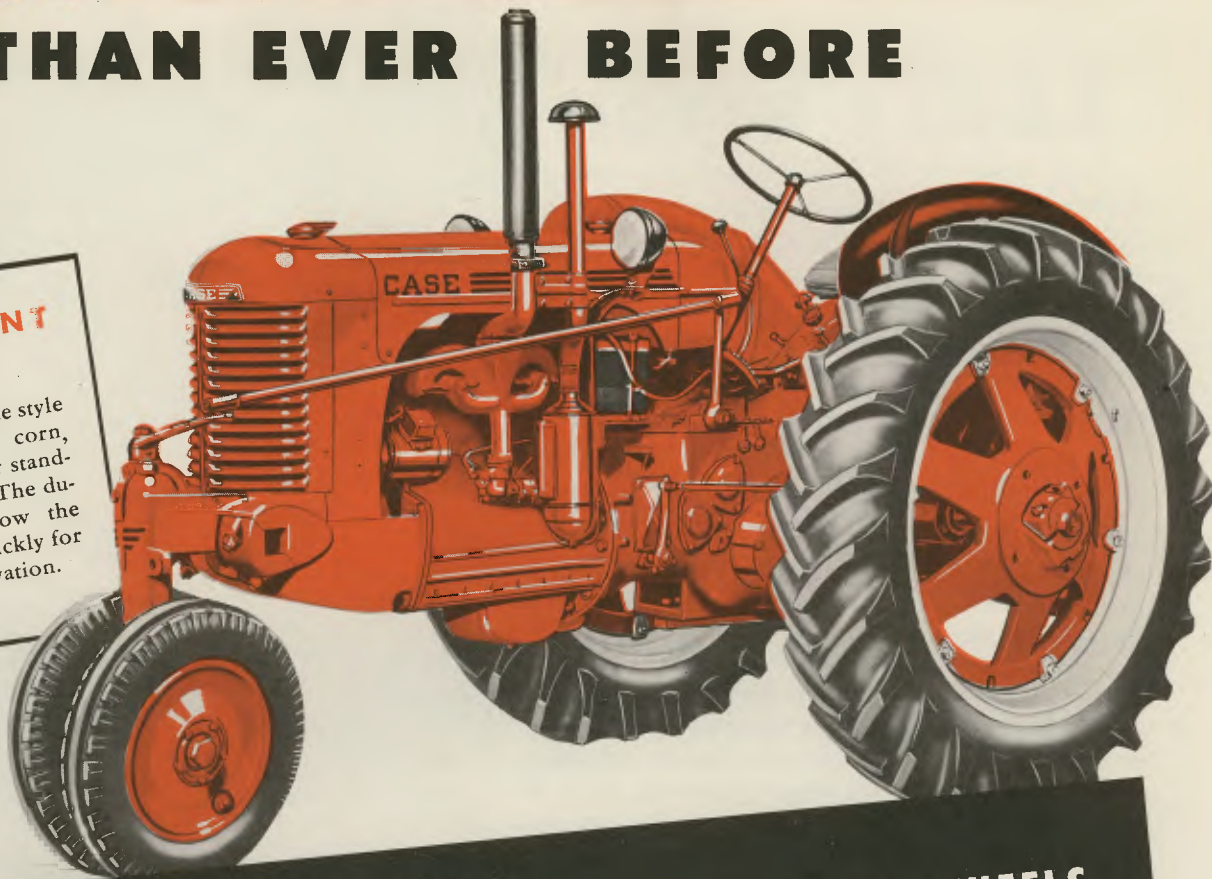
New foot-operated clutch leaves both hands free for steering, shifting, and using hydraulic control—and it's still the Case oil-cushioned clutch that picks up big loads smoothly, surely. Twin levers of dual valve hydraulic control give you one-hand operation of two hydraulic cylinders, together or separately. Break-Away couplings let you couple and uncouple hydraulic hose without tools, without loss of oil even under pressure. Constant power take-off lets you start, stop and shift gears, while keeping PTO machines up to proper operating speed.

Performance . . .

THAN EVER BEFORE

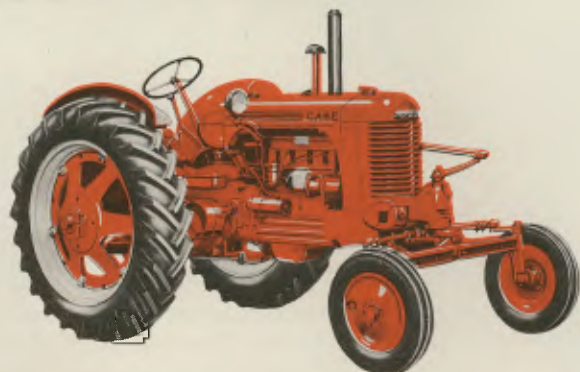
DUAL FRONT WHEELS

This is the favorite style for growers of corn, cotton and other standard row crops. The dual wheels follow the rows—steer quickly for fast, easy cultivation.



NEW "SC"

CHOICE OF FRONT WHEELS TO FIT YOUR FARM



ADJUSTABLE FRONT AXLE

Increasingly popular not only among vegetable growers but among general farmers, too. Four-wheel design gives added stability on side hills. Has plenty of clearance for front-mounted cultivators, standard or narrow-row.



SINGLE FRONT WHEEL

Fits the needs of truck growers and others who have narrow-row crops. Has the same quick-dodge, short-turning ability as the dual-wheel style. Rear wheel tread is adjustable to suit wide range of row spacings.

Makes Farm Work

EAGLE HITCH

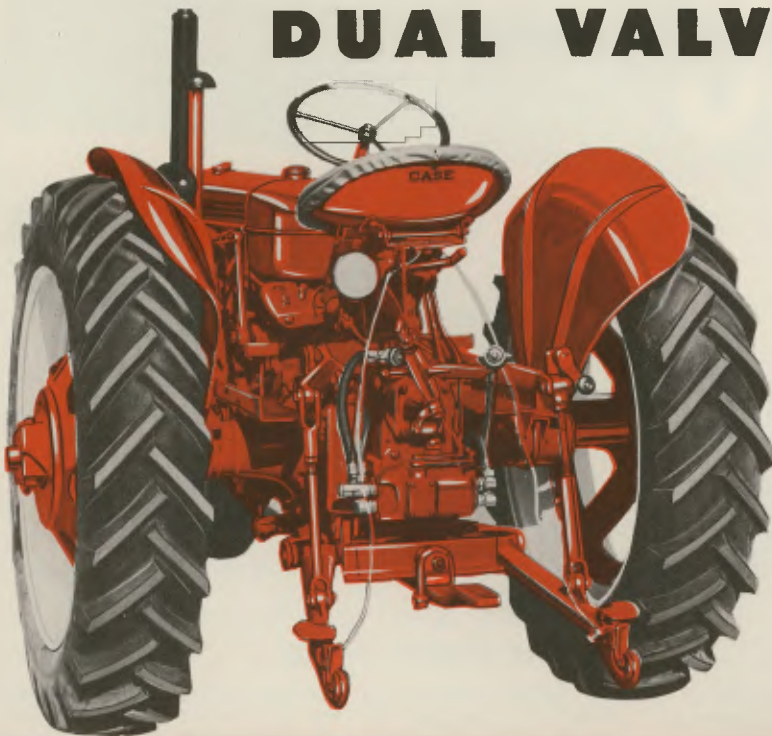


ONE-MINUTE HOOK-UP FROM DRIVER'S SEAT

No tools, no lifting! With many implements no need to get off the Comfort Seat when you change from one to another—plow to disk harrow, or tool bar to utility carrier. Hydraulic control brings self-closing claws of Eagle Hitch up to take hold of implement. You slip one pin into depth-control link . . . as the operator above is doing . . . and away you go.

Eagle Hitch works on the constant-depth principle. Moldboard plow working depth is set by the handy turnbuckle in depth-control link . . . and is held without frequent adjustment of hydraulic control. In fact, the hydraulic control is normally set in free-floating position, so it does not interfere with the self-regulating constant-depth action.

DUAL VALVE CONSTANT



In the new "SC" Tractor, the pump of the hydraulic system is driven from the same constant power shaft as the power take-off, though in operation they are completely independent. Thus hydraulic control is constantly available, moving or standing, whenever the engine is running.

Also, as standard equipment, the new Model "SC" has Dual Valve control of the hydraulic system, operated by twin levers. The driver can work two hydraulic cylinders at the same time, or separately. He can operate a portable cylinder in addition to the mounted cylinder that controls Eagle Hitch implements, or he can operate two portable cylinders. For example, he can use a front-end loader with hydraulic tilt of the fork or bucket as well as hydraulic lift, operating both controls as desired.

Easier, Faster

CONSTANT POWER TAKE-OFF



In the new Model "SC" the power take-off draws its power direct from the engine through a constant-running power shaft that turns whenever the engine is running. There is only a single pair of gears between the engine and power take-off—the gears that reduce engine speed to PTO speed. The power take-off has its own multiple-disk clutch, constantly bathed in circulating oil. There is no connection whatever with traction clutch or transmission gears.



You can bring your PTO machine . . . mower, corn picker, combine, or forage harvester . . . up to working speed before you move into the crop. No matter how often you stop, start, or shift gears, the PTO machine gets an unbroken flow of power until you release the PTO clutch.

Constant power take-off makes operation as simple and easy as with tillage implements. It reduces risk of clogging and prevents waste of crops due to slow-downs. With 15 percent more power from the new "SC" engine, PTO jobs go faster.

HYDRAULIC CONTROL



Dual Valve hydraulic control used with Case Heavy Duty Cultivator. The driver can raise front gangs first, followed by rear gangs when they reach the same point. He can raise or lower either set of gangs at any time, or raise one while the other is being lowered.



Dual Valve control operates trailing implements without shifting hose connections from mounted cylinder. The rubber-tired wheels of this Case "S" Series disk harrow provide for quick transport over hard roads, also may be used as gauge wheels for accurate control of penetration with blades set for full throw.

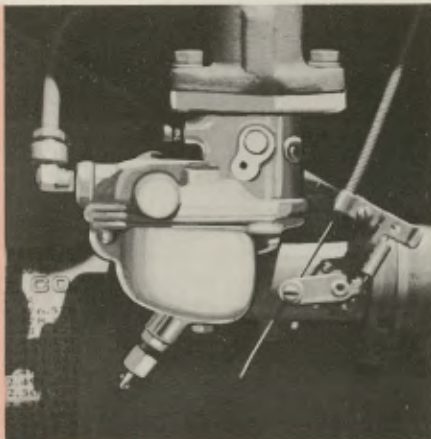
15%

MORE P Pulls 3 Plows Under

Here is the heart of the new "SC" Tractor—the source of its greater cylinder bore, greater piston displacement, and higher compression both help to get better economy as well as greater power. The new Model "SC" pulls a 3-bottom plow in most ordinary fields. When smaller implements are used, there is power to do better, faster.

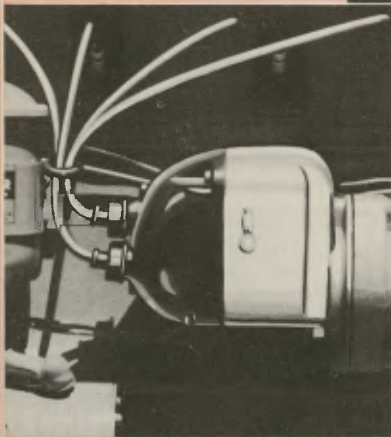
FUEL-MISER CARBURETION For Gasoline or Low-Cost Fuels

A new, improved carburetor continues the fuel-miser principle—a power mixture when full power is needed, changing automatically to economy mixture at all other times. Simple main adjustment is easily set to suit the fuel being used. Choice of tank and manifold equipment for straight gasoline or for both gasoline and low-cost tractor fuels.



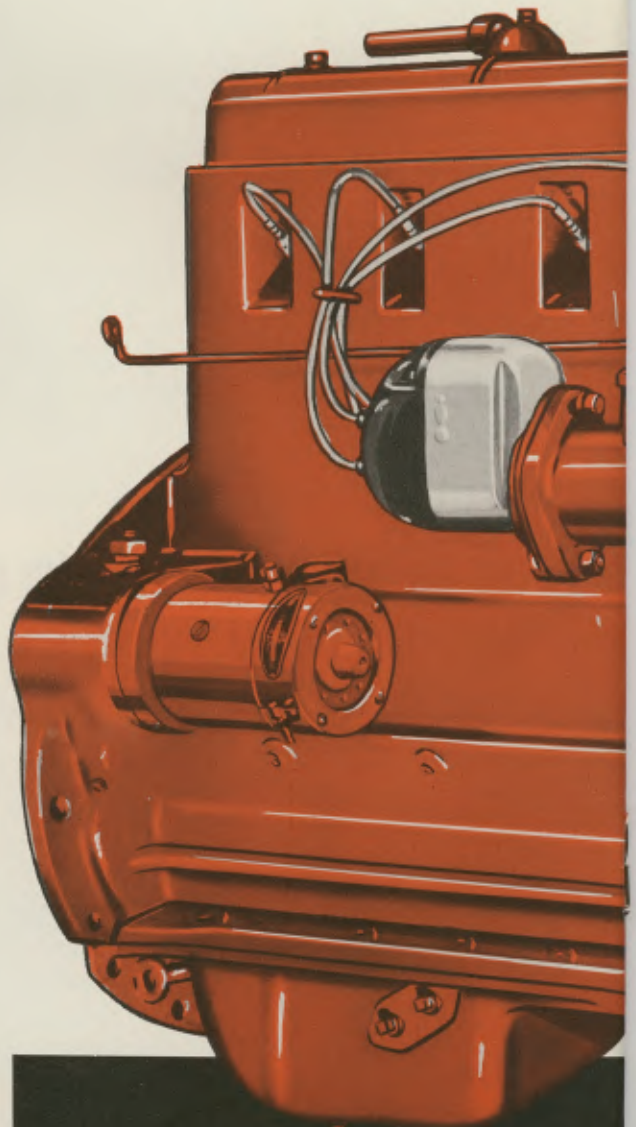
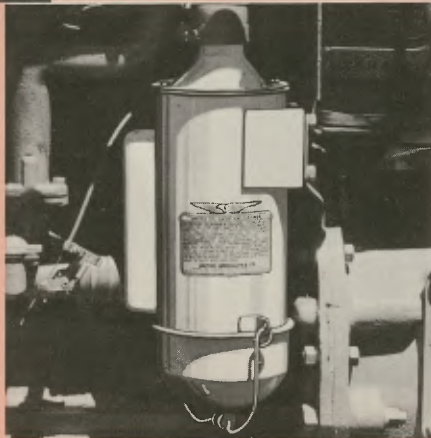
SEALED MAGNETO Gives Long, Hot Spark

Case-built magneto provides spark of intense heat and long duration to assure prompt starting and positive ignition at all loads and speeds. Sealed construction—possible because no ventilation is needed—keeps out all dust and moisture, prevents electrical leakage, prolongs life of all working parts. Automatic impulse coupling provides full-strength spark for sure-fire starting at any crank speed.



OIL-BATH AIR CLEANER Traps Dirt and Dust

Air entering the engine through the carburetor is first passed through a non-restrictive air cleaner of oil-bath type. Dust is caught in a maze of fine strands kept wet with a spray of oil from the cup below. High air intake avoids most of the dust; tight connections keep dust from leaking in. Cleaner is easy to refill.

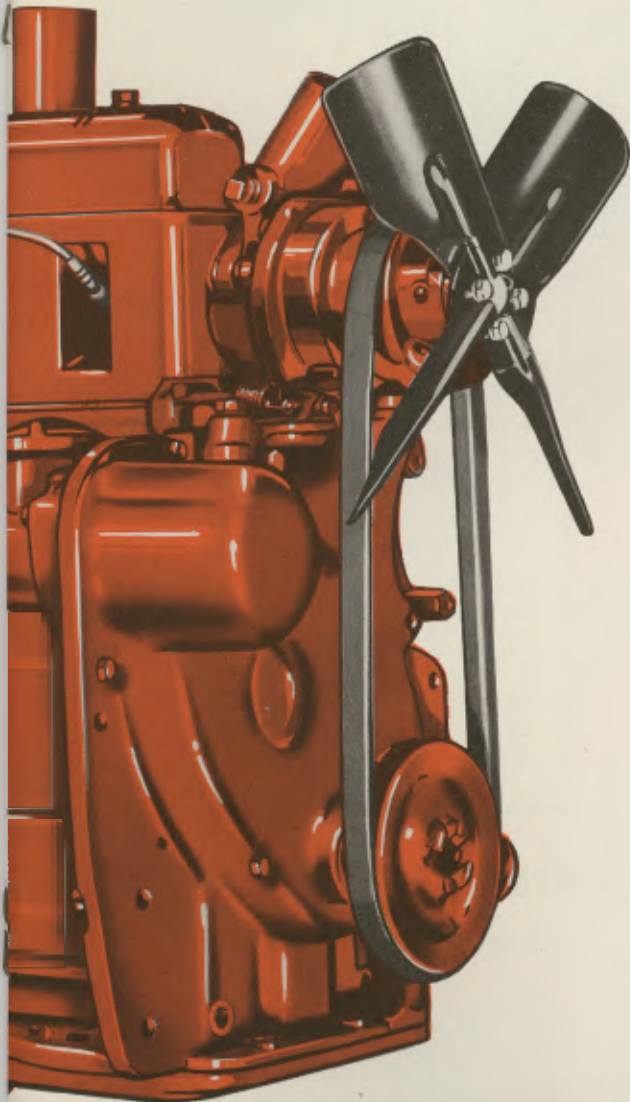


NEW "S"

POWER

Many Conditions

ts new, surging power. It's an engine with bigger
pression ratio. A new carburetor and the higher
eater power. With 15 percent more power the
soils, other implements in proportion. When
ster work—often in a higher gear.



FOR EXTRA YEARS OF LOW-COST SERVICE

● HEAVY-DUTY DESIGN

For all its sparkling power, the new Model "SC" has a heavy-duty engine that stands up for long periods under heavy loads. Its lugging power pulls still stronger when slowed down by sudden overload or throttled for a short turn.

● REPLACEABLE WET SLEEVES

Cylinder sleeves in direct contact with circulating water assure effective cooling, free from hot and cold spots. Lubrication is more uniform, wear very slight. When finally needed, new sleeves, easily installed, renew the cylinders with original factory accuracy.

● PRECISION-TYPE BEARINGS

Main and connecting rod bearings have steel shell for strength, babbitt lining for low friction and shaft protection. Made so accurately that no fitting is needed in case of replacement. Installation is possible in the field, easy in the shop.

● FULL PRESSURE LUBRICATION

Gear-type pump circulates oil positively—not only to crank and cam shaft bearings, but to all clutch parts, governor, rocker arms and push rods. No outside oil lines—"tunnel-type" passages go through solid metal inside engine, guard against oil loss.

● FLOATING OIL-SCREEN

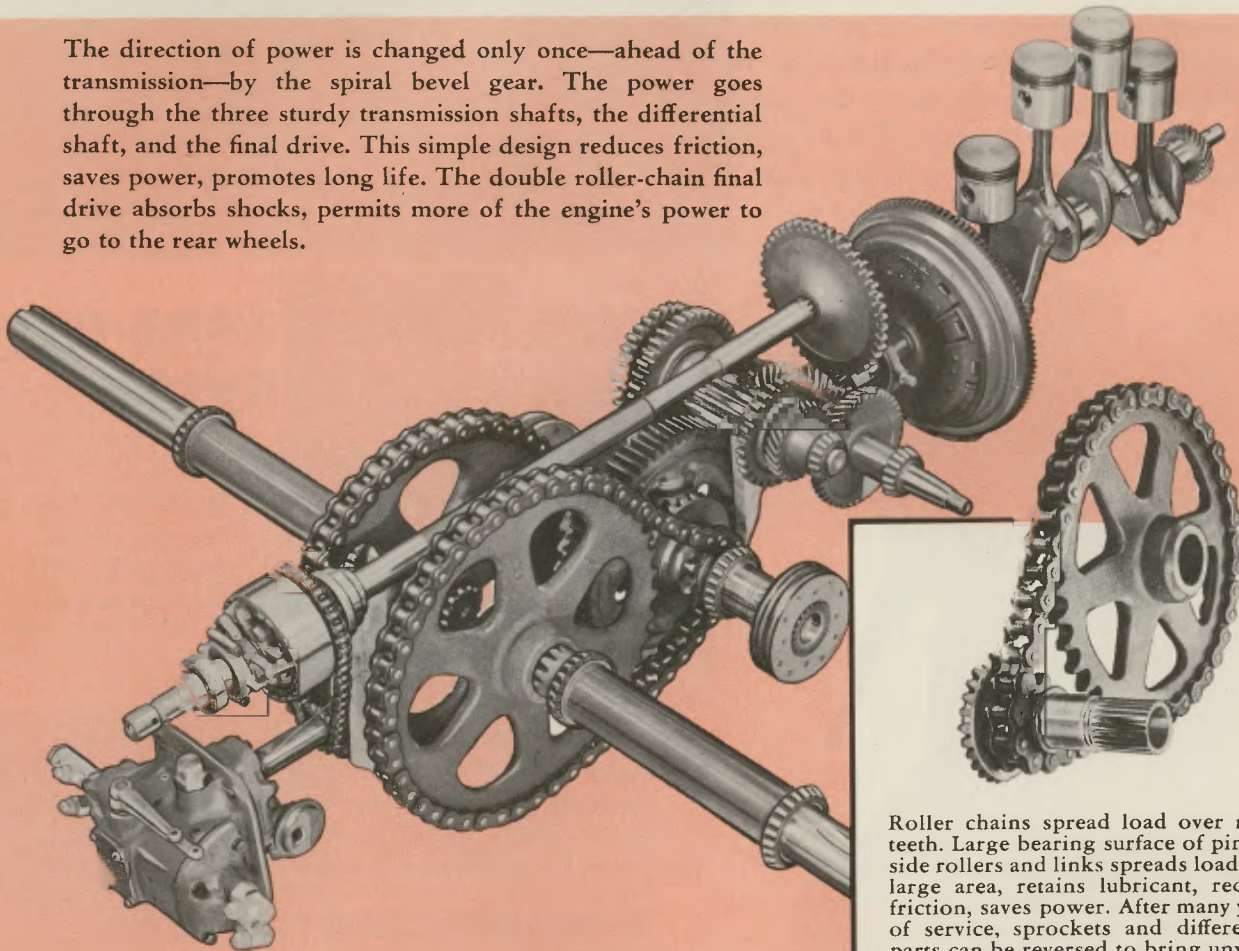
Takes oil from top of supply in engine pan, follows down as level lowers. Furnishes warm oil quicker, cleaner oil always. Guards against clogging by ice or sludge under extreme conditions. Oil filter is available as optional equipment.

ENGINE

Advantages That

POWER-SAVING TRANSMISSION

The direction of power is changed only once—ahead of the transmission—by the spiral bevel gear. The power goes through the three sturdy transmission shafts, the differential shaft, and the final drive. This simple design reduces friction, saves power, promotes long life. The double roller-chain final drive absorbs shocks, permits more of the engine's power to go to the rear wheels.



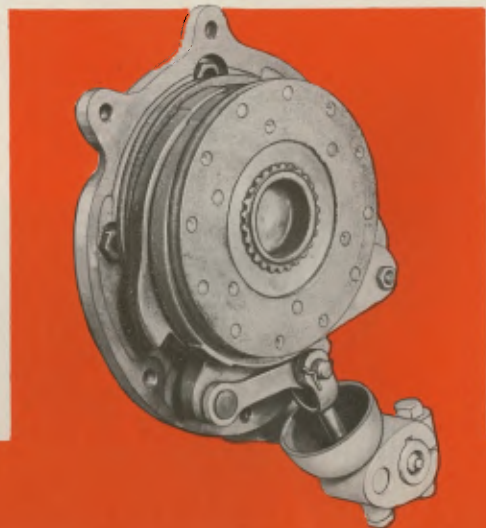
Roller chains spread load over many teeth. Large bearing surface of pins inside rollers and links spreads load over large area, retains lubricant, reduces friction, saves power. After many years of service, sprockets and differential parts can be reversed to bring unworn surfaces into use, get renewed life.

SELF-ENERGIZING DOUBLE-DISK BRAKES

Tractor motion multiplies effect of foot pressure, puts a giant squeeze on the eight braking surfaces—if needed—with slight effort. These brakes hold equally whether moving forward or backward. Each brake has its own pedal—both under the right foot—to assist steering for making very short turns. Pedals lock together for safe operation on the highway, lock down for parking.

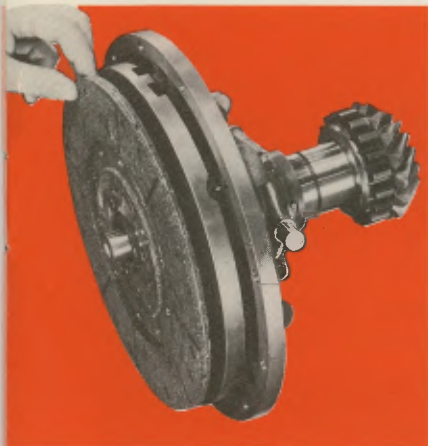
EASY ADJUSTMENT

Brakes are on differential shafts, sealed against oil and fully enclosed to keep out dust and moisture. Adjustment, seldom needed, is extremely easy—just a turn of the self-locking nut shown at bottom, below rubber cap.



Benefit You

FOOT-OPERATED OIL-CUSHIONED CLUTCH



Oil from pressure system of engine enters drilled passage in clutch shaft, lubricates all clutch parts. Oil mist goes between clutch plates when released, cushions them when they engage, greatly reduces wear. Velvet-smooth engagement picks up loads without shock, reduces wear and tear on tractor and implements. Entire clutch is sealed oil-tight and dust-tight.

Foot operation leaves both hands free for steering, shifting, and using hydraulic control. Makes it easy to "hook up sitting down" to Eagle Hitch implements. Although seldom necessary, foot clutch can be easily adjusted from the outside.



SHOCK-FREE STEERING

You don't have to hang onto the wheel of a Case tractor. Case irreversible worm-and-gear steering blocks shocks before they get to the steering wheel. You drive on rough plowed ground, in frozen fields, and across furrows without the wheel "fighting back" at you. The steering gear is inside the transmission housing and works in warm oil.

QUICK-DODGE

From the straight-ahead position, steering is fast. A slight turn of the steering wheel gives quick-dodge response for missing plants and getting weeds in row-crop cultivation.

HIGH LEVERAGE

As the steering wheel turns farther, the front wheels respond more slowly, giving greater leverage and easier operation. This is "variable ratio," a distinctive feature of Case steering.

MAXIMUM LEVERAGE

For extremely short turns at slow speed, the leverage becomes still greater, making steering easy when turning short on rough ground.

QUICK DODGE

1/2 TURN

1 TURN

1 1/2 TURNS

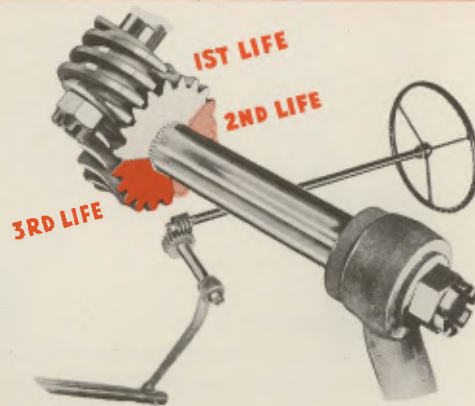
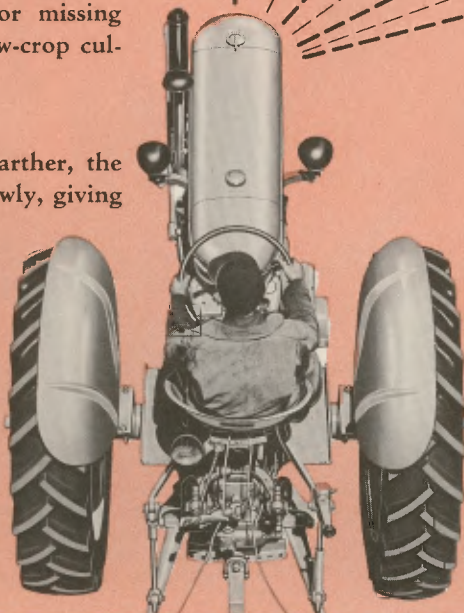
2 TURNS

2 1/2 TURNS

3 TURNS

HIGH LEVERAGE

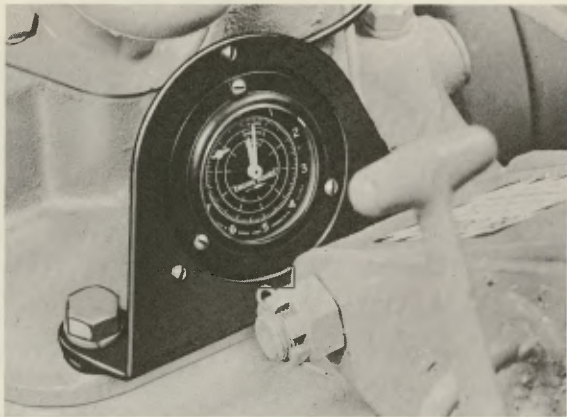
MAXIMUM LEVERAGE



TRIPLE-LIFE WORM GEAR

Steering action uses only about one-third of the worm wheel. Merely removing the steering arm permits turning the worm wheel to bring new teeth into use.

FEATURES That



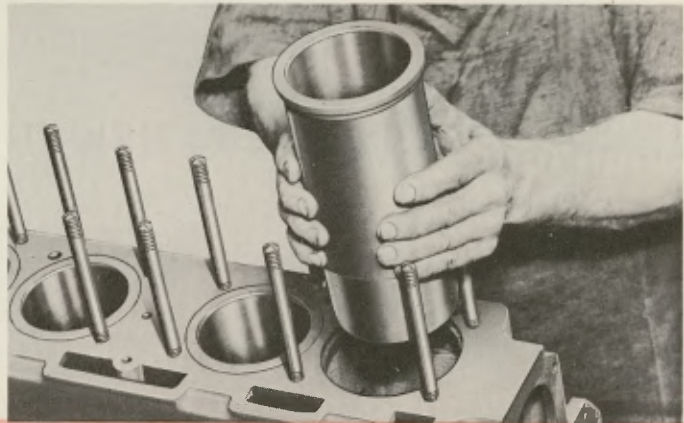
HOUR METER AIDS UPKEEP

This self-starting timer (extra equipment) works with battery current, runs when the engine runs. Three scales measure time from one to 10,000 hours. Small indicator makes one turn per minute. Helps you keep records of time on the job, reminds you about lubrication, oil changes, etc.

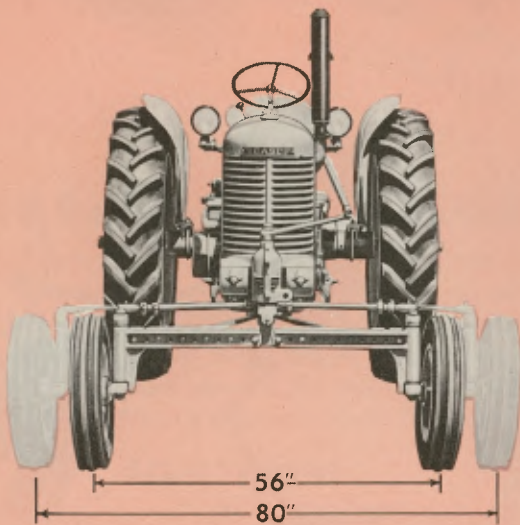
MORE PRODUCTIVE TIME IN THE FIELD

Eagle Hitch one-minute hook-up . . . Dual Valve hydraulic control . . . Constant Power Take-Off—they all save you "get-ready" time, help you keep the wheels turning in the field. You have more time for livestock—and for fun.

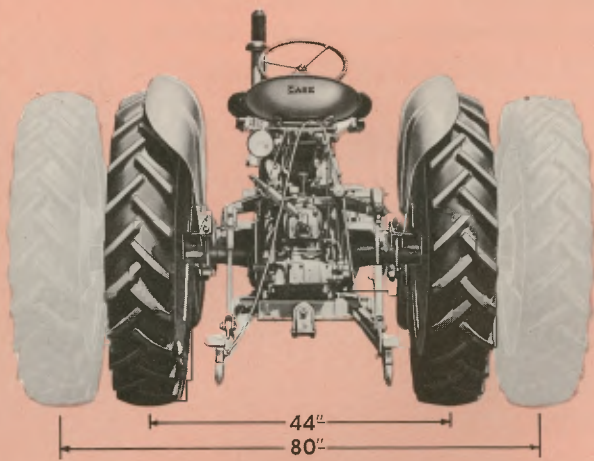
Just like a new engine. Your Case dealer can renew the vital parts of your tractor with original factory accuracy after long years of use. Replacement cylinder sleeves, pistons and rings, are identical with those built into new tractors. Precision bearings, too, slip into place without tedious fitting. You can enjoy new tractor performance after many years of profitable use.



WHEELS EASILY SET TO FIT ANY ROW CROP



The new "SC" Tractor with adjustable front axle can be adapted to cultivation of all manner of row crops from closely-spaced vegetables to wide-row crops. Also available on special order is a shorter front axle adjustable for 48 to 78-inch tread.



With dual or single front wheel as well as adjustable front axle, the rear tread can be set at any width in the range shown above. With extra long rear axles, available on special order, the rear tread can be extended to 94 inches to fit unusual requirements.

"Help" You



CASE "COMFORT" SEAT

Torsional rubber suspension, instead of steel springs, acts as shock absorber as well as spring support. Front knob adjusts for weight of driver; side knob regulates softness of riding. Thick foam rubber cushion has waterproof cover. Seat tilts up for driver to stand.



TWO-WAY LIGHT

In the field it's a flood light for rear implement or machine at work. Flip a switch and it becomes a brilliant red tail light to assure your safety in road travel.



INVERTIBLE ROLLER-TYPE SWINGING DRAWBAR

In upper or normal position, height is standard for PTO machines. Easily removed and turned over, it lowers the line of draft about 3 inches, better for some implements. Roller carries down-pull on drawbar without binding, assures free swinging action that aids steering, makes short turns easy with full load.



BREAK-AWAY COUPLINGS

NO WRENCHES NEEDED TO COUPLE OR UNCOUPLE EVEN UNDER PRESSURE

Push the couplings together and they lock in place, ready to operate. Pull them apart—by hand or by accident, even under pressure—and they instantly seal themselves against loss of oil. Protective caps are provided to exclude dust from couplings when disconnected.



ADAPTERS FOR STANDARD THREAD HOSE

By use of simple adapters, available through your Case dealer, you can hook up Case Break-Away Couplings to any hose or special equipment having standard pipe threads, external or internal, size $\frac{1}{4}$, $\frac{1}{2}$ or $\frac{3}{4}$ -inch, thereby getting greater utility from your tractor.

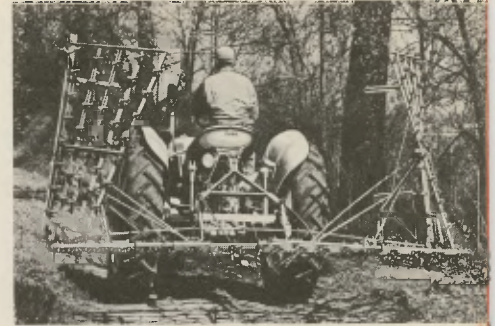


Fits So Many Farm Needs



Utility carrier hooks up in a minute to Eagle Hitch. It lowers to load at ground level, lifts by hydraulic control, hauls milk cans, bales, bags, rolls of fence wire and similar loads.

Until you try the new Model "SC" you'll never know how handy a big-capacity tractor can be. With Eagle Hitch you can use big implements that "eat up" the acres, yet back into a tiny garden, if you like. Because you keep the drawbar in place, you can change any time to trailing implement, wagon, or PTO machine. You can use either front-mounted or rear-mounted cultivators, standard or narrow-row. Besides doing all kinds of field work an "SC" equipped with a utility carrier can handle all kinds of lifting-carrying jobs.



Eagle Hitch Harrows, built in spike-tooth, spring-tooth, and both tandem and offset disk types, lift clear at a touch of hydraulic control for fast, convenient transport.

SPECIFICATIONS

POWER	2-3 Plow
SPEEDS (will vary with size of rear tire)	10-38
1st	2.51
2nd	3.56
3rd	4.91
4th	10.00
Reverse	2.82
BELT PULLEY (located on right side)	Rigid
Size	9 1/4" dia.—6 3/8" face
Speed, under load (RPM and belt)	1078 RPM—2600 ft./min.
POWER TAKE-OFF (extra equipment)	
Continuous running; centrally located.	
Speed, at full load	541 RPM
EAGLE HITCH	Yes
DRAWBAR—Wide-swinging; pivots well ahead of rear axle.	
Height above ground	13 1/2" or 17"
Lateral swing at pin	20"
HYDRAULIC SYSTEM—Continuous-running; spur gear type pump.	
Type of system—Two-way, dual valve (one-way floating for Eagle Hitch)	
Mounted cylinder	3 1/4" dia.—6" stroke
Portable cylinder	3 1/4" dia.—8" stroke
ENGINE—4-cylinder, vertical, valve-in-head, removable cylinder	

sleeves, bore 3 5/8", stroke 4", 1550 RPM. 3-bearing crankshaft. High-tension magneto with impulse for easy starting.	
FUEL SYSTEM—Gasoline or low-cost fuel.	
Capacity, gasoline	14 U. S. gals.—11.7 Imp. gals.
COOLING SYSTEM—Flat tube-and-fin type radiator, large fan, efficient V-belt drive and impeller-type pump.	
Capacity	4 U. S. gals.—3.34 Imp. gals.
LUBRICATION—Tunnel-type full pressure by gear-type oil pump to all main, connecting rod, and camshaft bearings, rocker arms, governor and clutch parts. All other parts spray or flood lubricated.	
CLUTCH, traction—Oil-cushioned disk type, foot operated.	
CLUTCH, P.T.O.—Oil-bath, over-center, multiple-disk.	

GENERAL DIMENSIONS

Height to top of hood, inches	56 1/2"
Width (over-all), inches	76 5/8"
Length (over-all), inches	136 1/4"
Wheel base, inches	83 1/4"
Rear wheel tread, inches	44-80
Rear wheel tire size	10-38
Front wheel tire size	5.50-16
Turning radius, outside wheel	
Right	9'8"
Left	8'5"
Clearance under rear axle, inches	23 3/8"

STANDARD EQUIPMENT

Starter and lights—2 headlights and combination rear floodlight and red tail light. Dual valve hydraulic control and Eagle Hitch system. Gasoline manifold. 4-speed transmission. Differential foot brakes. Foot-operated clutch. Foot and hand-throttle control. Belt pulley. Muffler. Heat indicator. Thermostat. Oil-pressure gauge. Oil filter. Cushioned push-back seat. Rear wheels adjustable from 44 to 80 inches. Rear wheel fenders.

SPECIAL EQUIPMENT

Adjustable front axle (56-80 inches). Adjustable short front axle (48-78 inches). Long rear axle, 96-inch tread. Spark-arresting muffler. Low-cost fuel equipment with shutter (factory installation). Engine hour meter. Power take-off attachment. Radiator shutter attachment. Radiator screen. Two outside wheel weights for rear wheels with rubber tires. Front wheel weights. Single front wheel attachment for 7.50-10 tire.

The J. I. Case Company reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

J. I. CASE CO.

RACINE, WIS., U.S.A.

Serving Agriculture Since 1842

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