

THE MODEL **B** IS *thrifty* POWER FOR . . .

- **ONLY POWER ON MEDIUM ACREAGE**
- **EXTRA TRACTOR ON LARGE ACREAGE**
- **SPECIAL POWER FOR FRUIT, VEGETABLE, POULTRY AND SPECIALTY FARMS**



- **MODERN ENGINE DESIGN**

22.87 belt horsepower • 20.60 drawbar horsepower

Power is matched to 2060 pounds overall weight . . . properly distributed to give *maximum pull per pound of tractor!*

- **PRACTICAL WORKING SPEEDS**

Matched to the power and jobs a B will do . . . *get more work done in a day!*

- **3-WAY POWER PACKAGE**

Increases B usefulness at unusually low cost!

- **BELT PULLEY . . .**

- **POWER TAKE OFF . . .**

- **HYDRAULIC PUMP**

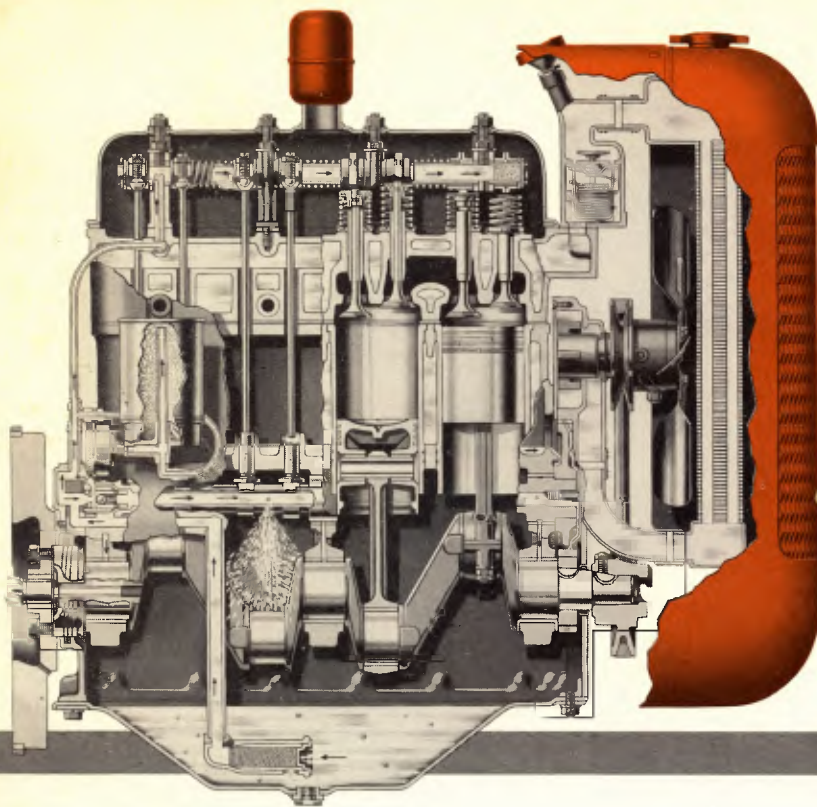
Mount as a single unit for simplicity and economy.

- ★ Do every farm job easier with hydraulic control!
- ★ Have handy belt power ready when needed!
- ★ Use power take-off for spraying, raking, baling, harvesting and spreading!

- **TWO POPULAR STYLES**

Standard front axle . . . adjustable front axle.

- **A COMPLETE LINE OF MATCHED, MOUNTED IMPLEMENTS FOR ALL FIELD WORK.**

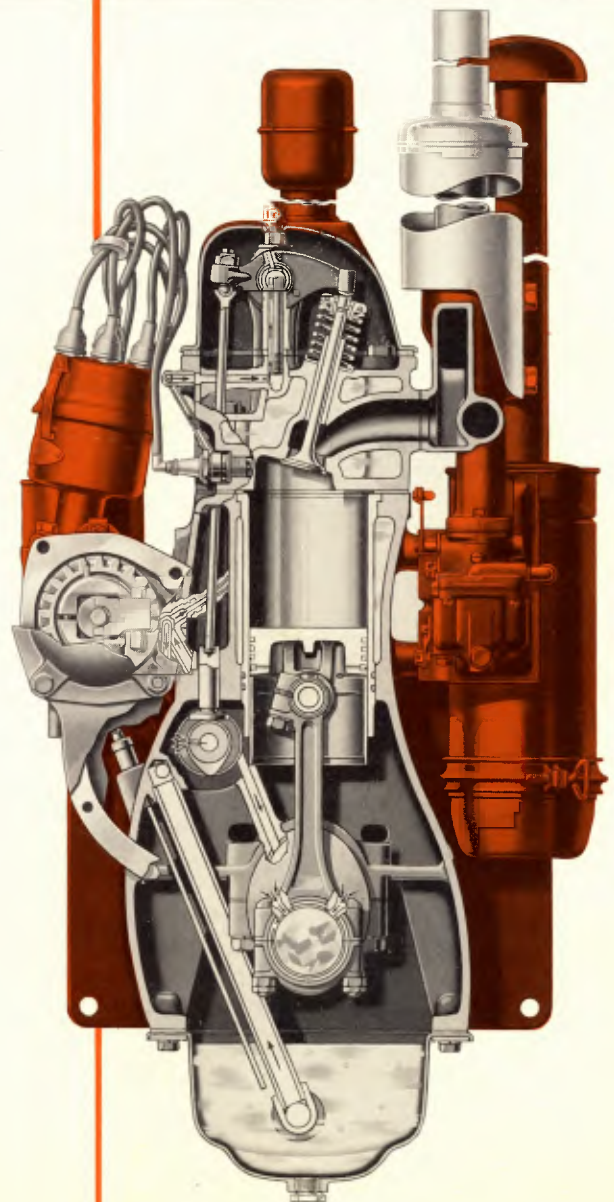


BIG

**DEPENDABLE
MODERN
ENGINE...**

BUILT FOR LONG LIFE!

- **"WET" REMOVABLE CYLINDER LINERS** assure positive, uniform cooling of cylinder walls.
- **LOW RATE OF PISTON TRAVEL**, only 875 feet per minute!
- **CAM-GROUND PISTONS** minimize friction and wear in cylinders.
- **EXHAUST VALVE ROTATORS** assure balanced heat distribution . . . keep stems and seats uniformly clean . . . increase valve life.
- **PRESSURE LUBRICATION** to crankshaft main bearings, camshaft bearings, rocker arms and governor assembly . . . Allis-Chalmers own oil filter traps dirt as oil circulates.
- **CONTROLLED COOLING** with pressure radiator, thermostat and water pump assures quick warm-up . . . efficient operating temperature.
- **BALANCED CARBURETION** with efficient air and fuel filtering results in maximum power output on minimum of fuel!
- **TRIGGER-QUICK GOVERNOR ACTION** anticipates the load . . . assures instant power response through drawbar, belt or power take-off . . . not too little . . . not too much!
- **QUIET OPERATION** with tall muffler for operator's comfort!



MODEL **B** *streamlined* POWERLINE

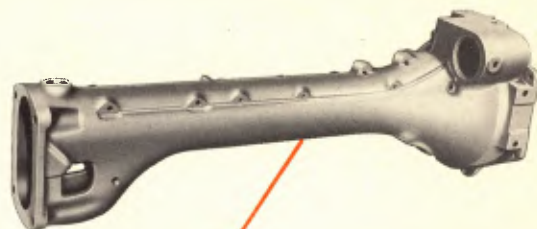
● **ENGINE POWER** is efficiently transmitted to transmission through a power shaft, housed in a slender one-piece torque tube — serves as frame for tractor . . . offers clear vision for one, two or four-row planting or cultivating.

● **TRANSMISSION AND DIFFERENTIAL** operate as an integral unit in a one-piece housing . . . shafts and gears are held in precise alignment.

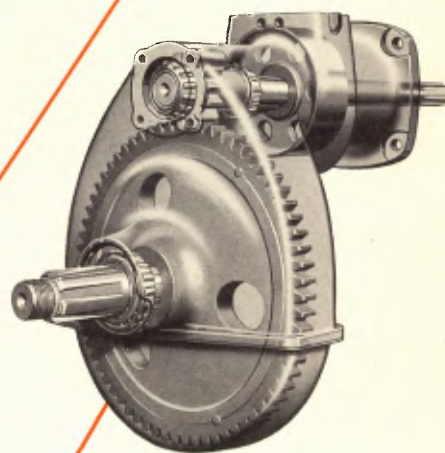
● **ALL GEAR SURFACES** carburized for wear resistance.

● **FINAL DRIVE GEAR SPEED** reduction eliminates "detours" through unnecessary gears and heavy shafts . . . Straddle-mounting of pinion and final drive gear holds gears in precise alignment.

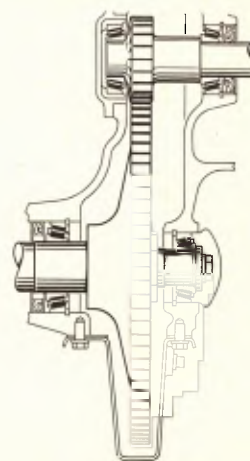
● **SINGLE-PIECE FINAL DRIVE HOUSING** carries all of the rear-end tractor weight . . . avoids strain on gears, shafts and bearings.



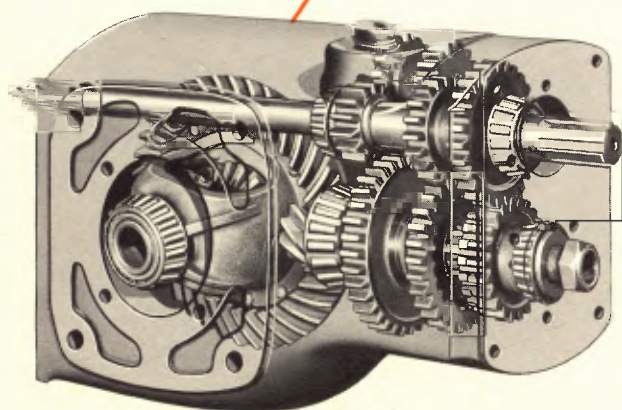
SLENDER, STURDY TORQUE TUBE



**FINAL DRIVE
STRADDLE-MOUNTED GEARS**



COMPACT TRANSMISSION / DIFFERENTIAL



PRACTICAL WORKING SPEEDS . . .

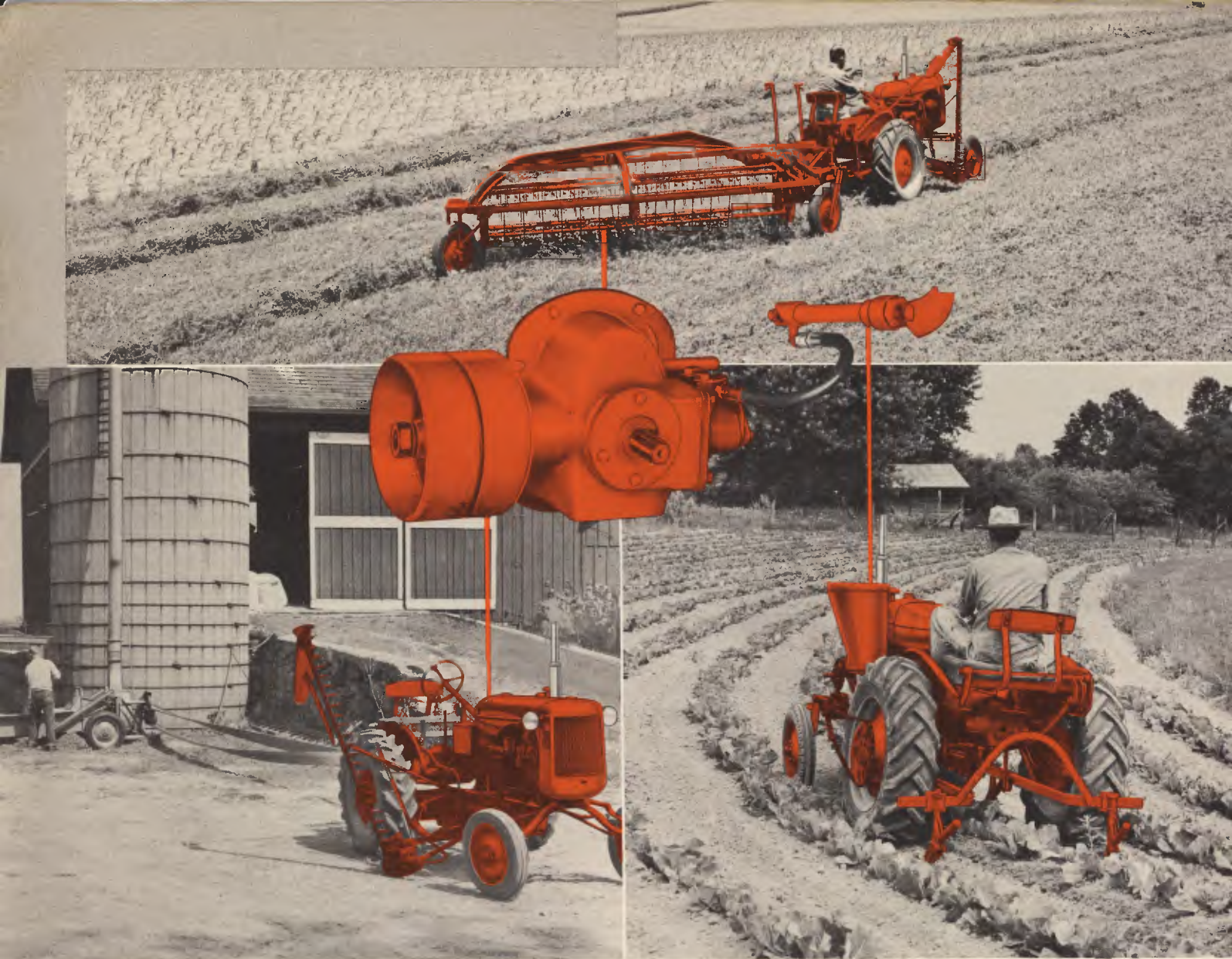
matched to both power and weight for all-job efficiency . . . all-around economy

1st — 2¼ mph . . . for power take-off and heavy tillage jobs.

2nd — 4¼ mph . . . for faster plowing, discing, bedding, planting, listing, mowing and cultivating.

3rd — 8½ mph . . . for fast, safe hauling or transport on farm roads and public highways.

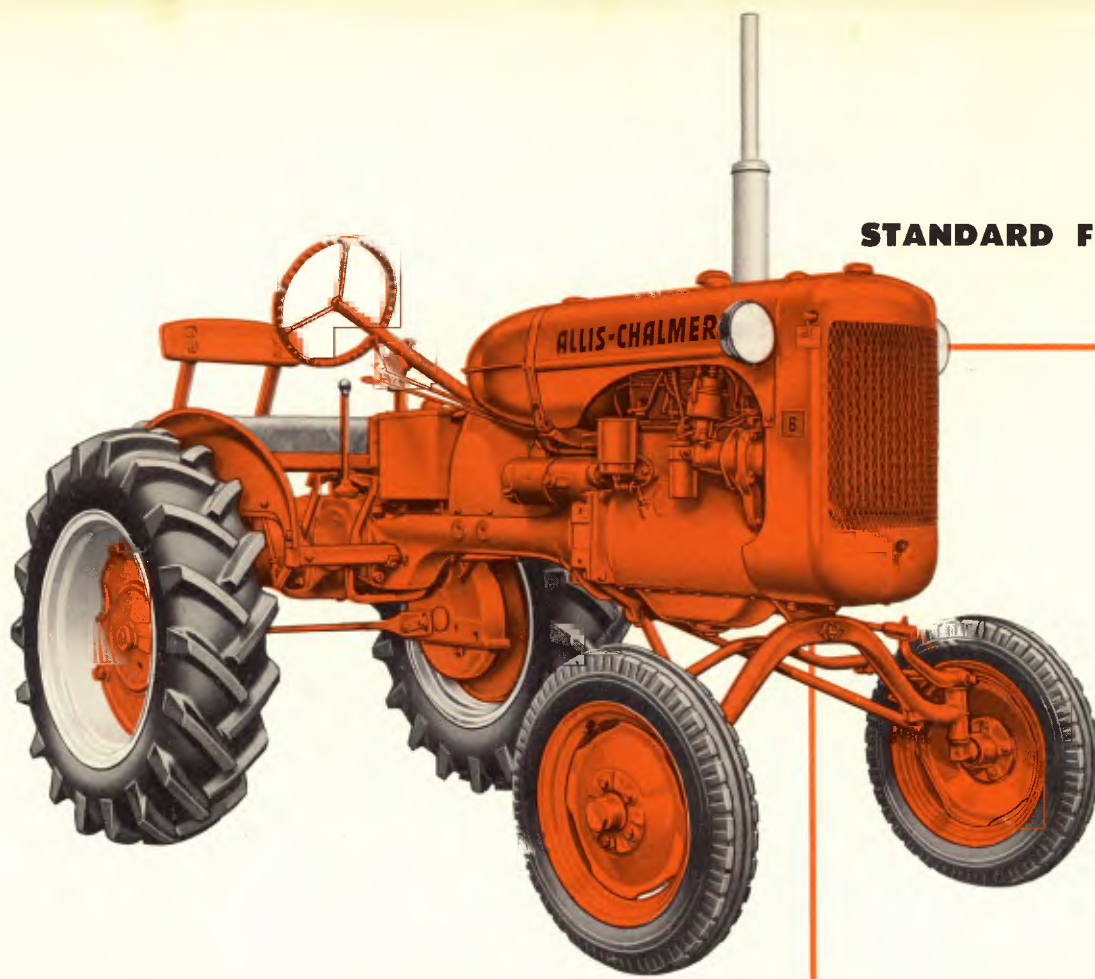
Reverse—3 mph . . . for quick, easy backing or maneuvering in close quarters.



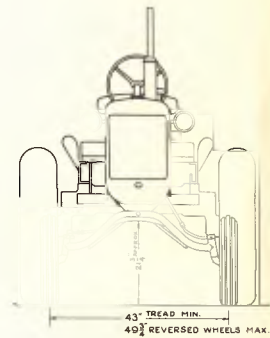
LOW COST 3-WAY "POWER PACKAGE" . . .

*increases **B** usefulness and versatility*

- ★ Power take-off and belt pulley mount as a unit.
- ★ Hydraulic pump assembly attaches to power take-off housing.
- ★ Hydraulic pump permits safe, easy implement operation . . . lifts and lowers implements, quickly or slowly as desired . . . regulates working depth of some mounted implements . . . holds implement at desired position!
- ★ Single lift-shaft for all mounted implements.

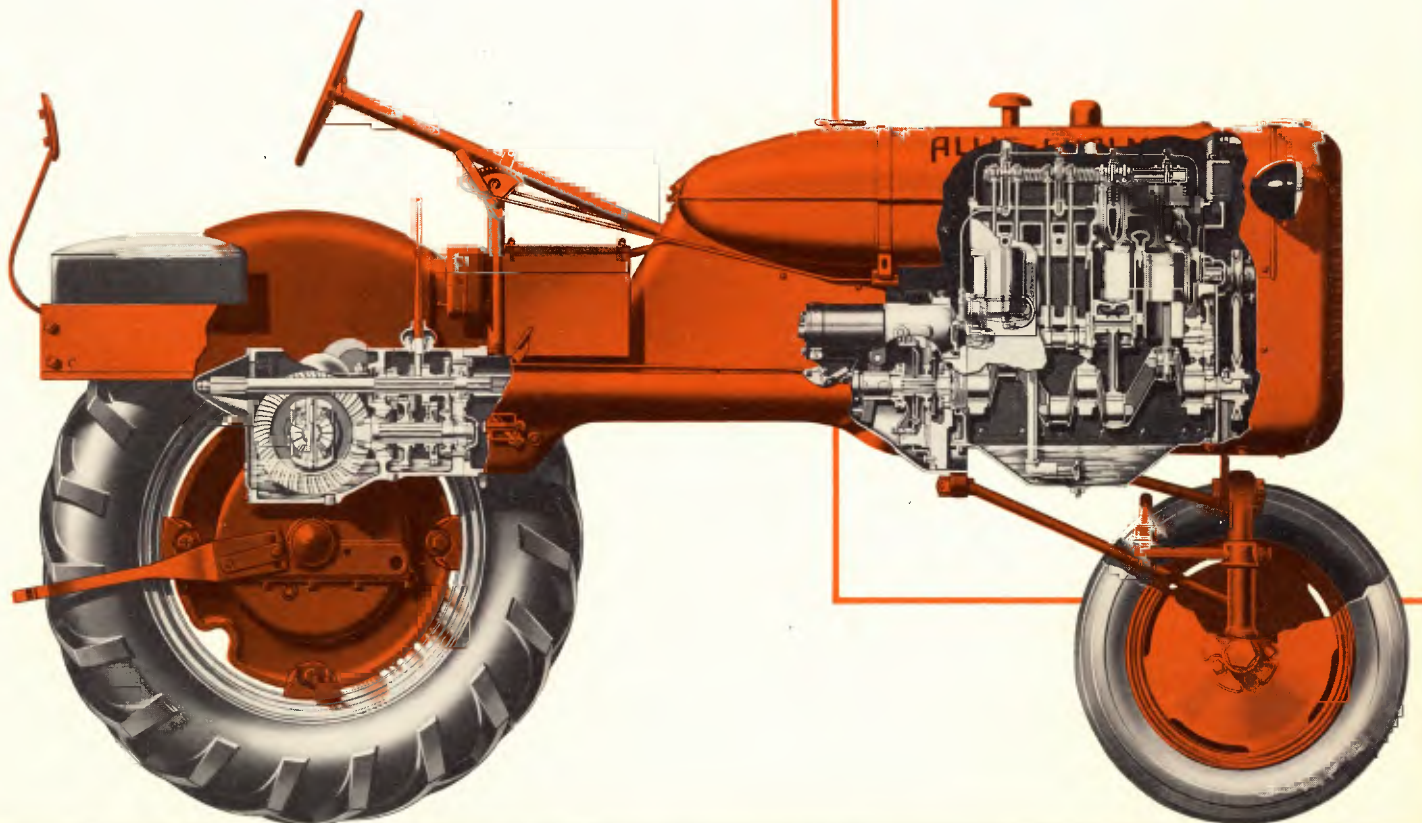


STANDARD FRONT AXLE



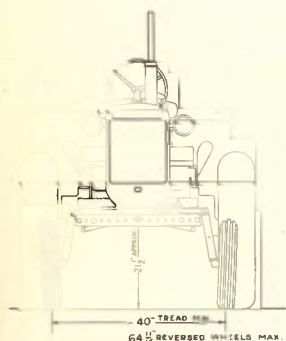
43" TREAD MIN.
40" REVERSED WHEELS MAX.

CHOICE OF TWO POPULAR



MC

ADJUSTABLE FRONT AXLE



REAR FRONT AXLE STYLES

MODEL **B** SPECIFICATIONS

POWER

20.60 drawbar horsepower
22.87 belt horsepower

ENGINE

Valve-in-head, replaceable "wet" cylinder liners; valve guides; exhaust valve rotators; $3\frac{3}{8}$ " bore; $3\frac{1}{2}$ " stroke; 125 cubic-inch piston displacement; 1500 rpm.

SPEEDS

First, $2\frac{3}{4}$ mph; second, $4\frac{1}{4}$ mph; third $8\frac{1}{2}$ mph; and reverse, 3 mph — all based on governed engine speed of 1500 rpm.

CONTROLLED COOLING

Pressure-type radiator, water, thermostat; radiator shutter, temperature gauge.

BRAKES

Individual differential type, foot-operated; turning radius with brake applied, $7\frac{3}{4}$ feet.

FRONT WHEELS

Tire size, 4:00-15, partially filled with calcium chloride solution, drop center rims.

REAR WHEELS

Tire size, 9-24, partially filled with calcium chloride solution, wide-base demountable rims.

WHEEL TREADS

Standard front axle style, $40\frac{1}{2}$ " to $52\frac{1}{2}$ "; adjustable front axle styles, 40" to 68".

OVERALL DIMENSIONS

Wheelbase, $73\text{--}13\frac{13}{32}$ "; length $110\frac{1}{4}$ "; minimum width $52\text{--}11\frac{11}{16}$ "; maximum width, 62"; height, $76\frac{3}{4}$ "; crop clearance, $21\frac{3}{4}$ " over rows.

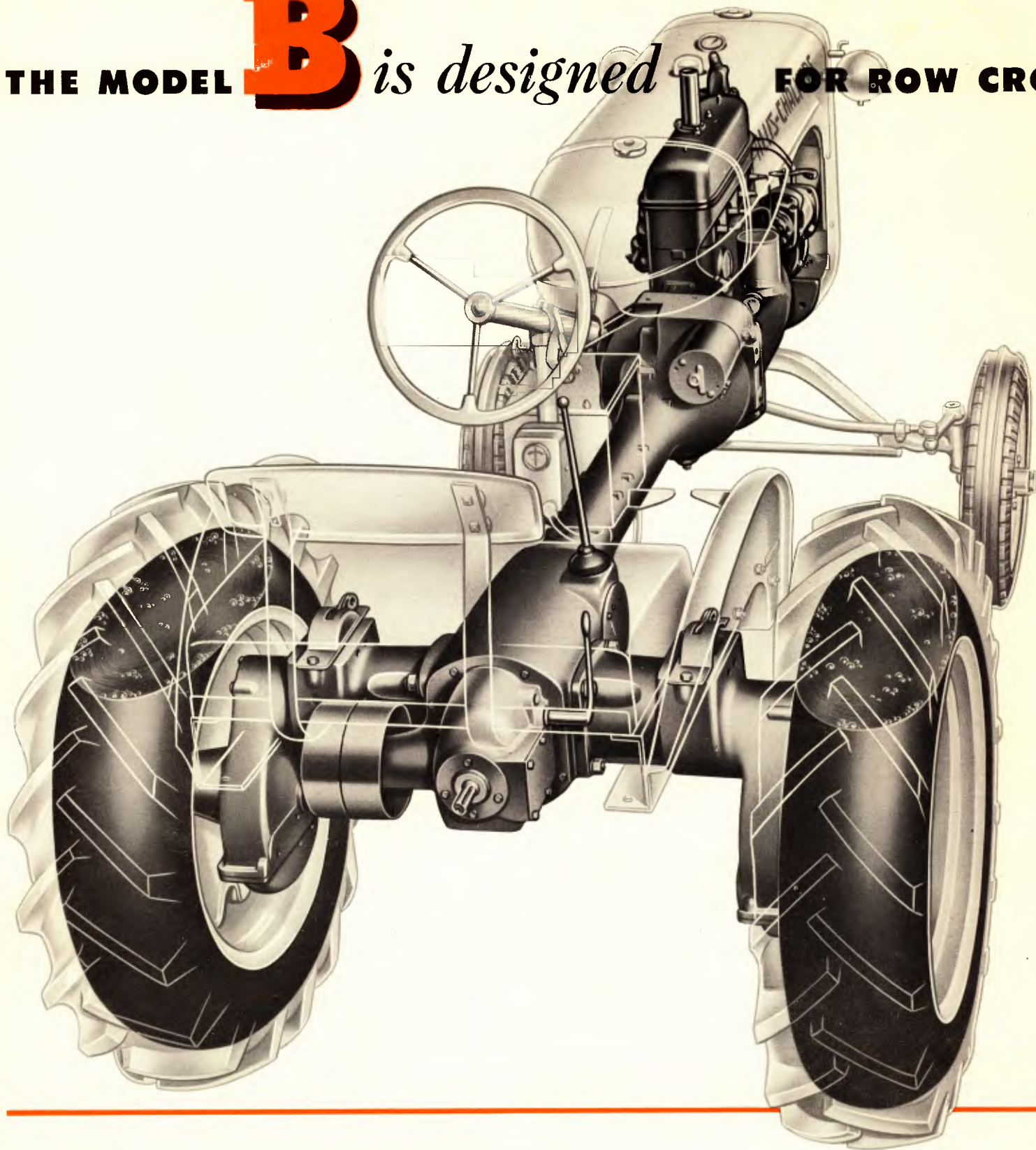
SHIPPING WEIGHT

Approximately 2,060 pounds.

EXTRA EQUIPMENT

Oversize (10-24) rear tires; side weights; rear wheel weights; swinging drawbar; hydraulic lift; belt pulley and power take-off combination.

THE MODEL **B** *is designed* FOR ROW CROP



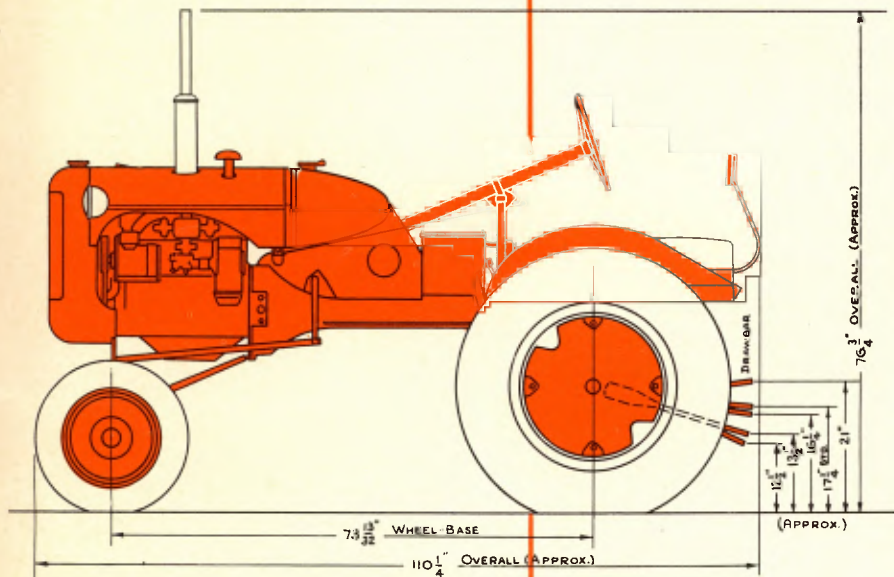
TRACTION FOR PULLING POWER

- Tractor and operator's weight concentrated over rear wheels.
- Tires mounted on wide base rims . . . provide more room for liquid ballast.
- Cast iron rear wheels add weight for traction when needed on drawbar jobs . . . extra wheel weights also available.

WORK WITH MOUNTED IMPLEMENTS . . . PLUS DRAWBAR JOBS!

RAISED REAR AXLE WITH FINAL DRIVE GEAR DESIGN GIVE . . .

- Maximum crop clearance for one-row cultivation
- Low-set drive wheels . . .
Room for implements up front
Rear-mounted implements mounted close
Stability . . . weight is carried low!
- Correct line of draft between tractor drawbar and pull-type equipment

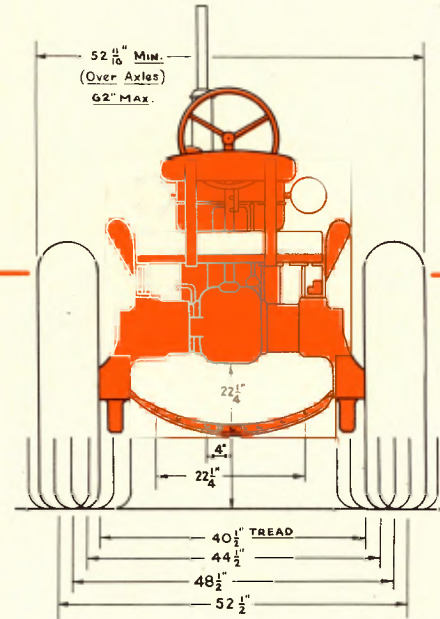


LONG WHEELBASE . . .

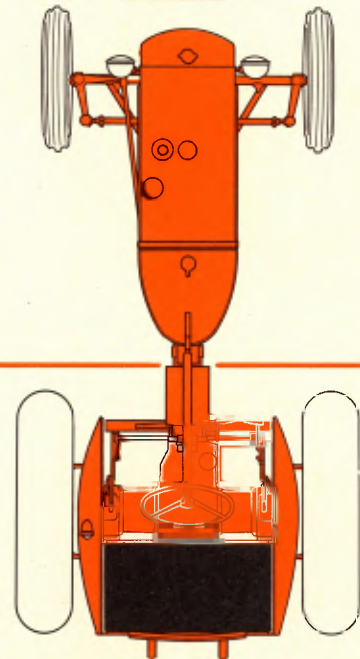
- Smooths out the bumps!
- Steadier, safer and easier tractor operation with weight properly distributed for either mounted implement combinations or drawbar work with pull-type equipment.
- Allows ample room for front-mounted implements!

VISION FOR COMFORT

- Frameless torque tube design forms the backbone of the B . . . streamlines tractor for maximum crop vision . . . allows extra room for mounting of implements.



MODEL **B** TRACTOR



WIDE CUSHIONED SEAT

THRIFTY POWER AND **ONE-ROW** EC



Plowing a deep seedbed with mounted moldboard plow



Preparing seedbed with semi-mounted disc plow



B mounted plow gets up close to fences!



Planting cotton on the contour with front-mounted planter



Full vision of all rows from wide seat



Cultivating and side-dressing cabbage in one operation

ONOMY . . . TOOLS FOR EVERY FARM JOB!



No dead furrows and a level seedbed with two-way mounted plow



Discing newly formed terraces in soil-building program



Raking with power-driven rake



The B has clearance aplenty for large leafy crops



The narrow B easily cultivates between staked crops



B and forage harvester with auxiliary motor making silage

LOOK AT THE JOBS A **B** CAN DO.....!



Pulling a transplanter . . . slow and steady



A handy helper in harvest fields



It's popular with fruit growers



Tobacco growers like it too!



Useful on all kinds of odd jobs



The B means dinner time to these turkeys

ALLIS-CHALMERS
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.