

Culti-Vision

INTERNATIONAL

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The One



The three-wheeled Farmall-B with lighting equipment, muffler, and rear wheel weights, which are extra equipment. It has the power to pull one 16-inch plow in harder than average soil conditions. It cultivates two rows of corn, cotton, or similarly spaced crops.

ALL THE POWER FOR

NATIONAL HARVESTER

FARMALL



3-Plow Tractor That Cultivates 2 Rows



WHAT "CULTI-VISION" MEANS

You Sit Where You Can See Your Work . . .
You Don't Have to Steer by Guesswork . . .
Nor Sit in a Cramped Position

WHETHER plowing, disking, planting or cultivating with the Farmall-B, **Culti-Vision** means that you sit straight up in the seat and look straight ahead just like you were driving the family car. When cultivating, you have a clear view of your work without having to lean sideways in a cramped position to see the row. You do not have to guess where the row is—it is right there under you and ahead of you all the time. That means that you can set the inside shovels close enough to the rows to do a first-class job of weed killing.

With the Farmall-B a man can cultivate up to $4\frac{3}{4}$ miles an hour—25 to 33 acres a day. With the three ideal working speeds and the variable governor he is able to travel at the right speed to do good work in any crop. If necessary, he can slow down to $1\frac{1}{2}$ miles an hour when working in young, delicate crops.

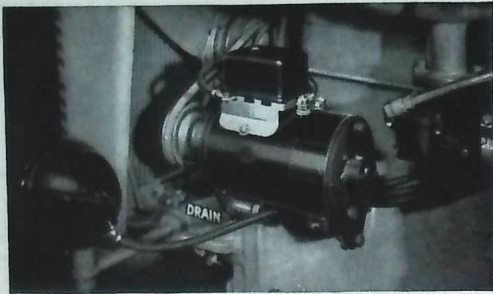
Culti-Vision means close, accurate work in corn, cotton, potatoes, beets, beans, and other row crops. It means the utmost in flexibility for the operator on every field job.

Farmall-B hits a new high in driving ease and comfort. The large, deep seat is upholstered with thick felt; it can be up-tilted to let the operator stand when he wants to stretch his legs—he can drive the tractor sitting or standing.

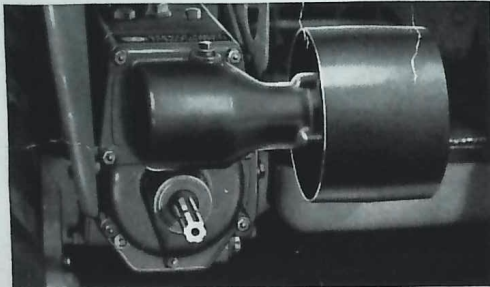
Weight and the smooth-flowing power of a really fine four-cylinder engine are balanced in Farmall's modern lines to give maximum tractive ability.

THE

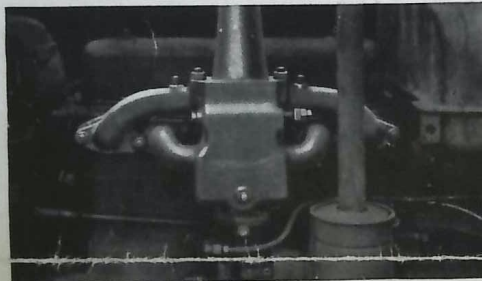
Small Farm



The generator, which is a part of the lighting equipment. A double pulley is supplied to replace the regular fan belt pulley.

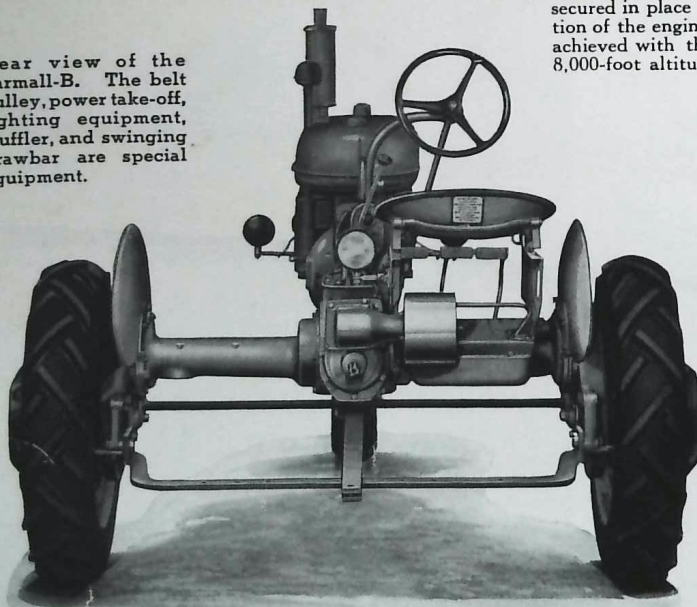


The belt pulley and power take-off attachment. The power take-off can be supplied separately if the belt pulley is not wanted.



Farmall-B engine with kerosene-distillate attachment. The attachment includes adjustable radiator shutter and heat indicator.

Rear view of the Farmall-B. The belt pulley, power take-off, lighting equipment, muffler, and swinging drawbar are special equipment.



SPECIAL EQUIPMENT FOR FARMALL-B

Distillate Attachment. Farmall-B is regularly equipped for operation on gasoline. However, on special order, it can be equipped with combination manifold for burning gasoline, distillate, or kerosene. This attachment includes adjustable radiator shutter, and a heat indicator with bracket for mounting it on the governor housing where it is easily visible from the tractor seat. All International Harvester tractors with combination manifold have established an enviable reputation for economy on whatever fuel used.

Belt Pulley and Power Take-Off. The Farmall-B supplies economical power for operating hay presses, No. 30 cylinder corn sheller, 6 or 8-inch feed grinders, any International Harvester cane mill, and, to the capacity of the engine, No. 20 sheller, small threshers and combines, or the No. 5 hammer mill. The belt pulley and power take-off are available as a unit attachment, or the power take-off can be supplied as a separate attachment if the belt pulley is not needed. The power take-off is needed for operating the Farmall-B mower, and the mechanisms of implements like the tractor binder.

Lighting and Starting Attachments. A big advantage which a tractor has over horses is that it can be worked long hours overtime, even 24 hours a day when necessary to get seedbeds ready in time or to hurry harvesting. Farmall-B can be supplied with one or two headlights and with one rear light, the equipment including generator, battery, ammeter and necessary attaching parts and wiring. Starting equipment is also available, valuable not only as a convenience but also in terms of fuel saved when the motor would ordinarily be left to run idle.

Muffler Attachment. Many folks like to hear the steady, peppy, business-like exhaust of the Farmall-B engine, but for those who don't like it the muffler attachment reduces the exhaust to a steady, low purr. It can be almost instantly attached, and costs very little.

Swinging Drawbar. The swinging drawbar is a desirable attachment when pulling trailing implements. It is another inexpensive attachment.

Wheel Weights are available in various combinations. Heavy rear wheels can be supplied to add approximately 280 pounds to the tractor, without using wheel weights, though weights can be used on the heavy wheels if desired. Double front wheels can be secured in place of the single type. Adaptation of the engine to higher elevations can be achieved with the use of the 5,000-foot and 8,000-foot altitude pistons.

REPLACE ON THE

FARMALL-B is a the small tractor to cultivate is notable for operation perfect visibility of work power to pull one 16-inch

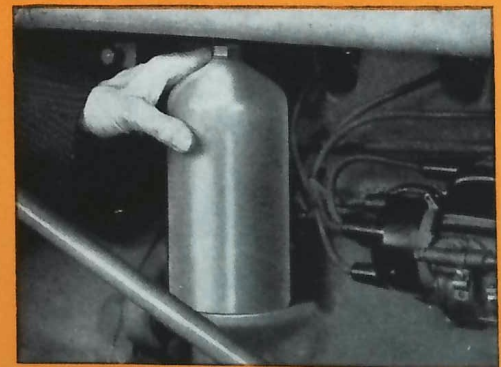
Farmall-B is the tractor speed and economy of the farmer who breaks his ground planter and cultivator.

The vegetable grower Farmall-B built to measure Farmall-B makes a row on the larger row-crop field on seven or eight gallon

The Farmall-B rear range of row spacings. fields. As in the Farmall the tractor, placing the

Farmall-B will operate nature of the work. For auxiliary tractor for the seedbed work. The wheel larger units, and at peak but on such operations a binder or corn (maize) h

Due to their low operation do (and more) and do it those last teams of horse



This oil filter with replaceable element makes it possible to use oil 120 hours without draining —saves small cost of replacing element many times over.

Farm with FARMALLS

ES THE LAST TEAM IE LARGE FARM

ree-wheel, all-purpose tractor for the man who needs a
tivate two rows. As with the other new Farmalls, it
ing ease and comfort, spunky, smooth-flowing power,
c, and maximum four-cylinder economy. It has the
h bottom under harder than average soil conditions.
ector for the row-crop grower whose acreage calls for the
wo-row operations. It is the tractor for the blackland
ound in the fall and winter and who requires a two-row

er who wants to cultivate two beds at a time finds the
ure. Farmall-B fits the potato grower's requirements.
wonderfully economical and useful auxiliary tractor
arm. On the average cultivating job it will operate
s of fuel a day.

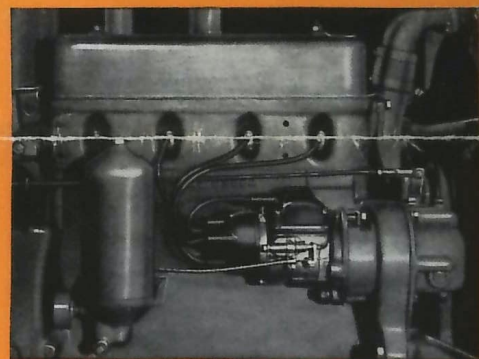
wheel treads are 66 to 94 inches, adapting it to a wide
These wider treads are particularly useful in hilly
ll-A, the seat is mounted to the right of the center of
operator where he has a perfect view of his work.

ate on 7 to 10 gallons of fuel a day, depending on the
or that reason it makes a most economical second or
man who uses larger tractors for plowing and heavy
hole season through, it works right along with the
k periods it not only knocks the tops off the peaks,
s planting, cultivating, haying, and pulling the grain
inder, provides unbeatable economy.

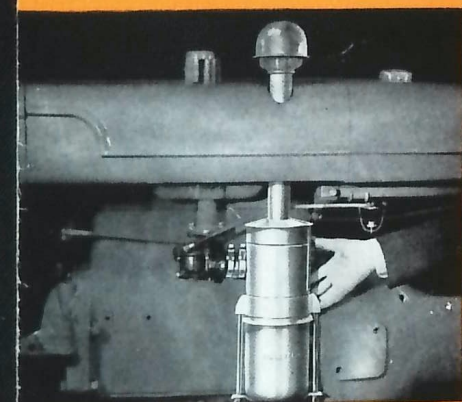
erating costs, their ability to do anything horses will
all in less time, the little Farmalls are rapidly replacing
es which have been kept for planting and hauling.



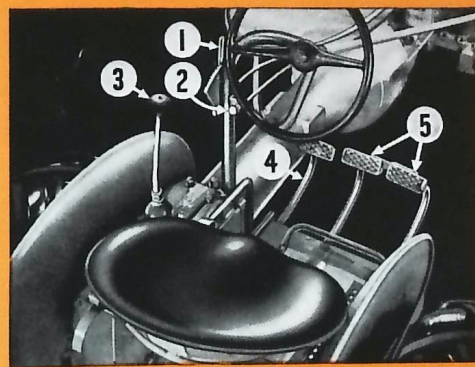
A front view of the Farmall-B, showing the offset seat. The operator sits comfortably and looks straight ahead at his work. The tractor is here shown with double front wheel, belt pulley, lighting, and muffler attachments, and rear wheel weights.



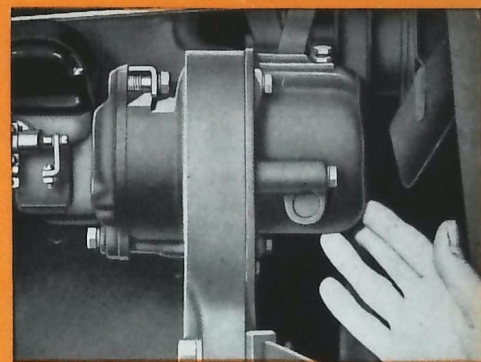
The Farmall-B engine. It has a 3-inch bore and 4-inch stroke. The cylinders are replaceable.



This oil-type air cleaner assures clean air to the engine. Air, oil, and fuel filters protect the Farmall-B engine against dirt—assure long wear and smooth, peppy power.



View over seat, showing convenience of controls: (1) the governor control, (2) magneto switch, (3) gear shift, (4) clutch pedal. The brakes (5) can be operated together for braking or separately for short turns.



The variable governor. It is completely protected against dust. It adapts the speed of the tractor to the work that is being done—it's especially handy in cultivating young crops.

for Low-Cost Farming

There's a Farmall **B** Machine

Direct-Connecting Implements for

THE purchaser of a Farmall can always be sure that he can get the equipment he needs to put it into all-purpose service. That's why, when he becomes the owner of a Farmall-B, he can choose from a long list of quality machines and put his operations on a strictly power-farming basis.

Middlebusting with Farmall-B. The B-14 middlebuster is very simple and efficient, splendid for preparing cotton beds. After one row is opened one rear tractor wheel runs in the previously made furrow, and the rows are simply and accurately spaced for cultivating.

Fast, Accurate Planting. At four miles an hour or better, the Farmall B-110 two-row checkrow planter combines speed with accurate spacing and accurate checking. Mounted right on the tractor, the planter is quickly turned and lined up. The job is finished while weather and soil conditions are right. The B-111 is the two-row drill planter.

The No. 92 blackland two-row cotton planter for Farmall-B is a new development. It is used in combination with the B-236 parallel-lift cultivator.

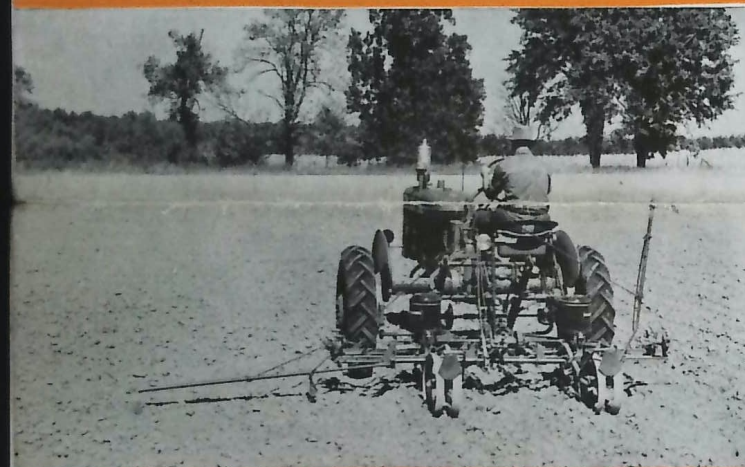
The Farmall planter-cultivator-fertilizer combination, the well-known labor saver, is now available with an even wider range of utility. The B-69 planters are regularly equipped with large, non-bridging cotton hoppers. They can be supplied with duplex hoppers at a little additional cost. These planters work on beds, on level ground, or in water furrows. When used with cultivators with bedding and fertilizer attachments, the whole job of making beds, planting and putting down fertilizer is accomplished in one operation.

The vegetable planter is the No. B-35 which is made up of four Planet, Jr., units for beet seed, beans, cabbage, celery, lettuce, radish, and other seeds. The markers can be changed from the tractor seat. The planter is adapted to flat or bed planting.

Cultivating with Farmall-B. The B-221 is a quick-attachable cultivator, especially adapted to work in checkrowed



Farmall-B pulling a 5-foot tandem disk harrow. The man with a Farmall-B can have just as good seedbeds as his neighbor with a larger tractor and larger units.



This shows the well-known Farmall two-row corn planter adapted to the Farmall-B. It will plant 25 acres a day in checked rows or drills. This is a mighty economical unit for any Corn-Belt farm, making it possible to dispense with the last team of horses or mules.



Farmall-B with No. B-14 middlebuster. Here's a wonderful combination. Under average conditions it will middlebust 11 acres a day and do it with remarkably low fuel cost.



Farmall-B and the No. 3 Little Wonder plow. Farmall-B will pull this plow with a 16-inch bottom in third speed under average conditions—4 $\frac{3}{4}$ miles an hour—6 or 7 acres a day.

ne for Every Row-Crop Job

the ALL-PURPOSE FARMALL-B

crops. It has the Farmall shifting-gang feature which enables the operator, just by turning the steering wheel, to guide the tractor and at the same time shift the gangs sideways to give double-quick dodging ability. As commonly equipped, there is a front and a rear section, the front section carrying the shovels next to the rows.

The B-236 and B-238 are sturdily-built 2-row cultivators, adapted to use in cotton, corn, potatoes, peanuts, and other crops in rows 32 to 42 inches apart. The B-236 has pipe beam gangs and is preferred where large sweeps are used. The B-238 has flat steel beams. Both have parallel-acting shields. Equipment available includes spring teeth.

The vegetable cultivator, B-435, is designed to follow the vegetable planter. The maximum width that can be cultivated is 96 inches. Thirteen tool-bar clamps are regularly supplied. The rear section can be supplied on special order. The purchaser has a wide choice of ground working tools.

Quiet, Economical Mowing. Equipped with the direct-connected V-belt drive No. 16-B mower, Farmall-B becomes one of the sweetest-running and easiest-handled mowing outfits that ever entered a hayfield. In addition to mowing, Farmall-B is most economical and convenient for raking, loading, or hauling the hay to the barn. Its economy and flexibility in the hayfield is another reason why this little tractor finds a place on small and large farms alike.

Power-Lift Tractor Plow. The No. 3 Little Wonder is a new, solidly built, two-wheel, single-furrow plow, especially recommended for use with the Farmall-B where a pull-behind or trailing type plow is wanted. Fourteen or sixteen-inch bottoms can be supplied.

Harrow-Plow for Small Tractors. Two new harrow-plows are especially adapted to use with small tractors. The No. 7 is supplied with five and six 20 or 22-inch disks with 8-inch spacing. The No. 8 comes in three and four-disk sizes with 24 or 26-inch disks with 10 $\frac{11}{16}$ -inch spacing.



Farmall-B and the B-435 vegetable cultivator. This is the cultivator for beets, beans, lettuce, carrots, onions, etc. A wide range of combinations is available for cultivating flat or bedded plantings. Rows can be spaced as close as 12 inches apart.



Here is the Farmall-B pulling a one-row direct-connected maize corn binder, capable of handling 10 or 12 acres a day. This machine is sturdily built, and designed to harvest not only corn but also sorghums, Sudan grass, soybeans, and many other crops grown in rows for fodder or silage.



The Farmall-B is shown here operating the No. 15 hay baler. Its economy in all hayfield operations makes this little tractor a splendid auxiliary machine on the larger farms.



The Farmall-B tractor equipped with the No. 16-B mower will cut up to 4 acres an hour. The outfit can be operated all day long on 6 to 8 gallons of fuel.

FARMALL-B is regularly equipped with a four-cylinder engine, gasoline carburetor, waterproof magneto with automatic impulse coupling, oil-type air cleaner, absorption-type oil filter with replaceable element, and fuel filter with glass sediment bowl. Single front wheel with 6-12-in.

pneumatic tire. Rear wheels with 8-24-in. pneumatic tires. Vertical adjustable drawbar. Differential steering brakes (foot-operated). Four-speed transmission. Rear wheel shields. Upholstered seat.

FARMALL-B SPECIFICATIONS

Maximum Drawbar Horsepower on Gasoline.....	17.31
Maximum Belt Horsepower on Gasoline.....	19.22
Rated Drawbar Horsepower on Gasoline (75% of Maximum).....	12.98
Rated Belt Horsepower on Gasoline (85% of Maximum).....	16.34
Forward Speeds, M.P.H.....	2¼, 3¾, 4¾ and 10
Reverse Speed, M.P.H.....	2¾
Rated Engine Speed, R.P.M.....	1400
Engine Speeds with Variable Governor Control, R.P.M.....	900 to 1400
Number of Cylinders.....	4
Replaceable Cylinders.....	Yes
Bore and Stroke.....	3 x 4 in.
Belt Pulley (Special Equipment), Diameter and Face.....	8½ x 6 in.
Belt Pulley R.P.M. at Rated Engine Speed.....	1157
Belt Speed, Feet per Minute.....	2574
Power Take-off (Special Equipment), R.P.M.....	540
Rear Wheels, Tread, Adjustable by 4-in. intervals.....	66 to 94 in.
Single Front Wheel.....	6-12-in. tire
Rear Wheels.....	8-24-in. tires

Crop Clearance.....	23 in.
Wheelbase.....	72½ in.
Total Length.....	109 in.
Total Width (Minimum).....	81¼ in.
Total Height.....	63¼ in.
Turning Radius with Wheels set to 66-in. Tread.....	7½ ft.
Cooling System.....	Thermo-Siphon
Capacity Cooling System.....	2¼ Imp. gal. (3¾ U.S. gal.)
Engine Lubrication.....	Pressure
Capacity Fuel Tank.....	8½ Imp. gal. (10 U.S. gal.)
Clutch.....	9-in. Single Plate
Steering.....	Worm Gear, Enclosed
Drawbar, Vertical Adjustment.....	51¼ in.
Drawbar, Horizontal Adjustment.....	33¼ in.
Approximate Net Weight.....	1780 lb. (807 kg.)
Approximate Shipping Weight (Boxed for Export).....	2180 lb. (989 kg.)
Cubic Feet (Boxed for Export).....	68

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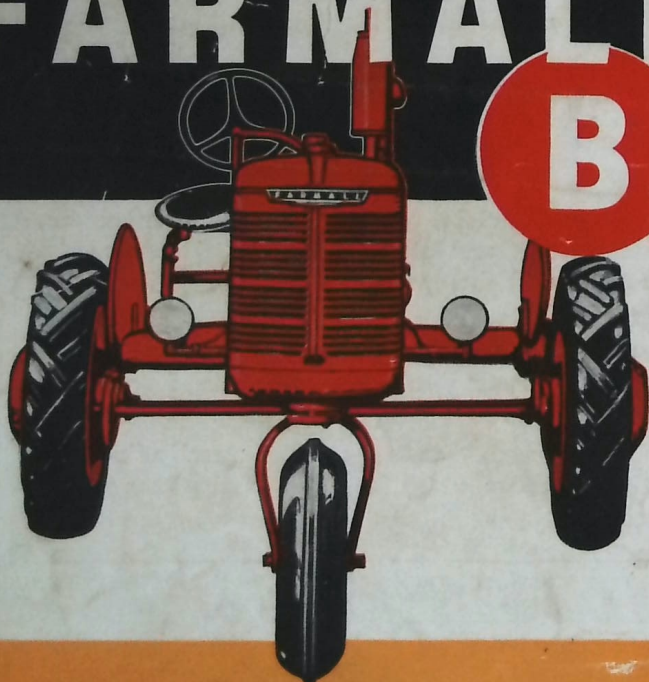


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McCORMICK-DEERING

FARMALL

B



The Greatest Little Tractor
on Three Wheels