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International Harvester

Catalog

1936 Full Line

Tractors & Implements

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IH-C-1936 FULL

Catalog

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TRACTOR

MAIN REVIEW

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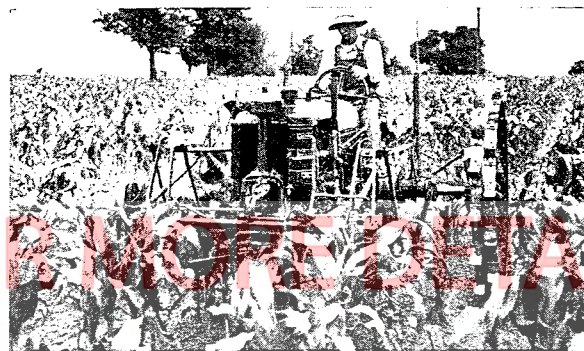
POWER FARMING MARCHES ON! A mere twenty-five years ago there were only a few thousand gas-powered farm tractors in the whole country. Today there are around a million, and the number continues to grow. Farming is well into the tractor-power era.

There have to be sound reasons for such a fundamental change, and there are. The world's work is being increasingly mechanized, and this widespread replacement of animal power—muscle power—with tractor power on farms is in line with the broad trend of the times. No more in farming than in manufacturing can muscles compete with motors. Tractor power has given to progressive farmers what they demand—vastly increased efficiency, substantially lower per-acre cost, a new standard of work-comfort and convenience. Human nature demands tractor comfort and convenience; profit farming demands tractor efficiency and lower cost.

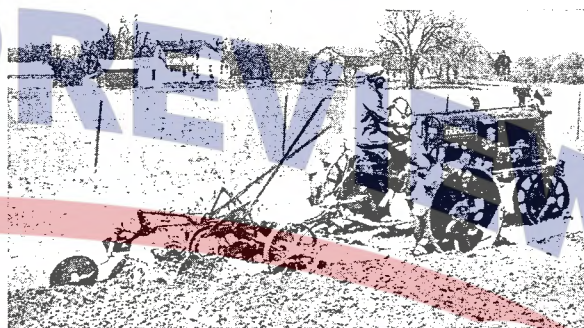
In this far-reaching advance International Harvester tractors have from the early days played a notable part. The fact that 30 years ago the Company correctly anticipated the possibilities of power farming and took the lead in tractor development is indicative of the initiative and vision that have ever since characterized the work of Harvester engineers. Their constant aim has been to give the man on the land a mobile power plant that would do his work faster, better, and cheaper than it had ever been done before.

Pursuing that objective they produced in due course the well-remembered Titan tractor; the world-famous McCormick-Deering gear-drive line; the history-making Farmall—the all-purpose tractor that first made horseless farming a reality—the "12" series of low-cost smaller-farm tractors, including the Farmall 12; the TracTracTor line; and most recently the first Diesel-powered wheel-type farm tractor to be built by an American tractor manufacturer. Such, in part, is the record of International Harvester's contribution toward a more efficient and therefore a more prosperous Agriculture.

On the following pages the entire McCormick-Deering line of farm tractors—twelve sizes and types—is illustrated and described. Whether your acreage is small, medium, or large, or whether you grow row crops, small grain, fruit, or garden truck, you will find a McCormick-Deering tractor to fit the kind and scale of your operations.



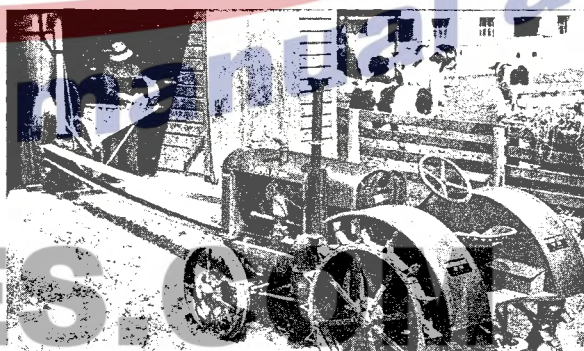
Illust. 1. Farmall 12 cultivates 20 to 30 acres a day.



Illust. 2. Farmall 20 plows 7 to 12 acres a day.



Illust. 3. O-12 power take-off operating sprayer.



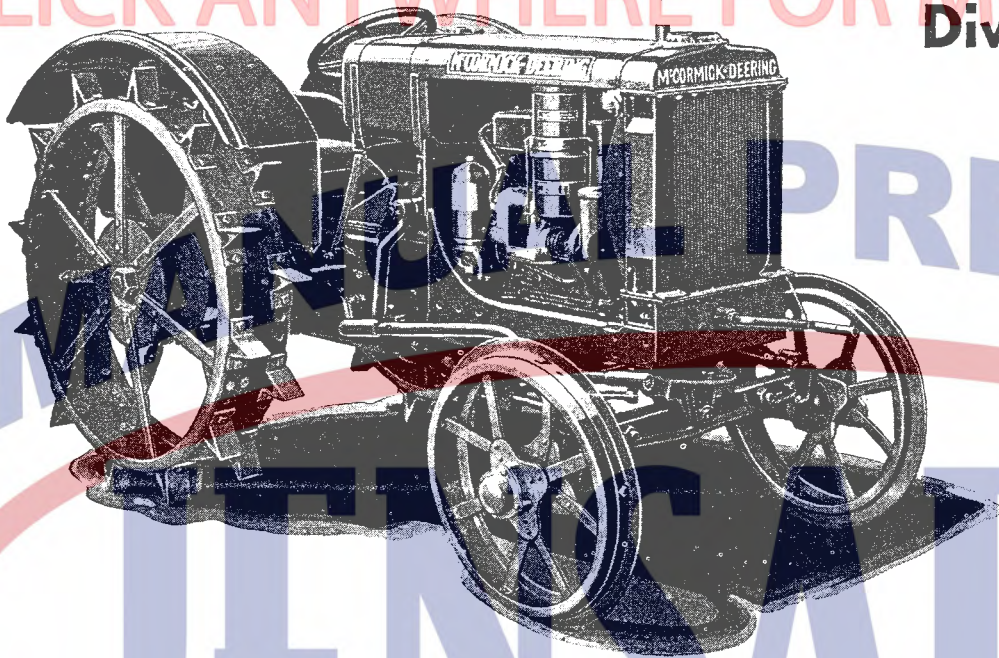
Illust. 4. W-30 driving hammer mill.



Illust. 5. TracTracTor power is ideal for hills.

McCORMICK-DEERING W-12—

Tractor Power to fit the Smaller
Diversified Farms



POWER FARMING MARCHES ON—

and two outstanding reasons for that continued advance are in evidence at every stage of International Harvester's 30-year record of tractor manufacturing.

First, there has been from the beginning a definite year-by-year improvement in the quality of tractor construction. Second, there has been constant experimentation by Harvester engineers to extend the benefits of tractor power to the smaller, as well as the larger, farms.

These two long-time trends of Harvester tractor manufacture and their effects on the Power Farming March are well exemplified in the three tractors shown on this and the two following pages. These three tractors—F-12, W-12, and O-12—embody the latest features of modern high-quality tractor design. And because of their lower first cost and their surprisingly low cost of operation, these popular models have opened up all the comforts and profits of power farming to between two and three million farmers whose

acreage did not justify the purchase of tractors formerly available.

The W-12, shown above, is the conventional 4-wheel "general farming" tractor of the "12" series. It is adapted to both orchard and open-field work. Within its capacity it will perform any drawbar, belt, or power take-off operation common to the larger tractors. With a 5-foot wheelbase and a 9-foot turning radius, it handles with remarkable facility in close quarters—a feature of instant appeal to farmers with small and perhaps irregular fields. Among numerous other quality features and refinements are oil, air, and fuel filtering systems; downdraft carburetion; high-tension induction magneto with automatic impulse starter; special dust seals; and a total of twenty-seven ball and roller bearings in wheels, transmission, and final drive.

WHAT THE W-12 WILL DO:

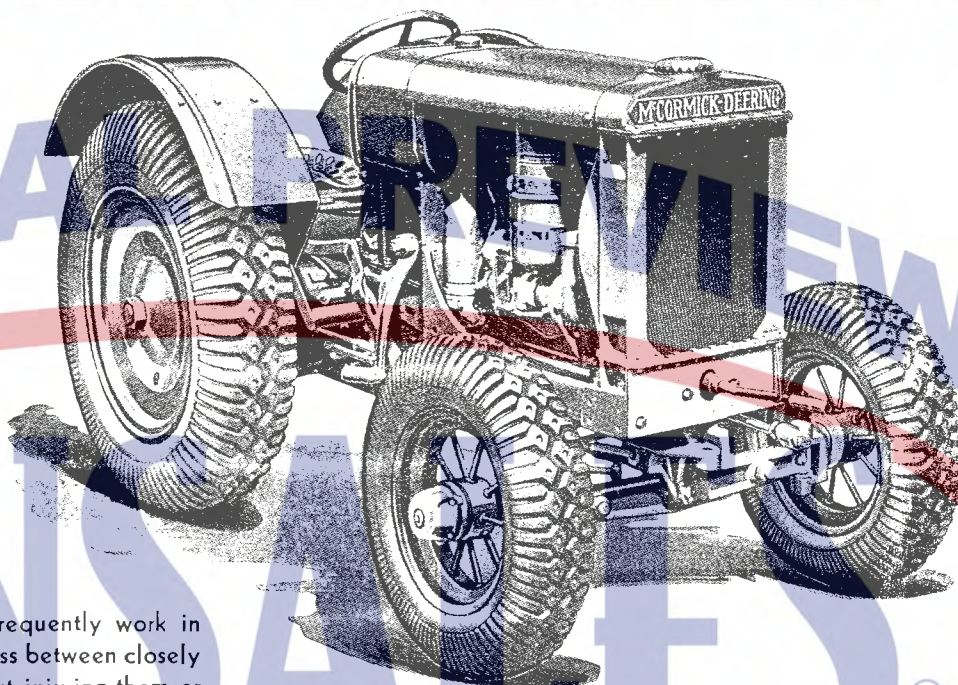
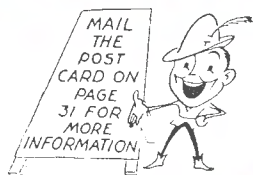
1. Will more than pay its way on any diversified farm now using from 3 to 5 horses and enable the man with from 20 to 125 acres to reap the advantages of power farming. 2. In average conditions will use around a gallon of fuel an hour. 3. Will plow from 4 to 7 acres a day; double-disk from 16 to 20 acres; harvest (tractor binder) 30 to 35 acres; drive (16 belt h.p.) the smaller-size belt machines, feed grinder, ensilage cutter, etc., and operate other drawbar, belt, and power take-off machines in proportion. 4. With pneumatic tires will do most of the hauling, field and highway. 5. On many farms will advantageously supplement the work of larger tractors.



McCORMICK-DEERING O-12-

Speed, Power, Economy for

Orchard, Grove, and Vineyard



ANY full-line tractor manufacturer must of necessity have a tractor suited to the requirements of that important group of agriculturists, the fruit growers. For many of the problems of maintaining a citrus grove, vineyard, or orchard are not met with in other branches of agricultural activity.

The fruit grower's tractor must frequently work in soft, sandy, unstable soil. It must pass between closely spaced rows of trees or vines without injuring them or the hanging fruit. It must not be too high to work under low-hanging branches and pull a plow or disk harrow close to the trees. It must be able to maneuver in and out of the rows and to turn in a small space, so as not to lose time at the ends. It should have a power take-off to operate spraying and dusting equipment, and it must have the power and speed to get seasonal jobs done on time.

Such a tractor is the McCormick-Deering O-12 shown above. Regularly equipped with low-pressure pneumatic tires, it handles its load in loose, sandy soil without slippage and can work close up without the risk of injuring trees, roots, or branches. The tires, too, to-

gether with a high-gear speed of better than 10 miles per hour, make it ideal for highway hauling purposes. With a 60-inch wheelbase, 41-inch rear-wheel tread, height of 52 inches, and turning radius of $9\frac{1}{4}$ feet, it can snap in and out of tight places with surprising ease. Radiator guards are supplied on special order.

The O-12 has the regular "12" series 4-cylinder valve-in-head engine with replaceable cylinders and is regularly equipped with power take-off. Belt pulley is supplied on special order. Other regular features include swinging drawbar, foot brakes for turning, fold-up seat, and hand-operated over-center clutch.

WHAT THE O-12 WILL DO:

1. Will do the work of 5 horses or mules and enable the average fruit grower to tractorize his operations at low cost.
2. Will plow 4 to 6 acres a day; tandem-disk 16 to 20 acres; harrow (spring tooth) 18 to 25 acres; and operate, through belt or power take-off, sprayers, dusters, and other machines within its capacity (14 belt h.p.).
3. With maximum high-gear speed of $10\frac{3}{8}$ miles per hour, will do much or all of the road hauling as well as the field hauling.
4. Will work all day (and all night if necessary) on about a gallon of fuel per hour.
5. Will be profitable as an auxiliary tractor for light work on many farms using large tractors.



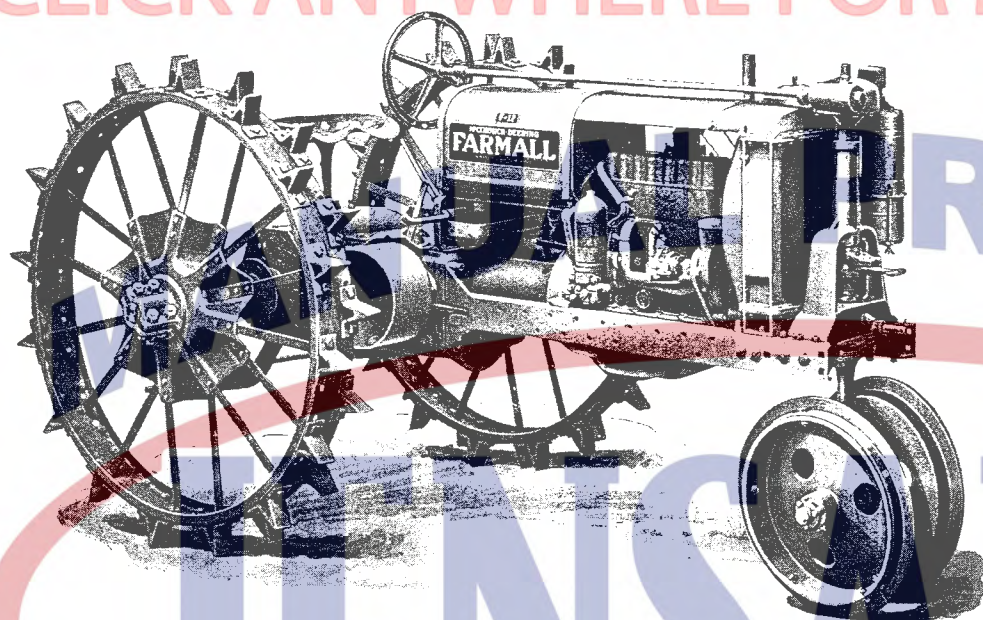
Citrus grove fenders available on special order.

FULL SPECIFICATIONS ON PAGES 16 AND 17

McCORMICK-DEERING FARMALL 12—

The Original All-Purpose

Tractor For The Smaller Farms



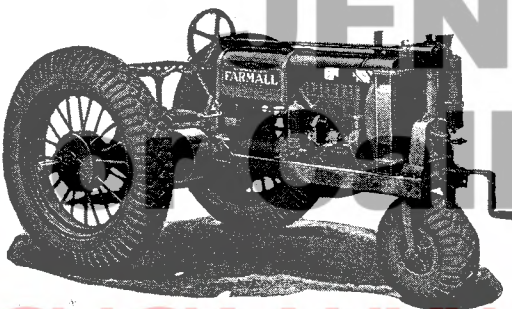
cost. Accurately kept farm records reveal an annual fuel consumption rate of around a gallon an hour. Add to this remarkable economy of ownership and operation the further fact that the Farmall 12, with the various types of equipment designed specifically for it, meets every farm power requirement—field, belt, and power take-off—within its capacity, and you have the reason why this

THE McCormick-Deering Farmall 12, the original member of the "12" series of smaller farm tractors, is the answer to the power problems of the man with limited acreage, particularly where row-crop farming is the rule. For with the introduction in 1933 of this 2700-pound younger brother of the original all-purpose Farmall every row-crop farmer in the country with from 20 to 125 acres was able for the first time to consider replacing his horses or mules with a tractor—and do it at a saving! Thousands upon thousands have already done so.

Two facts make the Farmall 12 a practical investment for the smaller farms—its low first cost (see the McCormick-Deering dealer) and its low operating and upkeep

little tractor is still creating a sensation wherever used.

Special direct-connected machines for the Farmall 12 are all of the new Quick-Attachable type—on or off in 2 to 8 minutes! They include moldboard and disk plows, 1-row middle buster, 2-row corn and cotton planters and listers, 2-row cultivators for standard row crops, 4-row beet and bean cultivators, 7-foot power mower, 12-foot sweep rake, and 1-row beet puller. Other equipment includes the power binder, single-row potato digger, corn binder, pull-behind plows, harrows, and other implements. The Farmall 12 can be ordered with gasoline manifold or at small additional cost with manifold to handle kerosene or No. 1 distillate.



Special high-speed transmission available for rubber-tired tractors.

WHAT THE F-12 WILL DO:

1. Will perform virtually every power operation on the average row-crop farm up to 125 acres, eliminating any former necessity for keeping horses or mules.
2. Will do the year's season-to-season work with an average hourly fuel consumption of about 1 gallon (proved by owners' records on file).
3. Will plow from 4 to 7 acres a day; plant 20 acres; cultivate 20 to 30 acres; harvest (tractor binder) 30 to 35 acres; and with a single-row corn picker, potato digger, 7-foot power mower, disk harrow, rotary hoe, or other machine will work at steady speeds of from 2 to nearly 4 miles per hour (higher speed available).
4. Within its capacity will drive corn shellers, feed grinders, wood saws, pumps, hay presses, ensilage cutters, and other belt machines.
5. On many farms will advantageously supplement the work of larger tractors.

FULL SPECIFICATIONS ON PAGES 16 AND 17

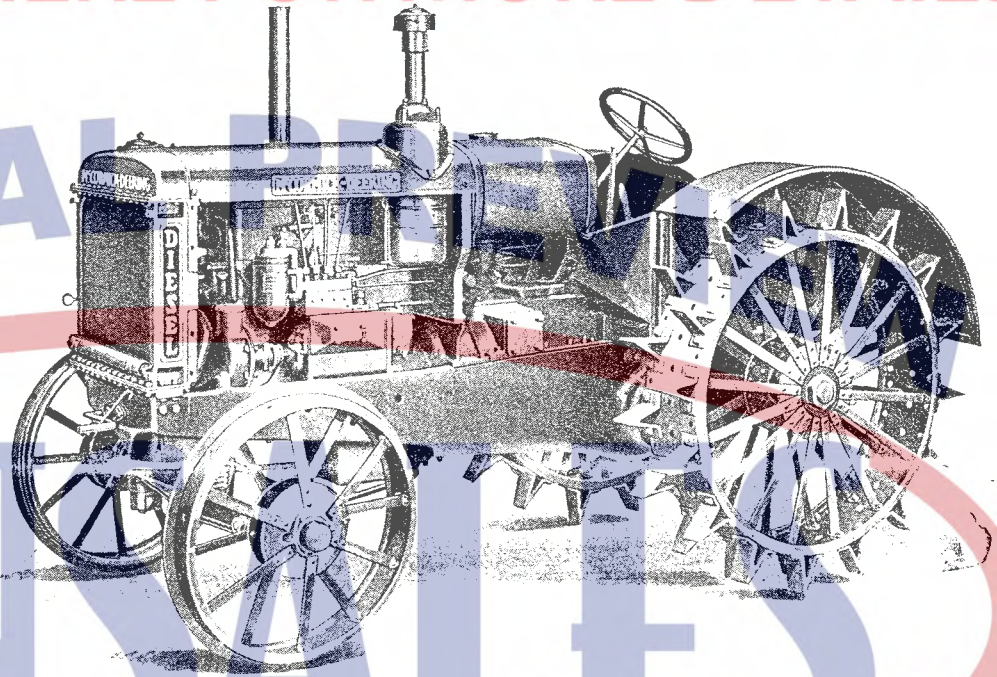
MCCORMICK-DEERING WD-40-

DIESEL-ENGINE! The First in American 4-Wheel Farm Tractor History

BOTH International Harvester's close attention to the needs of Agriculture and the pioneer quality of the Company's leadership in tractor design are again demonstrated in the production of the WD-40, America's first wheel tractor to be powered with a Diesel engine! If Diesel developments in the agricultural field later on become as far-reaching as they already are in the industrial field, the McCormick-Deering WD-40 will be recorded as the trail blazer that showed the way to new levels of economy and efficiency in farm operation.

The principal significance of the Diesel engine, whether in a farm tractor or a railroad train, lies in the fact that it utilizes low-priced fuel. It reduces fuel costs far below those of a conventional engine of the same size. Moreover, the Diesel uses less fuel than a conventional engine of the same size. Consequently fuel handling and transportation costs are less. The saving under this head is often substantial in remote territories.

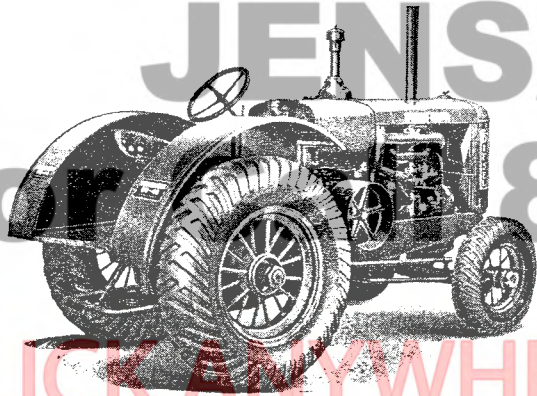
It is a well-known fact that because of its system of metered fuel injection and its slightly slower and more thorough combustion the Diesel's "lugging" ability is greater than that of other internal-combustion engines. A uniform flow of power at governed speeds is highly desirable in heavy-duty farm tractor work, and the



superiority of Diesel performance in this respect is as important to many operators as the dollar-and-cent saving in fuel.

The McCormick-Deering Diesel starting system is exclusive, unique. Harvester engineers did not resort to auxiliary engines or electric starters with expensive batteries. For starting, the McCormick-Deering Diesel is converted into a gasoline engine, cranked by hand. The almost immediate switch-over to Diesel operation is entirely automatic. The system is positive, regardless of weather conditions.

Other features of the WD-40 are explained and illustrated in a special folder. Ask for it!



Special high-speed transmission available for rubber-tired tractors.

WHAT THE WD-40 WILL DO:

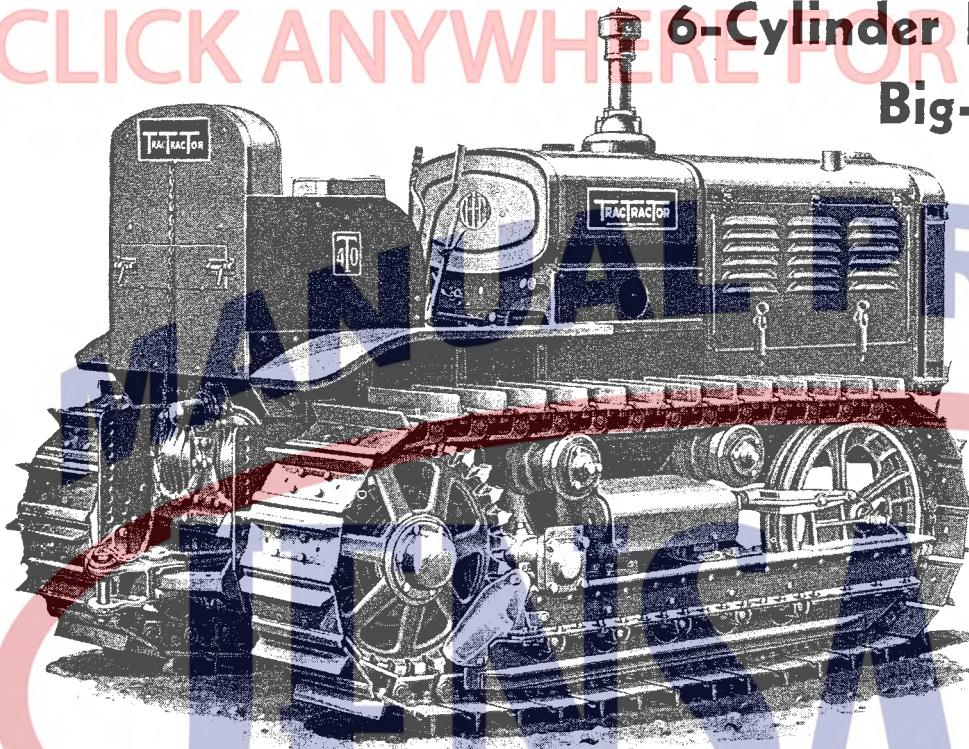
1. In extended farm operations it will do the work cheaper than a corresponding size of conventional tractor.
2. Will do as much field work in a day as 14 to 18 horses or mules and meet the power requirements of diversified or grain-belt farms of from 250 acres up.
3. Under most conditions it will plow 15 to 20 acres a day; double-disk 35 to 40 acres; harrow (depending on equipment) from 60 to 125 acres or more; field-cultivate 45 to 50 acres; drill (depending on size) from 50 to 100 acres; pull large-size harvester-threshers; drive a 32-inch thresher and frequently larger; and operate other drawbar, belt, and power take-off machines of like power requirements.
4. Will do a day's work on from 15 to 25 gallons of low-cost fuel oil.

FULL SPECIFICATIONS ON PAGES 16 AND 17

MCCORMICK-DEERING T-40 TRACTOR—

Crawler Traction with Smooth-Flowing

6-Cylinder Power—for the Big-Scale Operator



Deering TracTracTors are the most accessible crawler tractors built. This is particularly true of the steering clutches and brakes. These vital parts can be inspected, adjusted, or replaced without disturbing tracks, track frames, or driving sprockets—an outstanding achievement in crawler tractor design. Engine, clutch, and transmission are equally accessible.

THE T-40 TracTracTor, brought out in 1932, was designed for the large grain grower or rancher whose conditions necessitate a track-type tractor of a larger size than the T-20 described on page 11. You will find T-40's at work in many agricultural sections throughout the country.

The T-40 TracTracTor is available with two styles of engine—the K with special manifolding and heat control for most efficient operation on kerosene or No. 1 distillate, the A with "cold" manifold for operation on gasoline only.

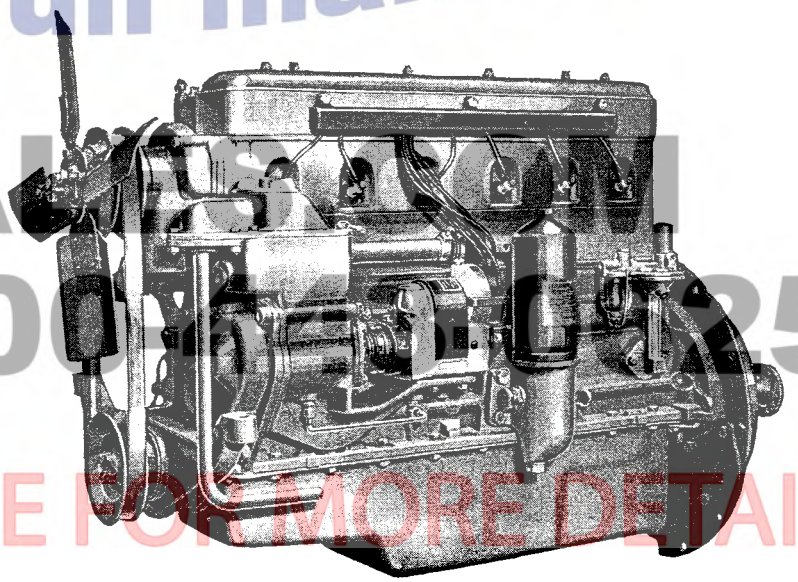
The statement has been made that McCormick-

Among other features which at once commend the T-40 to the critical buyer are the heavy one-piece main frame, the generous use of ball bearings (44 in all), and the self-adjusting system of triple seals protecting track rollers, front idlers, and driving sprockets against damage from dust, sand, mud, and water.

We will gladly send you a pamphlet describing the T-40 in detail. Just fill out the post card on page 31.

WHAT THE T-40 WILL

DO: 1. Will meet all major power requirements on farms or ranches of from 300 to 500 acres. 2. Will plow from 20 to 30 acres a day; double-disk upwards of 40 acres; harrow (depending on equipment) from 60 to 125 acres or more; pull the largest harvester-threshers; and operate other drawbar, belt, and power take-off machines of comparable size. 3. Will do as much field work in a day as 16 to 20 horses or mules with a fuel consumption in average conditions of from 35 to 40 gallons.



FULL SPECIFICATIONS ON PAGES 16 AND 17