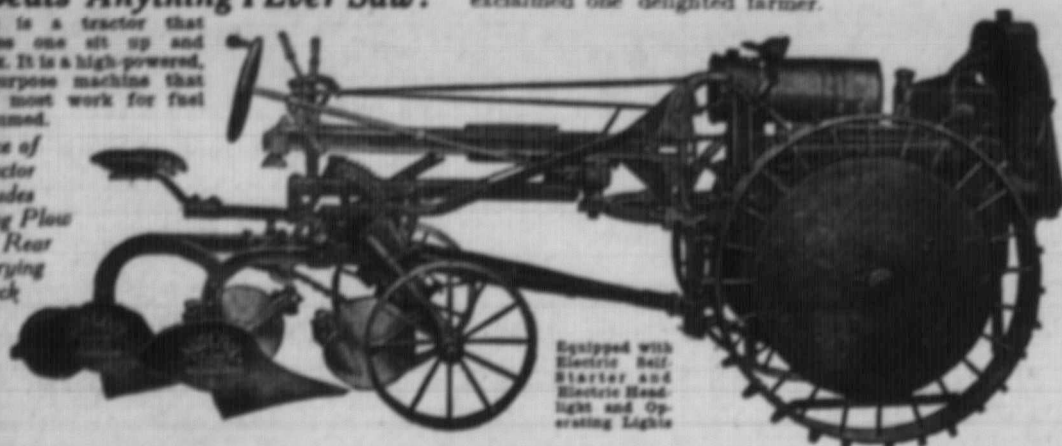


"Beats Anything I Ever Saw!" exclaimed one delighted farmer.

This is a tractor that makes one sit up and think. It is a high-powered, all-purpose machine that does most work for fuel consumed.

Price of Tractor includes Gang Plow and Rear Carrying Truck



Equipped with Electric Self-Starter and Electric Head-light and Operating Lights

THE MOLINE UNIVERSAL ONE-MAN TRACTOR

Simplest to operate. A real one-man outfit. Has proved its superiority by years of service on American farms. It is the ideal power unit for every farm job because it gives most power for the least cost.

WRITE TO THE DISTRIBUTOR IN YOUR PROVINCE FOR FREE BOOKLET, PRICE AND ALL DETAILS

For Manitoba:—
Anglo-Canadian Engineering Co., Ltd.,
501 Union Trust Bldg., Winnipeg.

For Saskatchewan:—
Universal Tractor Company Limited,
408 Canada Building, Saskatoon.

For Alberta:—
General Supplies Limited,
123 Eleventh Avenue West, Calgary.

LARGE STOCK OF REPAIRS CARRIED AT PRINCIPAL POINTS. DEALERS WANTED IN UNOCCUPIED TERRITORY



IMPERIAL SERVICE

If you are in doubt about the proper lubricant, ask the Imperial Oil man. He will give you courteous attention and sound advice on your lubrication problems. That is part of Imperial Service.

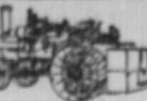
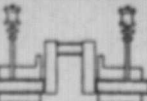
NOT ONLY GOOD OILS — CORRECT LUBRICATION

YOUR automobile, tractor or stationary engine can do its best work only when it is correctly lubricated. Your horses can do their work more easily when your wagons and farm machinery are correctly lubricated. All your machinery will wear longer, give you more satisfactory service and less repair expense if you use the correct lubricant in each case.

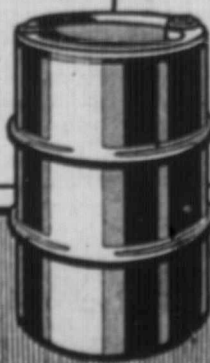
There is a just-right oil for every mechanical purpose—an oil manufactured by Imperial Oil Limited for each lubricating requirement. You can get it in any part of Canada—at any Imperial Oil station. There is one near you.

Imperial oils are supplied in steel barrels and half-barrels—convenient, economical. No waste. You use every drop you pay for and know that every drop is uniform and clean.

A Correct Lubricant for every Farm Machine

 For Gasoline Engines, Tractor, Auto or Stationary POLARINE OIL STANDARD GAS ENGINE OIL For Kerosene Engines, Tractor or Stationary POLARINE OIL HEAVY IMPERIAL KEROSENE TRACTOR OIL (Recommended by International Harvester Co.)	 For Open Bearings of Farm Machinery PRAIRIE HARVESTER OIL —very heavy body, resists cold, won't thin out with moisture ELDORADO CASTOR OIL —a thick oil for worn and loose bearings	 For Steam Cylinder Lubrication, whether Tractor or Stationary Type CAPITOL CYLINDER OIL —the standard product for steam cylinder lubrication	 THRESHER HARD OIL For Grease Cup Lubrication of Bearings —a clean solidified oil high melting point
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IMPERIAL OIL LIMITED
BRANCHES THROUGHOUT CANADA



The Grain Growers' Guide

one-and-a-half to two inches deep and slightly to the landside of the shin of the plow.

Coulter.—Should be set half the depth of the furrow, back of the point of the share and slightly to the landside of the shin. If used in connection with a jointer, it should be set ahead of it.

Wheels.—The land wheel should travel directly to the front of and parallel with the furrows. The front furrow wheel is given a small lead from the land, likewise the rear furrow wheel. The rear furrow wheel should run one to two inches outside of the landside of the plow.

Hitch.—In any wheel plow the load should be carried on the wheels as much as possible to reduce the draft. The driver may test this by dismounting while the plow is under way and taking hold of the frame at the front wheel and sliding it sideways, and doing likewise at the rear furrow wheel. If equal resistance to side motion be encountered it is reasonable to assume that all the load is carried on the wheels. The load may be equalized by raising the point of the hitch or lengthening the traces.

Repairs for Disc Plows

The general features of disc plows are the same as in other plows except that the bottoms are replaced by discs.

Refer to sulky and gang plows and examine:—

Disc bearings.—Take down, clean with kerosene, replace the worn parts, and assemble with sufficient grease to pack the bearings properly.

Discs.—Sharpen or replace if badly worn.

Scrapers.—See that all connections are tight and if the scrapers are badly worn, renew them.

Adjustments

Depth of cut.—Is regulated by raising or lowering the frame, to which the discs are attached, on the staff bearings of the front and rear furrow wheels and land wheel.

Width of cut.—Is regulated by landing the front and rear furrow wheels and setting the scrapers for a wide or narrow furrow.

Wheels.—The land wheels should travel directly to the front and parallel with the furrow. The front furrow wheel is given a small lead from the land, likewise the rear furrow wheel, which should run one to two inches outside of the land side of the furrow.

Hitch.—In any disc plow, loads should be carried on the wheels as much as possible to reduce draft. The load may be equalized by raising the point of the hitch or lengthening the traces. —U.S. Farmers' Bulletin.

Size of Shaft

In small shops employing short shafts the following method may be employed to determine the correct size of shafting. Take 50 times the horse-power to be transmitted and divide the product by the speed of the shaft in revolutions per minute. Extract the cube root of the quotient. The result is the shaft diameter in inches.

More Government Tractors

A dispatch from Ottawa states that Canadian farmers have taken kindly to the Fordson tractors purchased through the federal department of agriculture at \$750 each and distributed at cost to the cultivators. The full thousand contracted for in March have all been snapped up, and the government has made arrangements for an additional supply from the Ford company, at the same price, deliveries not to exceed 35 per day.

Hon. Charles Dunning, of the Ford board, in a report to the minister of agriculture, says that the tractors have proved "most satisfactory."

Up to May 23, the allotment of tractors by provinces was as follows: Saskatchewan, 342; Alberta, 325; Ontario, 200; Manitoba, 143; British Columbia, 20; Nova Scotia, 14; Quebec, 9; Prince Edward Island, 6; and New Brunswick, 5.

Mr. Dunning estimates that there will be an increased production in wheat alone in the western provinces this year of from 15 to 20 per cent.

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