

HIGH-CLASS "BRITISH"  
MACHINERYThe 'Marshall'  
Oil TractorBuilt like a Battleship  
Runs like a Watch

## The Dreadnaught of the Prairies

This Tractor is made in 2 sizes, 16 H.P. Draw-bar, giving off 30-35 Brake H.P. on the pulley; 32 H.P. Draw-bar, giving off 60-70 Brake H.P. on the pulley. They are economical, durable and reliable. Guaranteed of finest materials and best workmanship. They need few repairs.

IF YOU WANT SATISFACTION, BUY OUR TRACTOR AND THAT WILL STAND UP AND GIVE YOU MANY YEARS OF SERVICE

Farmers are seriously warned not to be misled by the light, short-lived, inferior, cheap (so-called) Tractor; it will not stand up and only causes trouble, vexation and loss.

## SEND FOR CATALOGUE

SEMI-DIESEL, TWO CYCLE, OIL ENGINES, STATIONARY AND PORTABLE

suitable for General Farm Work, Threshing, Electric Lighting, Contractors, and General Commercial use. STEAM ENGINES, all kinds, 2 to 2,000 H.P., also Boilers.

Marshall, Sons & Co. (Canada) Ltd.  
ENGINEERS

Saskatoon - Canada

P.O. Box 1564 - Telephone 3393

Cut down your Plowing Cost per acre with  
**YELLOWHEAD COAL**

The only coal of its kind that is mined in Canada. Not Lignite but Bituminous, and sold in any size from Slack to Lump.

NORTH WEST COAL CO., Edmonton, Alta.

## International Loan Co. Ltd.

Incorporated under the laws of the Province of Manitoba

We buy Mortgages and Agreements of Sale, at a discount, on satisfactory real estate security.

707-8 Confederation Life Bldg., Winnipeg, Canada

## FROM FRIEND TO FRIEND

If the railroads did not carry freight, the passengers would have to pay higher fares.

If magazines and farm papers and newspapers did not carry advertising, the subscribers would have to pay much more money for each copy.

If the passenger trains were all taken off, the freight rates would go up.

If we were to send you nothing but the advertisements, the advertisers would have to pay more for the service.

There is a railroad to the top of Pike's Peak that carries passengers, and probably carries little or no freight. The fares are higher than on other roads, and when you get to the end of the road there is just a magnificent view but no business, or any way to earn a living.

There are a few publications without advertising, but they are expensive, and after you have read them you have only a beautiful theory, but no way to put it into practice.

Freight trains on the railroad are intensely practical and useful to the people who ride on passenger trains and who need food and clothing and furniture and all manner of things that the freight train carries.

The advertising pages of The Grain Growers' Guide are intensely practical and useful to the people who read the editorial matter and who need farm implements and incubators and seed and automobiles and cream separators and building material and food and clothing and scores of other things that are described in the advertising columns by advertisers who are reliable.

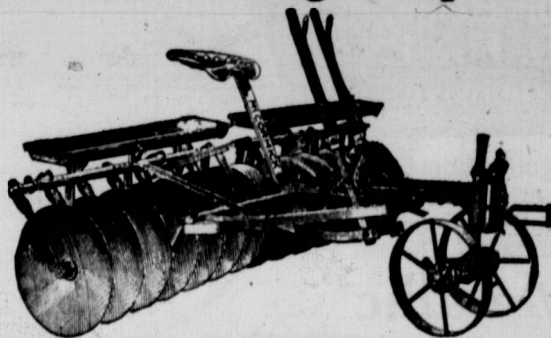
lency counts oftentimes a very great deal, and it is difficult to estimate exactly the value of getting work done on time. This is where mechanical power properly operated is extremely useful. Another factor which should be taken into consideration is that with the right kind of a tractor there is no excuse for doing poor work with a power outfit. The plows, if set right, will turn the ground over to the desired depth, and a good seed bed can be readily obtained. The engine can, if necessary, be put to do other work around the farm, but this will necessitate buying more special machinery.

If it is decided that a tractor can be economically used, the next question to consider is the size of outfit suitable. Generally speaking, the present day opinion amongst farmers is that a small 12 to 18 horse power outfit is the most satisfactory for general use. The claim is put forward that such a tractor is light, takes the place of a four-horse team, is easily handled, will not readily mire, can be used economically to run the chopper, wood-saw and, belted to a line shaft, many other handy devices by means of which farm work can be considerably lightened. These light engines will doubtless do all that the manufacturers claim for them, but there are a few facts which a man should consider before finally deciding on the engine best suited to his requirements. One of the most expensive items in present-day farming is the cost of upkeep and depreciation of implements. Machinery, no matter how well kept, will need replacing in a comparatively short time, so that in buying implements of any kind the first care should be to obtain the most durable ones possible. It is recognized that plowing is one of the most important and at the same time the hardest and heaviest jobs on the farm. The heaviest horses are always used on the plow, because it is the weight which they are able to throw into the collar which helps to move the plow without obliging the horses to strain and pull with their muscles. The parallel with the tractor is not just the same, since the matter of absolute weight is not the determining factor in the ease with which the engine can do its work, but an engine which is built with a solid and substantial framework must be less liable to vibration and hence more resistant to wear from that source than one built less heavily. Wear and tear are the expensive items to consider when operating machinery of any kind. In order to reduce this to a minimum, any implement bought should be thoroughly understood before it is used a great deal.

## Success Depends on the Operator

The success or failure of an outfit depends very largely upon the operator. The engine can be depended upon to run as long as it is properly cared for. A gas engine must have gas and a spark before it will run at all, and the gas must be fed in the right proportion and the spark occur in sufficient intensity at the proper time. Enough lubricating oil must be used to keep the parts cool, and water must always be kept in the water jacket. There is another point which might be emphasized, too, in this connection. In order to ensure having the engine run smoothly, advantage should be taken of any of the devices on the market at present which tend to lessen the amount of extra work which the engineer has to do outside of attending to the actual running of the motor. On the ordinary tractor most of the engineer's attention must be given to steering a straight course alongside the furrow, so as not to miss any part of the field. Today there are devices which act as automatic guides, and such if used will enable the outfit to do a much superior job to any hand steering which can be done. Attempts at guiding the tractor by hand and the use of unreliable self-steering devices are largely responsible for the reputation the tractor has for doing poor work in the field. A self-steering device, such as that illustrated on the Farm Experiences page, will not only enable the outfit to do better plowing, but it will also allow the engineer to properly attend to the engine, keep it well lubricated and adjusted so that the highest efficiency can be obtained. The cost of such a device is well under \$25, and it is a mistake for any tractor

## McCormick Tillage Implements



IT is now a well-known fact that the disk harrow, if properly used, will do more to better the chances for a good yield of grain than any other farm implement; therefore, every farmer should own and use a disk harrow. The disk harrow has many uses, some of them requiring great strength, others nicety of adjustment; therefore, every farmer should own a McCormick disk harrow which combines these important features.

The McCormick disk harrow is strong enough in every part to stand up under the strain of following the binder or slicing meadows before plowing. The disks can be adjusted to any angle necessary for good tillage, and at any angle the gangs will work level in all kinds of soil. A constant, direct, right-angle pull on the bearings prevents all unnecessary friction, and makes the harrow that much easier for the horses to pull.

The McCormick local agent will show you these features and others just as strong when you ask him to. He handles the full line of McCormick tillage implements, disk harrows, peg-tooth and smoothing harrows, drills and cultivators. See the McCormick line before you buy. Write to the nearest branch house for catalogues and complete information.



International Harvester Company of Canada, Ltd.

Brandon, Man.; Calgary, Alta.; Edmonton, Alta.; Estevan, Sask.; Lethbridge, Alta.; North Battleford, Sask.; Regina, Sask.; Saskatoon, Sask.; Winnipeg, Man.; Yorkton, Sask.

Let Us Do Your Repair Work  
and Save You Time and Money

Just the facilities you require.

Oxy-acetylene Welding done by competent workmen.

Have your Grain Crusher Rolls re-cut here.

New Pistons made and Cylinders re-bored.

Engine Crankshafts turned up. All bearings.

All classes of Gears, Sprockets and Machinery Castings made.

Stay Bolts, Studs, Flues, Grate Bars, Flame Sheets and Forgings made.

Try us once for our Mutual Benefit.

Our plant consists of machine shop, modern foundry, pattern shop, blacksmithing and oxy-acetylene welding plant. Our motto is:

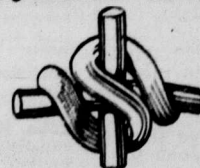
"SATISFACTION AND SERVICE"

PRICES ON APPLICATION

JOHN EAST IRON WORKS - 119-121 Ave. C.N., Saskatoon, Sask.

## IDEAL

A Sure Symbol of Quality is



The "S" Lock

Write for Catalog and Prices to

The Ideal Fence Company Ltd., Winnipeg

Quality Fence 18c a Rod and up. We pay the freight

## ALBERTA FARMERS!

Write for full particulars

**Cream Wanted**

I pay cash on arrival

**SHIP TO CALGARY**

P. PALLESEN, Calgary Central Creamery, Box 274, Calgary, Alta.