

## Are You Saving Up?

If you are we can help you, and if you are not now is the time to begin.

If you want a .22 rifle, a bicycle, or any of the things all boys like to have, you can earn it yourself in spare time, instead of waiting for someone to make you a present.

One of our boy agents earned \$2.50 the first afternoon he tried our plan to help him make money, and a girl of ten made \$8.00 in fifteen days. Another boy made \$30.00 in two months in his spare time.

Lots of others are doing as well and better than the instances given.

### You Can Do as Well

It doesn't require anything more than a little work, which you can do at odd times. Any boy or girl with average ability and the desire to succeed can earn enough by securing new subscribers to the Farmer's Advocate and Home Magazine to be able to buy any of the things you have been saving up for.

### From Nova Scotia to British Columbia

Boys, girls, and older people too, are helping the work of The Farmer's Advocate and getting money to buy things they want by seeing one or two people each day and telling them about the paper which has been fighting the farmer's battles for over fifty years.

### If You Want Some Money

Cut out the coupon and send it to us and we will give you full information and instructions.

## Coupon THE FARMER'S ADVOCATE AND HOME MAGAZINE, London, Ontario

Gentlemen:—I want to earn money by securing new subscribers to The Farmer's Advocate. Please send me instructions.

Name..... Age.....

Address.....

Name of Subscriber.....



**Factory Equipment on more than 1½ million Fords.**

The Ford car has been developed from the point of engine efficiency.

**Champion**

**Dependable Spark Plugs**

are factory equipment on all Ford cars as an important part of that efficiency. Every Ford owner who would preserve that efficiency should insist that his replacements be Champion "X" plugs. The patented asbestos-lined copper gaskets, an exclusive feature in all Champions, protects the porcelain and gives long and dependable service. Look for the name "CHAMPION" on the porcelain. It guarantees "Absolute satisfaction to the user, or free repair or replacement will be made."

Sold by dealers everywhere.

The following is quoted from the instruction book in each Ford car:

"There is nothing to be gained by experimenting with different makes of plugs. The make of plugs with which Ford engines are equipped when they leave the factory are best adapted to the requirements of our motor."

Champion Spark Plug Co.  
of Canada, Limited,  
Windsor, Ont.

## Machinery to Save Man Labor.

Necessity is said to be the mother of invention and this fact is being proven in this time of labor scarcity. Not only are larger machines used on the farms to do the work but every industry is finding ways of using machinery to replace man power. At some railroad terminals where a large number of men were required to handle the immense quantities of freight the electric tractor or what is sometimes called the "trackless" train is being used to advantage. The following paragraphs appeared in "Marine Engineering."

"An interesting example of the unusual practicability of these machines is at Piers 4 and 5, the Pennsylvania freight terminal, in New York, which was one of the most congested railroad freight terminals in the country. Here the installation of the tractors and the 'trackless-train' method of industrial haulage has almost doubled the capacity of this terminal, and the increased tonnage is now handled with about half as many men as were formerly required.

"This remarkable change was brought about by the employment of four small electric industrial tractors and 225 trailer-trucks, rebuilt from the old four-wheeled hand-trucks formerly used, and the utilization of the 'trackless-train' method of haulage, which is in its essentials the same as that of a railroad, the difference being that this system is not—as is the railroad—restricted to rails, and as a consequence is more flexible, and so more efficient.

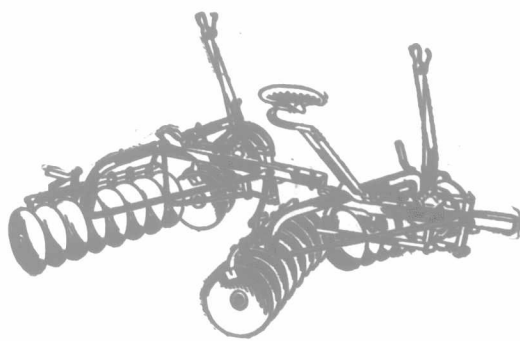
"Under the old system of hand-trucking, 105 men were required to move about twenty-five car-loads of freight across the platforms and into the cars themselves. Now, with the new system in operation, only one hundred men are needed to load forty cars with 440 tons of freight in the same time.

"Being convinced of the soundness of the 'trackless-train' method, the officials in charge of these piers laid out the work in conformity with the method, and again the railroad system, in a general way, was used. They realized that to make the tractors most efficient they must be

## "Bissell" Disk Harrows

The Bissell Disk Harrows have great capacity for hard work, the disk entering the ground naturally and leaving behind it a finely pulverized soil.

This is the secret of good tillage.



The frame on the Bissell Harrow is directly over the gangs, the draught being well back where the work is being done. The horses do not have to carry the weight of the pole, levers, braces or frame. This feature is important, and herein lies one great advantage of Bissell Disk Harrows.

For over a quarter of a century the manufacturers of Bissell Disk Harrows have made a special study of this particular implement and spent years of time and effort in perfecting the present Bissell Disk Harrow. The result is that to-day it is acknowledged to be far in advance of any other similar implement for cultivation.

### THE ESSENTIAL FEATURES

The Bissell Disk Harrows combine the important features of great capacity for hard work, thoroughness of cultivation, lightness of draught, ease on the horses, and strong, substantial, durable construction. Built also in sizes suitable for use with Tractors.

**T. E. BISSELL CO., LTD., ELORA, ONT.**

kept busy, so regular schedules were established and retained. Trailers were loaded at the point of origin and prepared for the tractor, which picked them up and deposited them at the destination, returning to the point of origin with empties, which were dropped and a new and loaded train pulled away to its destination, and so on interminably. The tractor was always busy, and because of this fact reached and retained a point of high efficiency.

"The tractors in this instance not only reduced the number of men required for the work, but cut operating costs in increasing capacity, and relieved congestion, which had, prior to this time, greatly handicapped the work.

"Examples of 'trackless-train' efficiency such as this are numerous and are not confined to any one industry, for the system and equipment are practical for almost any case where haulage is to be done either in shipyards or at terminals.

"The cost of operating the tractors themselves is about equal to one man's wages, \$3 to \$3.50 per day, and such trifling expense is inconsiderable when compared to the savings possible."

Kirsty Macdonald, who lived in a remote Highland parish, had a visit from her Edinburgh nieces, who were to spend a week or two with the old lady. So she determined to show them off on Sunday at the village kirk of Lochaber. The young ladies wore costumes of the purest snowy white. At one point of his sermon, the minister, in speaking of the angels of heaven, said: "And who are they in white array?" To the consternation of the congregation, Kirsty said: "It's ma two nieces, sir, from Edinburgh."

Gen. Sir William Robertson has been appointed to command the forces in Great Britain in succession to Field Marshal Lord French who has been appointed Lord-Lieutenant of Ireland.