

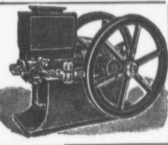
## Monarchs—the Cure for Farm Drudgery

A post-card-to-day starts you on the road to get a perfect farm engine—best made, best designed, best handled. Why drudge at chores like pumping, sawing, pulping, grinding chop, etc., when a "Monarch" makes this hard work easy? Sizes from 1½ to 35 horse power. Fuel cost 10c a day or less.

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CANADIAN ENGINES Limited - DUNNVILLE, Ont.

Frost & Wood, Limited, Smiths Falls, Sole Selling Agents from Peterboro East to Maritime Provinces. Write them or us.

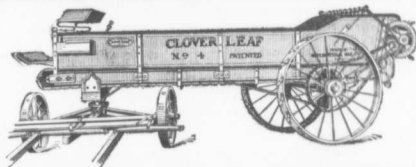


## Cheap Profitable Farm Lands

For Stock, Poultry and Hog raising, Dairying, Fruit growing, Truck Crops, Alfalfa yields and General Farming, the SOUTHEASTERN STATES present soil, climatic and market conditions unsurpassed by any other region. Farm land values are most tempting. Undeveloped tracts sell from \$6 an acre up; improved properties range from \$40 to \$20 per acre.

**THE SOUTHERN RAILWAY**  
Mobile & Ohio Railroad or Georgia Southern & Florida Railway will help you find a desirable farm location where two and three crops grow annually. Alfalfa produces 4 to 10 tons, Corn yields 60 to 100 bu. Truck crops make \$100 to \$200, Apple Orchards \$100 to \$200 per acre. Beef and Pork are produced at 3 to 4 cts. per lb. Let us know in what state and branch of farming you are interested. Information given and free publications furnished on application.

M. V. RICHARDS, Land & Industrial Agent, Room 30 Washington, D. C.



## An IHC Manure Spreader is An Investment—Not an Expense

A MACHINE that makes two dollars where only one was made before is a good investment. Careful tests made at the Ohio Experiment Station showed an average increased crop yield of \$15 an acre when eight loads of manure were properly spread. Spreading with a fork, it would take at least sixteen loads to an acre to produce the same result. It is easy to see that by fertilizing twice as much ground with the same quantity of manure, an IHC manure spreader soon pays for itself. Add to this saving an increase of \$15 an acre in the value of your crops, and you at once see why we urge the purchase of an

## IHC Manure Spreader Corn King or Cloverleaf

IHC spreaders are made to do their work well. Ask the IHC local dealer to show you the self-aligning removable boxes on the main axle; notice that the axles have roller bearings to reduce the draft; study the apron construction, and note the large rollers on which it runs. These rollers lighten the work of the team to a very great extent.

There are a number of other features which are exclusive to the IHC line of spreaders. If you appreciate machines of extra merit, machines that spread manure in ample range of quantities; machines which can be equipped with drilling attachments for use on market gardens, and above all, machines which are made in sizes convenient for every farm, investigate IHC spreaders. Go to the local IHC agent and look carefully over the machine he shows you. Get catalogues and full information from him, or write the nearest branch house.

CANADIAN BRANCH HOUSES:  
INTERNATIONAL HARVESTER COMPANY OF AMERICA  
(Incorporated)

At Brandon, Calgary, Edmonton, Hamilton, Lehighville, London, Montreal, N. Battleford, Ottawa, Quebec, Regina, Saskatoon, St. John, Weyburn, Winnipeg, Yorkton

The purpose of this Bureau is to furnish, free of charge to all, the best information obtainable on better farming. If you have any worthy questions concerning drainage, irrigation, fertilizer, etc., make your inquiries specific and send them to IHC Service Bureau, Harvester Building, Chicago, U.S.A.



## HORTICULTURE

### The Coming Fruit Show

The Ontario Fruit, Flower and Honey Show, held at Toronto each year, has come to be regarded as an educational institution that we could not very well do without. The remarkable growth of this Fair in the last few years has only been in keeping with the new interest that fruit growers are taking in up-to-date and progressive methods. Not only have the quality of exhibits continually improved, but the number of districts represented is ever on the increase, thus showing that even in outlying fruit sections cultivation, fertilization and spraying are taking their proper place in orchard practice. The management of the show predicts that the exhibit of flowers and fruit this year will be much ahead of any previous year. Practically every fruit growing county in Ontario will be represented by large exhibits and the other provinces of Canada as well will endeavor to show to fair visitors the kind of fruit that they produce.

It has been impossible to secure a building large enough for the numerous exhibits in the centre of Toronto and accordingly fair visitors this year will take the cars for the exhibition grounds. This need not cause visitors any great inconvenience as the street railway company have agreed to furnish a special service during the time of the fair, November 12th to 16th. Single fare railway rates will be in force from all points in Ontario. At the fair there will be music every afternoon and evening. A bigger attendance than ever before is expected.

### To Prevent Sunscald

Sun scald has done great damage in our orchards. It will continue to do damage, until we apply ourselves energetically to its eradication. The following letter, recently written by I. F. Metcalf, B.S.A., District Representative of the Ontario Department of Agriculture, to the fruit growers of Manitowlin Island, will be of interest to fruit growers everywhere whose trees suffer from sunscald:

"You may have had trouble with some of your younger trees dying this season and did not know what was the matter with them. Perhaps you thought it was blight, when it was something else. You find the cracks in the limbs—also, in some cases along the limbs—sprung where the bark is dead and shrunk, it is probably sunscald that did the damage. In many cases you find the limbs almost cridled from the effects of the sunscald.

"Sunscald is caused by getting a few very warm days early in the spring, such as you had last March. The injury is started by the heat of the sun, then cold weather sets in, and the sap freezes. Most of your trees will stand lots of cold, but will not stand the combination of heat and cold.

"CUT OUT AFFECTED PARTS  
"The injury usually happens on the south or south-western side of the tree. The first thing to do is to cut out the dead bark and put on a poultice. In many cases the injury is so bad that the only remedy is to cut off the whole top of the tree. This will force new shoots to grow out from the sides of the old trunk and in a very short time you should have a new top on the tree since all the energy of the old trunk and roots will be devoted to producing this new growth. Prevention is much better than the cure. Prevention consists in protecting the tender wood from the rays of the sun. This may be done by en-

closing the trunk and crotches with corn stalks, building paper or shingling by nailing two boards together in a V-shape and planing upright on the south side of each tree.

### SIMPLEST METHOD OF ALL

"By far the easiest and simplest method is to give the trees a coating of whitewash the last thing in the fall, so that rain will not wash it off. This white color will throw off the sun's rays instead of absorbing them, and the shape acts as a protection and also protects the buds starting too soon in the spring. Every person having an orchard of young or tender trees in this northern district would do well to make a practice of applying whitewash to his trees the last thing every fall.

"Of course there is only one way of applying the whitewash satisfactorily, and that is by means of a spray pump. This does not need to be a large outfit but should have plenty of power (or pressure as it is called) for its size. Such an outfit I have been using this past season (Spraymotor No. 0) should be a very satisfactory outfit. If you have not purchased a spray outfit yet, I would advise you to go in with one or more of your neighbors and buy one of these pumps. It will be of use to you in spraying lime and sulphur in the spring for the oystershell bark louse, and in spraying lime and sulphur and senesate of lead at the time the blossoms fall to prevent codling moth (the worm in the apple) and scab. It would also come in handy for the whitewash your sheds, stables, etc., and in many cases in using mineral paints."

### Our Front Cover

The executive of the St. Thomas Packing Co., as illustrated on the front page of Farm and Dairy this week, are: No. 1, John Lyle, President; No. 2, W. H. Moody, Mgr.; No. 3, John Fulton; No. 4, Malcolm Munro; No. 5, Orvell Burgess, Directors.

### The Charming Winter Resorts of California, Mexico, Florida, etc.

Now is the time to take advantage of a trip to a milder climate and escape the cold winter months. Round trip tourist tickets are issued by the Grand Trunk Railway to California, Mexico, Colorado, Pacific Coast Points and the Sunny South, at low rates, giving choices of all the best routes. Features in connection with this route: only Double Track Line to Buffalo and Chicago; Fast Service; Modern Equipment; Unexcelled Dining Car Service; Relaxing Electric Lighted Sleeping Cars; All elements of safety and comfort. Address nearest Grand Trunk Agent for full particulars, or write A. E. Duff, D.P.A., Union Station, Toronto, Ontario.

### GRAND TRUNK RAILWAY SYSTEM

### Winter Tours to California, Colorado, Mexico and Pacific Coast Points

The Grand Trunk Railway is the most direct route from all points East through Canada via Chicago.

### FEATURES

Double Track Fast Service, First Class Roadbed, Modern Equipment, Unexcelled Dining Car Service, All elements of safety and comfort.

**TO THE SUNNY SOUTH**  
No more desirable route than the Grand Trunk to Detroit, then on to Buffalo, Niagara, and Chicago, New York, New Jersey, New South, etc.

Round trip tickets, giving choice of all elements of safety and comfort, information and reservations, may be obtained from nearest Grand Trunk Agent, or write A. E. Duff, D.P.A., Toronto, Ont.

## PUBLISHER

### The Great Pri

There has been a great entry list in our 8th year, and there certainly are prizes great enough to give away \$1000 new value. It will get its friends to read wants to help him and many of them to expect that to really there is something in it. Well, here a well worth working for to buy what you want are wonderful; think \$100 horse and bugaboo subscriptions at a discount on the horse and a \$350 Art Piano (with less than that in contributions. There are watches and cameras to give to our son for only \$500. Several hundred are going to thank F. when the contest is over. Get your own copy now.

**GOOD MANY DISTRICTS**  
Though we have galleries, there are a great number of people to a single contestant.

pretty big from N. S. is the chance for many prizes to be much upon the very beginning of there is lots of oppor-

**EASY TO**  
It is easy to get into contest. Every dairy glad to give a trial to is published just for you tell him you are in this contest. Every one who are getting lots of your friends and relatives take a list of people who get orders for you have so many things Farm and Dairy; no more has done so much for some prizes.

Farm and Dairy is brings success; over 20 successful dairy farmers and get orders for you tell his readers all the gained success for advice to some helpfully. Farm and Dairy is secured Rural Press farmers of Canada, vantage of the Grand Trunk Farm and Dairy for them. It will so the country, thanks to this paper.

Farm and Dairy security inspection, which unsanitary, dirty farms were once a disgrace to communities. Farm and the appointment of a farmer to find why Denmark was forcing on England, our Farm and Dairy security of cheese make get the best makers in Farm and Dairy helpstratification of districts in the sand. OTHER FARMERS SUCH A RECORD. Tell your neighbors—subscriptions—win a prize. Name on the entry list. Prizes—win a prize. Light is the best. Cheapest of health insur few holes in the wall and insert a wire.