

COLUMBIA batteries

Plow Along!

Thousands of pounds of Tractor are dead without a few ounces of Batteries. Get good Batteries—Columbia Batteries—cost no more—last longer.

Made and signed by the largest dry-cell works in the world. Sold and used for all battery purposes everywhere. Insure satisfaction by insisting on Columbia Batteries.

Made in Canada by Canadian National Carbon Co., Limited, Toronto, Ontario.

Convenient Fahnestock Springs 4 1/2 lb. Shipping Posts, no extra charge.

No. 6. COLUMBIA IGNITOR DRY CELL FOR GENERAL IGNITION

Manufactured by NATIONAL CARBON CO. CLEVELAND, OHIO

Questions and Answers. Miscellaneous.

Building Up Peat Land.

Can you recommend any special way or method to work or build up peat land for culture? A. R.

Ans.—On boggy land which is being prepared for growing vegetables and celery, it has been the custom to first seed it down to timothy and take, in most cases, three crops of hay off the land. This practice results in breaking up the peat, which overlays deep strata of the real black-muck soil. An application of lime of from ten to fifteen hundred pounds, or as much as one ton per acre, would not be out of the way. This would break up the super-abundance of organic matter in the upper layers, and render it available at once for growing vegetation. A little manure on peat land inoculates it with organisms that bring about decomposition of the organic matter. Usually barnyard manure is out of the question, and one must resort to lime and growth of some plants, such as timothy or corn, to use up the large amount of organic matter, and bring it down so it will have a reasonable percentage of mineral ingredients.

Fertilizer for Vegetables.

Would you kindly advise what fertilizer would be best for potatoes this year, as we cannot get potash? Also what would you recommend for carrots, turnips, and sugar beets? A. H. T.

Ans.—A good fertilizer for potatoes where potash may be obtained is 130 pounds of nitrate of soda, 370 pounds of acid phosphate, and 160 pounds of sulphate of potash. Potash, of course, is practically unobtainable this spring, but the nitrate of soda and acid phosphate are perhaps as necessary as ever. In the absence of wood ashes also, all there remains for farmers to do is to get as much potash out of the soil as is possible to do. In order to do this, barnyard manure and lime must be requisitioned in fairly liberal quantities. Of course, the manure question is always a puzzler, but one can obtain lime. We would advise using the mentioned amounts of nitrate of soda and acid phosphate along with from one-half to a ton of lime per acre. Basic slag contains a considerable amount of phosphoric acid, and a large percentage of lime, and might replace part of the acid phosphate mentioned in the formula. In this case, less lime would be necessary. Basic slag is not so prompt in its action as acid phosphate, but it is nevertheless good fertilizer. Some soils contain as much as 12,000 lbs. of potash per acre to plow depth, and it must be gotten out in this time of scarcity of potash salts. Carrots, turnips, and sugar beets require about 130 lbs. of nitrate of soda and 400 lbs. of acid phosphate, together with 120 lbs. of muriate of potash per acre. The potash in the case of sugar beets should be applied as sulphate of potash. The nitrate of soda and the acid phosphate are still necessary, and still obtainable, but the acquisition of potash depends upon the manipulation of the soil. Mixed fertilizers are sold which contain a fair amount of potash, and it might be well to look into the analysis of some of these offerings and use a commercially-prepared fertilizer.

Gossip.

THE FIRST TELEPHONE.

The inauguration a short time ago of long-distance telephonic connection between New York City and San Francisco, with Dr. Graham Bell, the inventor, at the former end of the line, recalls that the first working telephone was installed at Brantford, Ont., extending a few miles out, in August, 1876. One of the present editors of "The Farmer's Advocate," on a visit to Brantford at the time, had the unique experience of talking over the new invention, and had perfectly distinct replies from a voice at the Mt. Pleasant end. Dr. Bell expects that talking across or under the ocean will be achieved.

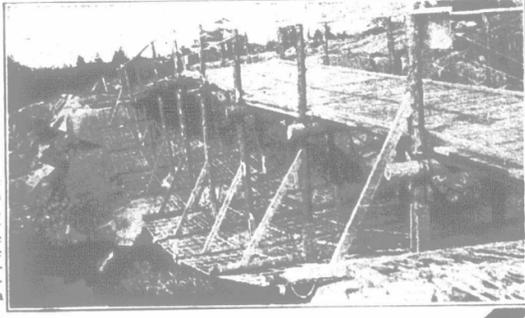
Canadians

are loyal to the colors; loyal to their citizenship; loyal to business enterprises of the Provinces; every patriotic appeal finds a ready response in a Canadian's heart.

We are Canadian manufacturers; we have been doing business in Canada for many years, making Canada's fence, and we are grateful for the patronage accorded us during these years from our Canadian friends.

Now is the time to stand by Canada's interests. We are doing our part to maintain a business regularity, and are manufacturing such a good line of fencing that it is worthy of special mention in connection with Canada's future relations to the Nations of the world. Read this interesting letter, observe the illustration, and then ask yourself this question: "Is not a fence made of material good enough for such an important purpose the kind that should be used by every Canadian?"

Kingston, Ont., 1914.
Banwell-Hoxie Wire Fence Co., Ltd., Hamilton, Ontario



Gentlemen—I thought you would be interested in the use we are putting your wire to. The Engineers, Queen's University, have practical work in the field. This year, under the supervision from the Engineer of the Military Department, they undertook to build a bridge.

The stretch is 110 feet and the bridge is 20 feet wide. They used 240 rods. They laid the mesh 5 widths side by side, and 5 layers, making in all 25 lengths of 8 wires each or 200 wires in all, binding them up together at every two or three feet, and then putting the uprights on as you see, and then stretching a wire along the top in the ordinary way as protection. They are now at camp time, when the Rurals come into camp, march the artillery across it and put some gun cotton under it and blow it up. They estimate it capable of carrying a load of 60,000 lbs., or a body of soldiers at close marching order. You can use these photos in anyway you see fit, or if you want I could send you the negative. Yours truly,
(Signed) W. A. Mitchell.

Why Peerless Fence Gives Such Good Service

We build it twice as good and strong as is necessary under ordinary circumstances. We build it of heavy type Hearth steel wire with all the impurities burned out and all the strength and toughness left in. Heavily galvanized. Every intersection is locked together with a Peerless clamp. All wires used in making Peerless-Farm and Peerless-Fencing are extra heavy—extra strong. Consequently fewer posts are required. Peerless fencing can't sag—can't rust—can't get out of shape—can't help giving absolute satisfaction. Catalog giving details on request. Describes our farm, poultry and ornamental fencing. Also Peerless farm gates.

Agents wanted everywhere. Agents wanted in all unassigned territory.

The Banwell-Hoxie Wire Fence Co., Limited
Winnipeg, Man., Hamilton, Ontario



WANTED

1,000 Chauffeurs

By the British Government

Let us qualify you either to go to the front or take the place here of others who have gone—good chauffeurs are scarce. All makes of Gasoline Motor Engines, repairing, etc., thoroughly studied. Our diploma qualifies you for Government chauffeurs' license examination. Write to-day for particulars and free booklet. Classes now starting.

ED. W. CAMERON, Principal
Toronto Automobile School
86 Wellington St. West, Toronto, Ont.

SEED OATS

DALMENY.—A new Scotch variety introduced 8 years ago. Winner in field competitions; splendid yield; fine, clean, strong straw; plump seed; one of the heaviest varieties; excellent meal quality; every customer well pleased. Price, 90c. per bushel.

O. A. C. No. 21 BARLEY

Canada's best barley, splendid sample grown from registered seed. Price, \$1.25 bus. Bags free with 5-bus. lots or over. Send for samples.

YORKSHIRE SWINE

W. T. DAVIDSON & SON, Meadowvale, Ont.

BOOK ON DOG DISEASES

And How to Feed

H. CLAY GLOVER, V. S.
118 West 31st Street
New York

Mailed free to any address by the author.

Cotton Seed Meal

\$31 per ton F.O.B. Forest

H. FRALEIGH, Box 1, Forest, Ont.
Also dealer in Flax Seed and Linseed Meal.

STAMMERERS

can be cured, not merely of the habit, but of its cause. The Arnott Institute has permanently restored natural speech to thousands—is doing it to-day. Write for full information and references to

THE ARNOTT INSTITUTE
Berlin Ontario, Canada

Look Out For

The Imperial Life Assurance Company's big advertisement in next week's issue, entitled:

"That Boy of Yours"

It has an interesting message for YOU

We require parties to knit Men's Wool Socks for us at home, either with machine or by hand; especially for war purposes. Write for information. The Canadian Wholesale Dis. Co., Dept. A, Orillia, Ont.

Please mention "The Farmer's Advocate."

MONEY IN YOUR SUGAR BUSH

Preserve the real maple taste in your maple syrup by boiling it down in the

PERFECT MAPLE EVAPORATOR

Simple to operate, price so moderate that anyone can buy. Made of first quality material. Sold you direct. Makes the small bush profitable.

Every one guaranteed. Order now and be ready to take care of your early runs of sap, the best and most profitable you get. Write for pamphlets to-day.

The Steel Trough & Machine Co., Limited, 145 James St., Tweed, Ont.

When Writing Advertisers Please Mention The Farmer's Advocate.