1022 (10)



Look into the matter. The more you in-vestigate, the more Jerseys you'll buy. Booklet of facts on request.

CANADIAN JERSEY CATTLE CLUB R. REID, Secy., Berlin, Ont.



STOCK MARKS. Metal ear tags for cattle, sheep and hogs. A spiendid safeguard against bother and loss. Sample and circular free, write for them. F.G. James, Bowmanville, Ont



SEALED TENDERS addressed to the statigned, and endersed Tonder for Extension to West work work to the total SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Cobourg Harbour Estension to West Office until 460 p.m., Wednesday, October 16th, 1912, for the construction o an es-tension to west breakwater at the en-trance to Cobourg Harbour, Northumber-land County, Ont.

and County, Oni. Plans, specification and form of con-ract can be seen and forms of tender biained at this Department and at the efficient of J. G. Sing, Eeo., District Engin-er, Confederation Jife Building, Toronto, Inter, Morchant Bank Building, Mon-timer, Morchant Bank Building, Mon-timer, Morchant Bank Building, Mon-to, Chourg, Con-Colourg, Con-Colourg, Con-Chourg, Con-tender Colourg, Con-tender States and Colourg, Con-Con eer, i

Postmaster at Cobourg, Ont. Persona tendering are notified that tenders will not be considered unless made on the printed forms supplied, and signale with their actual signatures, stat-ing their occupations and piaces of resi-dence. In the case of firms, the actual signature, the nature of the occupation, and pilone of residence of each member beach must be given.

of the firm must be given. The second second

By Order.

R. C. DESROCHERS, Secretary.

Secretary. Department of Public Works, Ottawa, September 19, 1912. Newspapers will not be paid for this advertisement if they insert it without authority from the Department.-27878.

FARM AND DAIRY

Danish Cooperation

The cooperative movement in Den-mark, fostered by Bishop Grundt-wig's high schools, began by the or-ganization of small societies of farmers of various districts. In these each man was allowed one vote, but he guaranteed that he would supply to the cooperative creamery just so many pounds of butter fat-butter fat be---and make himself hable independ-ently, plus the unlimited liability of the cooperative society to the govern-ment bank for the amount of the capital borrowed. The province of the bank in this transaction is not the the bank in this transaction is not the main thing to be considered. The bank must make a fair profit, but the bank really exists for the benefit of the farmers through the coopera-ive societies, which they themselves formed and which they themselves govern.

ADVANTAGEOUS BUYING

AWATAGEOUS BUTYING To-day the Danish farmer buys nothing individually. He uses no seeds till they have been tested by the experts furnished by the cooper-ative society. He buys his fertilizers, soy beans from the United States through the cooperative society. He there are 50 hogs to every 1,000 per-sons in Denmark, but sends then to the cooperative bacon factories, which the cooperative bacon factories, which were founded some time in the eightwere founded some time in the eight-ies when Germany refused the Dan-ish hog because of an outbreak of swine fever. The Danes instantly founded, with the assistance of the government, large cooperative bacon factories. In order to make dairying pessible the Danes had to regenerate the land exhausted by the lack of

ate the land exhausted by the lack of scientific treatment. Denmark is not a good grazing country. The climate, for grazing purposes, is probably the worst in the world. There are only 14 weeks in the year when cattle can graze in the open. In the sixties and seventies

Don't Cut Out A SHOE BOIL, CAPPER

ABSORBINE



the Dane-lately in possession of his land-found that he must root or die, or become an exile, as the Irish were, for the lack of assistance from an intelligent government. He rooted. That is, he saw the roots—the turning, the carrot, and, above all, the great sugar-beet root—could be used not alone for feeding his dairy cattle. but could be made most useful in re-storing his exhausted soil; but he did nothing at haphazard.

Being an educated man, he was an openminded man and he induced his government to furnish scientific ex-perts who could finally answer any certs who could finally answer any question he might ask. As an an-ample, let us take the small farmer with three cows, three hogs, four nead of small cattle, and a horse or two. He farms perhaps 12 acres. Now, it is a question with him as to the rotation of his crops; it is a ques-tion as to the amount of butter fat that cow should produce. He has, through the cooperative society, the use of a scientific expert, who visits his farm every 18 days and answers all these questions after consultation his farm every to days and answers all these questions after consultation with him. Furthermore, he keeps a duplicate set of books for the farmer, so that the farmer knows exactly the amount of butter fat each cow yields amount of butter rat each cow yields every week, when the cows are ex-pected to calve, the value of the ser-vice of every bull in use, and the exact position of the farmer econ-omically and agriculturally. For this service the farmer pays the expert 30 service the farmer pays the expert so cents yearly per cow, the government paying the rest of the expert's salary -the expert being attached to the Royal Danish Cooperative Society. Demark is a country which com-prises 15,000 square miles, which is, suppose, about four times the size

suppose, about four times the size f Delaware. It supports at least 2,500,000 persons in very good condi-tion, and sends out of the country each year, at a conservative estimate, \$150,000,000 worth of butter bacon, and eggs.—Farmers' Review.

Water for the Dairy Cow

H. E. McNatt, Dairy Department,

University of Missouri It is very important that the water drunk by the cows giving three or more gallons of milk daily be warmed more gallons of milk daily be warmed to about 00 deg. F. Otherwise the cows will not drink as much as they need to keep up a good milk flow. It does not take much ice water to chill a thin-fleshed dairy cow through and through on a cold winter day, especially when she is compelled to walk some distance through the honey or a cutting wind to act as the back or a cutting wind to get to the tank or pond.

Experiments made at the Missouri Experiments made at the Missouri Station show that drinking water is needed in proportion to the milk yield. That is, a cow giving six gallons of milk a day, needs about twice as much water as a cow giving three gallons a day. If the water is too cold to be comfortable if drunk is here our puttien the core mill and in large quantities, the cow will not drink enough, and as a result, will drink enough, and as a result, will drop considerably in her milk yield. When our Holstein cow, Missouri Chief Josephine, was giving about 100 pounds of milk each day in winter she drunk daily about 31 gallons of water. Imagine how she would have suffered if that had been ice water. It was warmed, however, and Joseph-in-dia deu chill after drinking. It was warmed, however, and Jo ine did not chill after drinking.

Percherons .--- In reporting the horse Percherona.—In reporting the horse exhibits at the Ottawa show, we in-advertently overlooked giving credit to Mr. J. E. Arnold, of Grenville, Que., for winning first prize and gold medal given by the Percheron society of America, on his big dapple grey stallion, "Marquis," 48598, this horse winning over Wm. Pears' en-tries which were incorrectly given credit for winning all the special prizes offered by the American Society.

October 3, 1912. IT PAYS

GET THE BEST!



Mr. Geo. Lucan, who lives at Wilton. Ont., has a good horse now that he would not have had without Douglas' Egyptas Liniment. He says: "My horse ran away and was so severely cut and torn on a barb wire fence that I believe he would have bled to death had my son not prohave bied to death had my son not pr-cured Egyptian Linimest and syringed the contents of a bottle into the cut which stopped the flow of blood at one. This happened in August and I expects if the horse lived he would be a cripped for life, but thanks to the Linimest, scarcely a scar can be seen. "All the people about here know her badly he was cut."

badiy he was out." This power of stopping bleeding at one, and healing a wound without proud feel and almost without a scar, makes Dou-las' Egyptian Liniment invaluable to the who keeps horses, cattle or stock

25c at all dealers. Free sample equest. Douglas & Co., Napanee, On



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Canadian Kodak Co., Limited TORONTO, CAN.

October 3, 1

********** POULT Selecting

F. Eaton, C most a determining which laying eggs and boarders is the of us, however, wonly a side line running into the 30 or 40 minutes. tecting our best I have found that carefully when a house it is easy, t

The following which indicate an Birds that want months each year



A Bees do not recei have a few hives fu and can be had pra illustration herewith Peterboro Co., Ont.

yearly yield. Loaf of scratching for th birds to roost in th ast off in the mor dications of poor 1 The busy hen is the Every spring we two year old bird in a pen by them birds in this ing. The onl hatching. have of detecting th which we have just way in which our o increased from yea ble way of selectin

Why Low Per

There is nongst fowls to roc a s perches they can d when left to t be observed that places as the brand ollar beams of ou ollar beams the tops ation to roost in hig herited trait. It is sleep in places of even in a state of do any enemies, inclu rest peacefully es cannot molest t But in modern po rotect our poultry a aral enemies by prov safe houses, and an o rure houses, and an or rure house is the c ated low perch. A c at which to place pe house is from two to the ground. The cl he ground. he high n perch is tting off it without with a ladder-lik he floor to the the fowl to hop but this ladd m +1. v sten ed by the birds in a he roosts, and it is ss arrangement as All appliances that