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ST. LAWRENCE CANALS. GALOPS DIVISION.

NOTICE TO CONTRACTORS

SEALED TENDERS addressed to the undersigned and endorsed "Tender for St. Lawrence Canals," will be received at this office until the arrival of the eastern and western mails on Tacsday, the Sith day of October instant, for the construction of two locks and the deepening and enlargement of the upper entrance of the Galops Canal.

A map of the locality, together with plans and specifications, will be ready for examination at this other and at the Lock-Keepers house. Galops, on and after Tacsday, the Pith day of October instant, where forms of tender may be obtained by Contractors on personal application.

day of October instant, where forms of tender may be obtained by Contractors on personal application.

In the case of firms there must be attached the actual signatures of the full name, the nature of the occupation and residence of each member of the same, and further, a bank deposit receipt for the sum of \$6,000 must accompany the tender for the works.

The respective deposit receipts—cheques will not be accepted—must be endorsed over to the Minister of Italiways and Canala, and will be forfeited if the party tendering declines entering into contract for the works at the rates and on the terms stated in the offer submitted. The deposit receipts thus sent in will be returned to the respective parties whose tenders are not accepted.

This Department does not, however, find itself to accept the lowest or any tender.

By order.

A. P. BRADLEY.

Secretary.

Secretary.
Department of Railways and Canals,
Ottawa, 11th October, 1883.

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HOME AND FARM.

The Toronto Educational Journal has the following:—"That was sound and sensible advice which Lieutenant Governor McLelan gave the Nova Scotia farmers at the opening of the Provincial Exhibition, a week or two since, when he urged that they should bestow as much attention upon the education of the sons whom they intended to take up farming as upon that of those destined for the professions? Why not? It is clearly true, as he said, that often farmers and their wives stint themselves for the purpose of educating sous for the learned professions, to make them doctors, lawyers, or clergymen. He had all honor for those who did this, but claimed that the education of the lad who was to have the farm should have their first care. For the practical purposes of their life work, as well as for all the higher ends of human life, it is important that the farmers of the future should be men of the highest intelligence and culture. Again we ask, Why

Says the Windsor Tribune:—"Prof. H. Y. Hind has raised peaches this year that far surpass any even brought from the States. Some of them weighed 5 oz. each, and were beautifully colored. There are numerous localities throughout the Province where peaches could be raised profitably. There are many sheltered spots along the southern slope of the North Mountains that are admirably suited to the purpose. Farmers having such spots should make the experiment, at least by planting a few trees."

It is said, we know not on what authority, that the skunk is useful to the farmer as a destroyer of the potato bug, and that it not only gathers them off the vines, but also roots them out of the ground. No doubt, if them out the vines, but also roots them out of the ground. It doubt, if this be the case, the skunk would be both cheaper and safer than paris green, though more odoriforous. Perhaps he might do what is too often neglected by the farmer who finds his potatoes infested, viz: continue his operations in the fall, which is quite as important as clearing off the pest at earlier periods of the year.

Says the Farm Journal :- " Hants County has the credit of carrying off the first prize for apples at the Provincial Exhibition this year. Kings and Annapolis have always been considered the banner counties in fruit growing, but farmers in other counties are coming to believe that other portions of the Province are eminently adapted to this industry. There is not a county in Nova Scotia but could profitably engage in this business."

As prolonged darkness is detrimental to vegetable life, so are dark stables injurious to the health of stock. Many stables are made to face the blank wall of the building, and when the animal is in the stall it so darkens the manger that it must feed at random. After standing in a dark stable, and then coming out into sunlight, the eyes are dezzled, and this oft repeated impairs the sight and sometimes leads to blindness.

Several estimates, which do not differ to any great extent in the totals, calculated by experts, place the deficiency in the European wheat crop, as compared with last year, at about 160,000,000 bushels.

We have noticed this paragraph in several of our American exchanges, it is said to answer well. Will any of our readers try it, and oblige us with a report? "When spokes and felloes shrink, and the wagon tires become loore in consequence, it is the custom to have the tires reset, at the usual expense of fifty cents each. It is far cheaper and better for the wheels, to saturate the entire woodwork with hot linseed oil. It can be applied with a rag tied to a stick. This fills the pores, and causes the timber to swell, and fill the tire as when new. With a coat of hot oil once in a year or two, there will be no loose tires, and the wheels will last very much longer."

Sir John Lawes has contributed to the Agricultural Gazette of Monday last an article describing his experience of ensilage—experiments in relation to the system having been conducted on his farm at Rothamsted since 1884. He concludes that there is more waste of feeding material in converting grass or clover into silage than in converting it into hay, where the latter can be well made; but he admits the value of the system of ensilage in a wet season, such as the last. In a dry climate, such as that at Rotham-ted, where the average annual rainfall is 28 inches, he is not disposed to make ensilage part of the regular farm system, because, he says, the produce of an acre in hay will go further in feeding live stock than the same produce made into silage.

The discrimination here made is of considerable importance in the consideration of the ensilage question.

The Farmer's Advocate (W. Weld, London, Ont.,) for October is quite up to its usual form. This is a publication of practical utility, which his a circulation from Halifax to Victoria. It is monthly, of attractive get ap illustrated, and low in price, \$1 per year. This is not the first time we have spoken of it in terms of commendation.

According to the *Bee Journal*, there are in North America about 300,000 persons keeping bees. The annual honey product is about 100,000,000 pounds, and its value nearly \$15,000 000. The annual wax product is about 500,000 pounds, and its value more than \$100,000.

It was, we believe, considered doubtful at one time whether Pictor County was at all well adapted for fruit raising. Undoubtedly the question has been solved by Mr. D. H. Shaw, a gentleman who betook himself there