# The Colonist.

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# The Colonist Printing & Publishing Go

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### THE DAILY COLONIST.

Delivered by Carrier at 20c. per week, o lied postpaid to any part of Canada (except the city) and United States at follow-

## THE SEMI-WEEKLY COLONIST.

TERMS STRICTLY IN ADVANCE.

### NOTICE TO ADVERTISERS.

'All new advertisements and changes of For urgent advertising after 8 p.m., consult the Night Editor.

### THE VICTORIAN ERA.

The reign of Her Most Gracious Majesty Queen Victoria will go down to history as one of the most remarkable in all history. It is an extraordinary thing that any sovereign should wear the crown for sixty-three years without there having arisen in all that time, although it was an era of democracy, the slightest disposition to deny her right to the royal office. It is a remarkable thing that she should have so administered her responsible duties as never to have come into collision with the popular will. It is notable that the phur and yielding from 50 to 64 per repair as soon as circumstances will percourt over which she presided as cent. of pure iron, while in close proxmaiden, wife and widow has never been imity—in some cases actually adjoining tainted by a breath of scandal. It is the deposits—are abundant supplies of be taken for granted that the Electric something out of common to be able to the finest limestone and coking coal, and building timber is everywhere. Alwith West Victoria in the distribution a family, as a simple Christian, and as one who walked in the line of duty, as one who walked in the line of duty, as exist, no steps have been as yet taken tion to the city's electric plant will make she saw it, with firmness and courage, to utilize them by Canadian or British available. she left nothing to de desired. A writer manufacturers. United States capitalin an American magazine recently described her as a woman who "had of these ore deposits and are quietly se will secure the earnest attention of the missed her opportunities." He prob- curing control of some of them, with a City Council. The setting apart of a ably stands alone among men in holding view to establishing steel plants and portion of it as a park and recreation that opinion of the noble lady whom so shipyards in the neighboring State of ground for the west end is an excellent many millions mourn. Not the least Washington. Thus, if Canadian and proposal, and the fact that that particuconspicuous feature of the Victorian era British manufacturers are slack enough lar part of the reserve is so low as to is the splendid example set by her in to permit it, their United States combe useless for ordinary business or resievery one of the important relations in petitors will eventually absorb all the dential purposes, strengthens the claims

providence to fill

soffice, and apparently was not at the ter inducements and an opportunity to the civic authorities in the distribution is one of the most talented speakers in tive with some aggressiveness. In this Greater Britain. view she was supported by Baron Stockover the Queen, and, after her marriage. over the Queen, and, after her marriage, over the Prince Consort. He made no Canada and more particularly of the due to the visit of Premier Dunsmuir have been set up in the United Kingdom a personal government. There is reason to suppose that at first the Prince Con-

the Victorian era.

VANCOUVER ISLAND IRON.

Vicars, Sons & Maxim is negotiating One Year .... \$6 00 Six Months ..... 3 00 for the purchase of the Midvale Steel Works and the Cramp Shipbuilding Yards of Philadelphia, the British Columbia Review, of London, England, asks why the large British shipbuild-Six Months ...... 75 offered by the Maritime Provinces for 40 the establishment of steel works and Sent postpaid to any part of Canada and ship yards. The paper then goes on to be ratified by those who desire the High say that "steel can be made more cheap- school. ly at Sydney, Cape Breton, than at any other point in the world on tide water, and shipplates could be cheaply transported from Sydney to St. John or Halifax, which have fine harbors, open to the whole city. As they point out,

throughout the year." The Review is perfectly right in en-deavoring to attract the attention of as the bridge is for general use, they advertising, to ensure their being inserted British steel manufacturers and ship are not asking a favor in urging its imshould be handed in to the business office builders to the advantages afforded for mediate construction. The City Counnot later than 6 p. m. Advertising will the profitable prosecution of their busibe accepted up to 8 p. m. at the business of ness on the Atlantic coast, but we must portance of providing a substantial fice, but insertion cannot be guaranteed. take exception to the statement that "steel can be made more cheaply at Syd- so the west enders may confidently hope ney, C. B., than at any other point in to have this portion of their wants sunthe world on tide water." There is no plied in a short time. One particular doubt that that section of Canada is ad- reason for their wishing to have a new mirably suited for steel production and bridge is that it would bring about great shipbuilding, but it must be remembered improvement in the street car service. that the iron ore used there in the manufacture of steel has to be transported was prepared to put on a superior class from Newfoundland ,a fact that must of cars as soon as a safe bridge would

coast. which exists in the world to-day is the first-class coach. West Coast of Vancouver Island. Here It also goes without saying that Vic within a few miles of Victoria, on tide toria West has not been pampered in water and in magnificent harbors, are the way of good roads. Some of the immense deposits of hematite and mag- principal thoroughfares are in very bad netite iron ore, entirely free from sul- condition, and should be put in proper

ore to Washington, where the profits of common ground. The Victorian era will be memorable its manufacture will serve to further described the Empire as a "crowned re- ish Empire will witness the intolerable of any of Her Majesty's predecessors. China, due to her own lack of enter-Too much credit cannot be given to the prise and the unpatriotic action of Britlate queen for her personal share in this ish capitalists in investing their money great work. She inherited from her an- in a foreign country, while an important cestors an exalted idea of the regal section of the Empire offers them bet-

It may be pointed out that the governmar, a gentleman selected by her uncle, ment of the Dominion offers a liberal the King of the Belgians, as a proper bonus on every ton of pig iron produced guide for her on constitutional questions. in Canada from native iron ore, and a Stockmar was a man of talent, but he further bonus on every ton of steel manwas out of touch with British institu- factured. This, in itself, should prove an tions. He exercised a strong influence incentive to the manufacturers of Great dence at the federal capital during the Britain to examine the possibilities of last few weeks. This was in a measure

> While the Colonist has no desire to deests of this province, our contemporary

queen at such a period in the history of a new school house, a new bridge, a the British people. Of all the achieve-ments of the last century, the building lights, and what is more, they say they lights, and what is more, they say they up in its best form of popular govern- are determined to have them. It is pret- campaign of education. Every one of ment may well be claimed to be best, ty generally acknowledged, by those in her representatives in the House and for it is the most permanent in its effects a position to know, that Victoria West Senate ought to make at least one and made many other things possible. is sadly in need of a new school building. speech each session on the capabilities It permitted the development of social, The present school is far too small, and and needs of this province. There ought industrial and commercial conditions in necessitates the renting of a supplemento be something like a revival of the old manner that would not have been pos- tary building, which is unequal to ac- Roman's "Carthago delenda est," with sible if the people of the most enlight- commodating the overflow. It, therefore, which he closed every speech on every ened nation had been distracted by tur- seems reasonable that the School Trusmoil and strife in an effort to preserve tees should stretch a point to meet the of duty and Carthage was destroyed. We their freedom. Instead of this they people's wishes in this respect. The refelt their rights secure, and hence were quest that the appropriation for Vic-able to devote their undivided energy to toria West school should be included in ing, but instructive, story is told of a the working out of the great problems, the by-law, which it is proposed shortly the solution of which give character to to submit to the ratepayers to provide for the building of a new High school, In announcing that the great firm of building of the school is not insisted full of what ought to be done for British

is not unreasonable, when it is given to be understood that the immediate upon, but that the providing of the nedence of good faith. It is urged, and others." with some show of reason, that if a bylaw to build a school in West Victoria is submitted to the ratepayers at large ing firms do not consider the advantages it stands a good chance of being defeated, but if included in the High school by-law, it would in all probability

With regard to the proposed new bridge at Point Ellice, there is no conflict of opinion. It is an absolute ne cessity, not to Victoria West alone, but the ratepayers of the west end will have bridge at the earliest possible moment, the company having intimated that is necessarily add considerably to the first warrant them in so doing. The cars would be similar to those used on the The Colonist submits that the most fa- Vancouver-Westminster line, which seat vorable point for the production of steel sixty passengers and resemble a regular

In the matter of street lights, it may

The settlement of the Songhees Re serve is more than a local question, and life which she was called upon in God's iron of Vancouver Island and take the of the west enders to have it declared

The Colonist does not wish to be connrich the States at the expense of Can-sidered a special pleader for Victoria ment of constitutional government that ada. Apart from this practical waste of West; it merely desires to draw attenthe world has ever seen. Tennyson has her raw material, Canada and the Brittion to the dissatisfaction which exists public," but no such claim as this could spectacle of the United States securing the city and to ask, if the feeling be have been made for it during the reign the steel and iron trade of Japan and well founded, that relief be granted as promptly and completely as the civic revenue will permit. The fact that Victoria West is weak at the polls and that council board, should not weigh with a despatch from Ottawa. Mr. Borden of public works, in which no portion of the House and possesses qualifications the city should be neglected for the that fit him for the position. benefit of another.

### B. C. AT THE CAPITAL. British Columbia and British Colum-

concealment of his hostility to the growing spirit of democracy. It he money in the United States a number of other more or less well cry the advantages presented by the ment by the Toronto Globe of the Canknown Coast people. A severe arraignsort was not averse to this view, and that he would have preferred to have that he would have preferred to have that he would have preferred to have embyed some of the window of the young queen was equal to the midgle conditions of the propriot, our roll of the window of the young queen was equal to the midgle and atested manager than the window of the young queen was equal to the midgle and atested manager than the window of the young queen was equal to the midgle and atested manager than the possibilities of Vancovier hinds.

The Winnings Thême eary Canadian have been the window of the young queen was equal to the midgle and atested manager than the possibilities of Vancovier hinds. The window of the young places was the possibilities of Vancovier hinds. The window of the possibilities of Vancovier hinds are trusted of the possibilities of Vancovier hinds.

The Winnings Thême eary Canadian have been the window of the window of the window of the possibilities of Vancovier hinds. The window of the window of the possibilities of Vancovier hinds. The window of the window of the possibilities of Vancovier hinds. The window of the w that he would have preferred to have enjoyed a more lofty title and exercised paper avowedly devoted to the inter-

was well received by the minister to British Columbia ought to begin subject, until at last Rome saw her path must keep hammering away at our reas certain cabinet minister, who was asked last week if he was not coming out to the Coast. He replied: "I would like to, but I am afraid. You see that every minister who goes out comes back so Columbia, that some of us must stay cessary money is asked for as an evi- home, so as to be a check on the

LIVE STOCK SALES.

At the meeting of the Cowichan Agricultural Association to be held at Duncan to-morrow, we understand that one of the questions to be discussed is the holding of a sale of stock in connection with the fall exhibition or at an earlier day. The farmers of Cowichan are doing very valuable work in raising the standard of agriculture in their district. The Flockmasters' Association has taining animal heat, and furnish power the neck of which extends to the outer to keep the machinery of the cow in operation. They are heat and fat properation. They are heat and fat properation are heat and fat properation. They are heat and fat properation are heat and fat properation. by want of funds and are not always about 2½ times as efficient as the carboindian associations are nampered ed by the animal for maintaining its book in diameter, on the upper surface of the about 2½ times as efficient as the carboindian associations are nampered ed by the animal for maintaining its book in diameter, on the upper surface of the about 2½ times as efficient as the carboindian associations are nampered ed by the animal for maintaining its book in diameter, on the upper surface of the about 2½ times as efficient as the carboindian associations are not always about 2½ times as efficient as the carboindian associations are not always about 2½ times as efficient as the carboindian associations are not always about 2½ times as efficient as the carboindian associations are not always about 2½ times as efficient as the carboindian associations are not always about 2½ times as efficient as the carboindian associations are not always about 2½ times as efficient as the carboindian associations are not always about 2½ times as efficient as the carboindian association are not always about 2½ times as efficient as the carboindian association are not always about 2½ times as efficient as the carboindian association are not always as efficient as the carboindian association are not always as efficient as the carboindian association are not always as efficient as the carboindian association are not always as efficient as the carboindian association are not always as efficient as the carboindian association are not always as efficient as the carboindian association are not always as efficient as the carboindian association are not always as efficient as the carboindian association are not always as efficient as the carboindian are not always as efficient as the carboindian as efficient as the carboindian as efficient as the carboindian are not always as efficient as the carboindian are not always as efficient as the carboindian are not always as efficient as t are desirable. Still, the object of the exhibitions is to educate the farmers, and it should be borne in mind that well-built stalls for the live stock would

phia school, it was discovered that 280,

it has no resident representative at the in the House of Commons, is rumored in

In the United States Senate grave charges have been brought against the troops in the Philippines. It is alleged that they have been guilty of the most inhuman atrocities towards the unfortunate natives who fell into their hands as prisoners. Some of the senators demand an investigation.

It is to be hoped that the troubles between the students at the Royal Military College will be put down with a firm hand Canada cannot allow the high reputation

## ........... INFORMATION FOR THE FARMER.

Communications to be addressed to "Agricultural," Colonist. •

HOW TO BUY STOCK FEEDS.

(H. G. Manchester.) There is an old adage of the merchan There is an old adage of the merchant that "goods well bought are half sold"; but the farmer might truthfully say that feeds intelligently bought are already sold, and at a good profit, provided he has the animals that will convert them into profitable products. If he hasn't that kind of animals, why is he dairying? The truble with a good many of us is that we don't know how to buy feeds. We are too likely to take whatever the miller has to sell, and he will usually try to dispose of that which brings him the most profit. Or we may be buying the grain that our fathers and grandfathers bought, just because they

The Flockmasters' Association has know what we pay for and not simply done wonders in improving the sheep lay for what we get.

In the first place, we must understand. industry; and in dairying and farming generally Cowichan is making splendid progress. The holding of a general sale of live stock, say at the close of the fall exhibition, will be found of great benefit to the farmer, affording a common meeting ground for buyer and seller. It is often difficult at present for a buyer to know just where he can secure stock, for though there may be numbers of just the kind of animals he wishes in the district, they are scattered here and there on farms at wide distances apart; the district, they are scattered here and there on farms at wide distances apart; consequently the farmer misses a sale. At the same time, it is useless to expect farmers to leave animals on exhibition for several days in the show grounds

feeds, it is the only element that could found on the upper side. It has a

accounts for the increased expenditure. quarters, we need simply enough carbo- ious, as it interferes with an even cirhydrates to give the animal bodily culation of the warmed air in the egg Of 350 children attending a Philadel- warmth, and simply enough oil or fat

> the market. The following table has been compiled from various sources and been compiled from various sources and been compiled from various sour is believed to be fully reliable;

Dig. Dig. Dig. protein. carbohyd. fat. 44.1 45.4 47.2 56.3 44.7 65.5 48.0 35.5 36.2 30.4 39.6 48.3 26.2 18.1 32.8 25.1 32.8 55.2 Wheat shorts .... Wheat middlings Brewers' grains dry. 16 Malt Sprouts . . . . 19 Buckwheat bran . . . 7 Buckwheat middlings 22 Sluten meal ...... 29.5
Sluten feed ...... 18.6
Cotton-seed hulls ... 1.0
Cotton-seed meal ... 36.9

Suppose we produce only hay or ensilage or corn fodder on the farm, and must buy all the grain. We find that in our local market we can buy wheat bran at \$16 per ton, corn meal at \$18, corn and oats at \$20, cotton-seed meal at \$22, gluten feed at \$18, and oatmeal at \$15. In order to make up a balanced or common-sense ration, that will be approved by the animal's digestive system,

be used with all feeds, also coarse fod-ders, always taking into consideration the healthfulness of our animals, and we cannot go far wrong. Another thing, in our estimating feeds in the bran, where we often feed by measure and not by weight, we are quite likely to overlook the fact that there is a vast difference in the weight of a measure of

difference in the weight of a measure of the different kinds of feed as the follow-ing specimen table will show: WEIGHT OF ONE QUART EACH.

Gluten feed . 1.2 loats . 1.2 Cotton-seed meal . 1.5

In buying feeds get what you pay for Figure on the protein—that is the key to the situation.—Ranch and Range.

As all farmers are aware, stock foods are much higher in B.C. than in Minnesota, but the same principle applies, and results worked out on the above plan do not vary much in proportion.

Try it.

### ARTIFICIAL INCUBATION. How to Secure a Successful Hatch.

By W. R. Graham, B.S.A., Pou Manager, O.A.Ç., Guelph, Ont.) When considering how to manage an cubator so as to succeed in hatching a fair percentage of the fertile eggs, it is well to first observe a little of the struc-

went to first observe a little of the struc-ture of an egg. The most external structure is the shell. This is composed of innumerable small particles which are very porous, allowing a free circu-lation of air and gases to and from the interior of the egg. Inside this will be found the shell membranes, and adjoin ing them is the white or albumen, arranged in layers, while in the centre is the yolk. If you were to cut a hardin diameter, on the upper surface of the serve as a valuable object lesson, just as the display of a well-bred cow or horse points out the ideal at which the farmer should aim in breeding.

The Colonist extends to Hon. W. C. Wells its sympathy in the loss he has sustained by the death of Mrs. Wells.

The colonist stalls for the live stock would feeds, it is the only element that could be considered; that is, the most digestable considered; that one can buy for the least money, the better off he is.

Is this a fair way to base the value of found on the upper side. It has a constant tendency to rise near the shell in one position long enough will rise and come in contact with the shell linings, becoming attacked to it. In such cases a further development of the germ is retarded. Thus the reason for turning the eggs best of well answered this question that I give his answer in full:

At the large end of the egg there is an air space which increases in size as

Wells its sympathy in the loss he has sustained by the death of Mrs. Wells.

Ontario mine-owners are asking the government to impose an export tax on government tax on government tax o nickel ore, the revenue thus derived to be paid as a bonus upon nickel steel in the province.

The Vancouver School Board has voted \$\$5,560 for this year's school expenditure—\$13,000 more than in 1900.

The establishment of a normal school accounts for the increased expenditure. bodily culation of the warmed air in the egg

ing condition; further than this we have run a machine is generally acknowledged phia school, it was discovered that 280, none of whom was over 10 years of age, were regular "policy" players. Thus early in life the embryo citizens of the United States cultivate the art of huntearly in life the embryo citizens of the United States cultivate the art of hunting the dollar of their daddies.

The selection of Mr. R. L. Borden, M. P. for Halifax, as Conservative leader

The market. The following table has stand quite a variation in temperature, but all such change of temperature tell more or less on the percentage of chicks hatched as well as on the constitutional vigor of those hatched. Have a good regulation on the incubator and see that the temperature does not vary over one degree before you venture to hatch any

In operating an incubator great stress is laid upon its location. Cellars having in them decaying wood and vegetables are unift places to operate incubators, if for no other reason than that there is a consequence of the stress of the stres what is best adapted to a successful operation of a machine is a room in which the air is pure, with a normal percentage of moisture, and is free from any direct drafts over the machine. Many house cellars meet these requirements. When the room is well ventilated, as is also the machine, very little trouble will be experienced from that perplexing problem of "how much moisture to use." Under normal air conditions the evaporation from the egg or time produced some of the noted showthere is an excess of carbonic acid gas. trouble will be experienced from that perplexing problem of "how much moisture to use." Under normal air conditions the evaporation from the egg or the amount of air space is usually about correct, and any interference on the part of the operator, either in trying to increase or reduce the moisture supply, is almost sure to be unsatisfactory. There are certain conditions which require less moisture or sometimes more. Most incubator manufacturers nowadays send out with their direction as to how to manage the machine a chart illustration and the eggs closely, and increase or decrease the ventilation as the eggs require evaporation or otherwise. The air farmers and the country generally

trays and positions of the eggs should be changed at each turning, so as to equalize any variation in temperature that may exist. To accomplish this, change the right try to the left side, placing the front end to the back, tak-ing the eggs from the centre, when turn-ing, and placing them at the ends, mov-ing the others downwards. This tends toward getting an even development of toward getting an even development of the germs. There is no time when a hatch can be injured as much as during the time the chicks are hatching. Do not open the door to peak in or remove shell, etc. By all means avoid any change of temperature. Keep the temperature fully at 103 degrees. Give a slightly in-

ANSWERS TO CORRESPONDENTS. Query—Will you kindly inform me if it is advisable to sow a little rape along with oats or other grain, for the sake of the pasturage afforded after the grain of the pasturage anorded after the grain is cut? If the oats are cut for oat hay, would the rape that may have grown up; have a bad effect upon the hay. "MELCROFT."

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1.5
Reply—Rape would have little or no for value for the purposes mentioned, in your locality. On dry uplands, the growth made would be weak and spindling, and would probably mature fin- and die down by the time the oat crop was ready to harvest from the oat crop
was ready to harvest from threshing
—on if the crop was cut green for hay,
very soon after the cutting was done.
Results would be better on rich, moist
land, but not sufficiently so to have
much value, and if there was a good
growth of rape early in the scarce. growth of rape early in the sea would be at the expense of the grain crop in either case, and would render the latter unfitted for harvesting. Under ordinary conditions better results could be obtained by sowing rape (Dwarf Essex only) immediately after the seed in without ploughing the land, at the rate of 5 or 6 pounds broadcasted to the acre; the amount of pasturage afforded, would be governed by the fertility of the soil and the comparative earliness or otherwise of the fall rains. Vetches would be more suitable sowing with grain in the spring, if crop was cut for hay; and would erally make a good second growth af ter the fall rains set in, and in mild winters furnish a nice crop to plough under in the spring, preventing leaching of the soil during the winter months. besides adding to the nitrogen content of

Query—A new method of extracting stumps was described in the Colonist some time ago. I missed seeing it. If you can find it and republish it I shall be much ablied in e much obliged.
Reply—I cannot lay my hand on the article asked for at this moment, but believe it was a method of saturating tthe stump with saltpetre and then burn ing it. Such a method would be quite useless for Douglas fir as the saltpetre

would not impregnate the wood, PROVINCIAL AUCTION SALES. The first annual Ontario Provincial auction sale of Pure-Bred Stock will be held in the city of Guelph, Ontario, on

held in the city of Guelph, Ontario, on the 27th of February.

This sale will be under control of a committee appointed by the Dominion Cattle, Sheep and Swine Breeders' As-sociation, which includes Hon. John Dry-den, Minister of Agriculture for Ontar-io; F. W. Hodson, Dominion Live Stock Commissioner, Messrs. R. Gibson, Presi-dent Dominion Cattle Breeders' Associa-tion; Robert Miller, President Dominion Shorthorn Breeders' Association, and other prominent stock breeders. other prominent stock breeders.

From 150 to 200 shorthorns, chiefly young bulls, but including a limited number of cows and heifers in calf, will be included in the sale, besides a limited included in the sale, besides a limited number of Hereford, Polled Angus and

Amongst this stock will be pure-bred animals from the Ontario Agricultural animals from the Ontario Agricultural College Farm, Guelph, and the Central Experimental Farm, Ottawa, besides animals from leading breeders of Ontario. All the animals offered for sale are required to be of good quality and breeding and in good condition. The following item prepared by Mr. F. W. Hod-son, Dominion Live Stock Commissioner, son, Dominion Live Stock Commissioner, and stating why provincial auction sales

were established, will interest all stock men: In Great Britain auction sales of live stock have been held annually for many years. Much of the breeding stock is most satisfactorily disposed of in this way, also a great number of "stores"

Formerly Canadian cheese was all sold by salesmen at private sale; within re-cent years the auction principle has been

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which plus an with the for their These points as me m None quality offered. To fi should to obtain not knot able pri that me if they while I large a has coother of the coother o farme not as the nec breeds, quently tained they ha province measur animals shall be the sale a prote and ho a tende sumer in ually many a bette tthe co case n mals so

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