

It's a Short Road from a cough to consumption. Don't neglect a cough—take Shiloh's Consumption Cure when your cold appears. The "ounce of prevention" is better than years of illness.

Shiloh's Consumption Cure is sold by all druggists in Canada and United States at 25c per bottle. It is a safe and reliable remedy for all cases of consumption, cough, and all other ailments of the lungs.

Local News.

From Friday, Jan. 18. Fenian Raid Medal.—Mr. James Henderson, who served during the Fenian Raid as a lieutenant, has received from Ottawa the silver medal granted for that service.

Normal School.—Superintendent Robertson having found it impossible to personally take charge of the Normal school recently established at Vancouver, Inspector Burns, of Rossland, has been appointed to take charge. A new assistant will be appointed to succeed Mr. Burns.

New Officers.—The officers installed at Wednesday evening's meeting of the Daughters of England were: P. P. Bro. Bull, W. Bro. E. M. Haynes, Vice, Sis. Foster, Chap. Sis. Davy; Sec. Bro. Taylor; Treas. Sis. Temple; Committee: Sis. G. M. Lewis, Sis. Bowden, Both; I. G. Sis. Pearson; O. G. Bro. Nankville; Trustees, Bros. Wayer and Jones; Auditor, Bro. Nankville; Delegates to Federated Societies, Bros. Bull and Gladding.

Thrown From His Buggy.—Yesterday morning Chief Deasy of the fire department met with an accident which might have been very serious. A new aspect of the fire ball in a light four-wheeled buggy, to investigate a supposed fire.

Water Pressure.—The water commissioners have placed a footless pressure recording gauge in the water department. The instrument was made by P. P. Jones, of Boston, Massachusetts. It has two dials, and each day the face of the dial is changed. The dial indicates the pressure of water in the city mains.

Will Be Enforced.—The milk by-law, which provides for the licensing of milk vendors and the inspection of milk offered for sale within the city, is to be rigidly enforced. The necessary forms are now being printed. The fact that Sanitary Officer Wilson is to be entrusted with the duty of seeing that the provisions of the by-law are observed is a guarantee that it will not be extended to any extent.

Wants Longer Term.—Ald. Williams has given notice that at his next meeting of the board of aldermen, he will move that a committee be appointed by the Mayor to consider the advisability of taking such steps as may be necessary to provide for the extension of the period for which aldermen may hold office without re-election.

the approaching session of parliament for aid in the construction of a railway from end to end of Graham Island, one of the Queen Charlotte Islands, there are at present not more than ten white men on the island, which is large in area, rich in natural resources, and fit for settlement. Should the concession be obtained, the promoters of the enterprise say they will spend \$2,000,000 on the project.

Officer's Death.—Duncan Livingstone, a petty officer of H. M. S. Egeria, died at the naval hospital yesterday. He was a native of Oban, Argyshire, Scotland, and 24 years of age. A widow residing at 100 St. James street, Victoria, will take place at 2:30 this afternoon from the hospital to the naval cemetery.

From Sunday, January 20.

Call Early.—Be sure you get a copy of the Colonist souvenir number, and make no mistake about calling early, as almost the whole of the larger edition has been contracted for. Forty pages, fine paper, handsomely illustrated. Price, only 10c.

Down From Atlin.—Among the visitors to the city at present is Mr. A. St. Clair Blackett, formerly a bustling Victoria real estate man, but now located at Atlin. Mr. Blackett is doing well up North and visits the Coast on business. He says the outlook for the district in which he resides is very promising.

With Naval Honors.—The funeral of the late Duncan Livingstone, petty officer of H. M. S. Egeria, who died on Thursday at the naval hospital, took place yesterday afternoon from the hospital to the naval cemetery. The crew of the Egeria attended in full, and a burial taking place with full naval honours.

New High School.—A new high school has been opened at Nelson, with R. J. Clarke, formerly a teacher at the Collegiate school in this city, as principal. The school is located in a new building, and is expected to be one of the best in the province.

A Fish Story.—The latest issue of the Ashcroft Journal has this item of news: "The fishery of Turner, Easton, Co. and W. J. M. Sandall, of Wilson Bros., each brought down a trout from Lac La Pêche this week, the largest weighing 17 pounds, the smaller 12 pounds. Each of these gentlemen skinned down one of these beauties, then cut a hole in the ice and took them out, and are taking them to their friends in Vancouver and Victoria."

To Visit Portland.—Mr. J. R. Anderson, deputy minister of agriculture, will be all probably attend the meeting of the Northwest Fruit Growers' Association, to be held at Portland in a few days. He will take with him the fruit exhibits from surrounding districts which are now in cold storage here. He has been asked to present a number of questions relative to the fruit growing industry in this province. During his visit he will arrange for speakers at the meetings of the Farmers' Institute.

Going North.—Mr. Aaron Lewis, long and favorably known as one of our rising and popular young business men, is about discontinuing the tinmith business in which he has been engaged for many years, and going North to accept a position in the cannery of Mr. Lewis, at Fort St. James. Mr. Lewis contemplates leaving Victoria on Thursday next.

The Travelling Dairy.—A preliminary programme of the route of the travelling dairy has been drawn up by the deputy minister of agriculture, Mr. J. R. Anderson, the districts to be visited being as follows: Victoria, Comox, Langley, and the Salmon Arm and Kelowna. The exhibitions will take place in connection with the regular meeting of the Farmers' Institute, extending from the 1st of March to the end of April.

An Expert's Opinion.—To a Colonist reporter yesterday, a gentleman who has been engaged in the work of bridge construction, expressed the opinion that the present temporary structure doing duty as a bridge at Point Ellice is unsafe. There is a 70-foot span in the structure, and in his opinion of bridge men, unless a span of this kind is specially strengthened, it is dangerous. The gentleman is a native of the province, and has the reputation of being a public importance to give it publicity.

Formal Notice.—Ald. Stewart has given notice of two formal notices that he will introduce at this evening's meeting of the council. They are: "That the purchasing agent be authorized to call for tenders for supplies for the Old Men's Home, which are: bread, meat, and other necessaries, sidewalks, doors, etc.;" and "That the city assessor be authorized to compare the assessed value of the real estate of the city of Victoria for the current year on Thursday the 24th day of May, and complete the same to the satisfaction of the municipal council on or before the 9th day of May next, in accordance with the provisions of the Municipal Clauses Act."

Who Knows?—Officials of the United States department of agriculture have addressed inquiries to the deputy minister of agriculture, Mr. J. R. Anderson, asking him if he can furnish information as to whether caribou exist on the islands in the Queen Charlotte group. Mr. Anderson has no special knowledge on the subject, and would be glad if some one would answer the inquiry. It is alleged that some years ago a caribou was killed by the Indians on Queen Charlotte Island and the head sent down by a Mr. McKenzie to Mr. Charles, of the Hudson's Bay Company.

Gunboat Phœnix Is to Be Re-armed and Perhaps Re-boltered.—Imperial Navy. The gunboat Phœnix, which is to be re-armed and perhaps re-boltered, is now under construction at Devonport. Her re-arming is an important item in the declared programme for this year, as she is to be re-armed, and a proposal to re-bolter her is now under consideration.

The re-arming and re-boltering of the cruiser Imperieuse has been completed, and she is to undergo trials with her new guns pending printed. The fact that Sanitary Officer Wilson is to be entrusted with the duty of seeing that the provisions of the by-law are observed is a guarantee that it will not be extended to any extent.

Victoria, B.C., 15th January, 1900.—Dic. T. —E. C. B. Bagshaw, Esq., Secretary, The Victoria Life Assurance Co., Victoria, B.C.—Dear Sir,—Please accept my thanks for prompt settlement of my claim under my late husband's Policy, No. 2975, in your Company. Yours respectfully, Mary Ann Fleet.

Information for the Farmer.

"A Handful of Soil," No. 2, in Cornell Nature Study Quarterly. The more one studies the soil the more certain it will be found that the earth has locked upon her bosom many secrets and that these secrets will not be given up for the mere asking. As mysterious as the soil may appear at different times, it always is governed by certain laws. These principles once understood, the soil becomes an open book from which one may read quickly and accurately.

The soil has certain offices to perform for which it is fitted by nature. The most important of these offices are: 1. To hold plants in place. 2. To serve as a source of plant-food. 3. To serve as a reservoir for moisture. 4. As a storehouse for applied plant-food or fertilizer.

Some soils are capable of performing all these offices, while others are fitted for only a part of them. Thus a soil which may be pure sand and almost entirely deficient in the essential elements of plant-food, may serve, if located near a large body of water, to hold the plants in place while the soil gardener feeds the plants with specially prepared fertilizers, and by irrigation supplies the moisture.

Early in the study of soils an excursion, if possible, should be made into the woods. Great trees will be found and under the trees will be found various shrubs and possibly weeds and grass. It will be noticed that the soil is well covered with growing plants. The surface will be found covered with a layer several inches thick of leaves and twigs. Beneath this covering the soil is moist, loamy or organic matter, loose, easily sponged except as roots or stones may interfere, and the soil has every appearance of being fertile.

After examining the conditions in the forest, a study should be made of the soil in some cultivated field. It will be found that in the fields the soil has lost many of the characteristics noticed in the woodland. In walking over the fields, the soil will be found to be hard and compact. The surface may be covered with a thin layer of leaves and twigs, but beneath this covering the soil is dry, moist, loamy or organic matter, loose, easily sponged except as roots or stones may interfere, and the soil has every appearance of being fertile.

Not all the water which falls during a summer shower is carried off by surface drainage, but a considerable part sinks into the soil. As it passes down, each soil grain takes up a portion and

Dawson White Horse Skagway Juneau CALEDONIAN LIQUEUR WHISKY. Hotel keepers and others in these cities will kindly note that. Can always be obtained from the under-mentioned Pacific Coast Agents direct, either in BOND or DUTY PAID, should travelling salesmen not wish to book orders through the firms they represent. Never less than 1,000 Cases in stock at any one time. R. P. Rithet & Co., Ltd. Victoria, B. C.

has been building up the soil. The leaves from the trees fall to the ground and form a covering which prevents washing, and these leaves decay and add to the soil. The soil is constantly decaying and these furnish channels through the soil and permit of air and water drainage. In the fields of the woodland, the soil is disintegrated, and too often the whole aim seems to be to remove everything from the soil and to make no return to it. Consequently the organic matter or humus has been used up; the tramping of horses' feet has closed the soil and the soil is left naked during the winter and the heavy rains wash and erode the surface and remove some of the best plant-food. After a few years of such treatment, the farmer wonders why the soil will not produce as liberally as it formerly did.

The fact that there is humus or vegetable mold in certain soils can be shown by burning. Weigh a portion of hard soil and a portion of lowlands soil or muck, after each has been thoroughly dried. Then place the pots on the coals in a coal stove. After the soil is thoroughly burned, weigh again. Some of the difference in weight may be due to loss of moisture, but if the samples were well dried in the beginning, most of the loss will be due to the burning of the humus. There are certain conditions which affect soil fertility and of these the most important are: Texture. Moisture-content. Temperature.

By texture is meant the physical condition of the soil. Upon soil texture, more than upon any other one thing, depends the productivity of the soil. When the texture is right the soil is loose, friable; the roots are able to push through the soil and the feeding area is enlarged. Each individual particle is free to give up its plant-food or its film of moisture. The conditions which are found in the woods' soil are almost ideal.

The greater part of our farming lands do not present the ideal conditions as regards texture. Clay soils are especially liable to be in bad condition. If samples of the various soils can be collected, as sand, loam, clay, etc., and the results shown how different soils respond to the same kind of treatment. With a common garden trowel, the soils should be

stirred and worked while wet, and then put away to dry. After drying, the contents presented by the soil should be noted, also the length of time required for the soils to become dry. Whereas the sand and the loam will remain in a fairly good condition when dry, the clay will have become "puddled," i. e., the particles will have run together and made a hard compact mass. Thus it is found in practice that clay soils must be handled with far more care and intelligence than is required for the sand and loams, if the texture is to be kept perfect.

If, in the experiment above suggested, the clay soil is mixed with leaf-mold or humous soil from the woods, it will be found to act very differently. The vegetable matter thus mixed with the mineral matter prevents the running together of the particles of clay. Two principles, both important as being in the soil, are moisture and air. The soil must be kept moist when it is so wet that its particles will cohere, and organic matter or humus must be kept mixed with the mineral matter of the soil. In practical farm operations, if the soil can be made into a mud ball it is said to be too wet to work. The required amount of humus is retained in the soil by occasionally blowing under some green crop, or clover, or by applying barn manures. Clay soils are also frequently treated with lime to cause them to remain in a mud ball and thoroughly spongy. Lime causes the fine particles to flocculate or to become granular, i. e., several particles unite to form a larger particle and these combinations are more stable and do not so readily puddle or run together. A mud-puddle in clay soil will remain murky until the water has evaporated entirely. Let a little water-slaked lime be mixed with the muddy soil and the particles will be flocculated and will settle to the bottom and the water becomes clear.

other tube with the fine soil which results from pulverizing the lumps, equal weights of soil being used in each case. From a graduated glass pour water upon each sample until the drainage begins from the bottom. Notice which soil possesses greater power of absorbing moisture. Put the samples away to dry, and by carefully weighing each day it can be determined which soil dries out most readily.

The prudent farmer will take measures to prevent the escape of this moisture into the air. The film-moisture (not the soil particles) needs to be carefully conserved or saved, for the plants will not very largely absorb the moisture before they mature, and they can draw their supply only from this film-moisture. We can again apply the lesson learned in the woods. The soil is there always moist; the leaves form a cover or blanket which prevents the evaporation of moisture. Underneath this blanket on board, the soil will be found moist. If we can break the connection between the soil and the air we can check the escape of moisture. A layer of straw over the soil will serve to prevent the loss of moisture. But a whole field cannot be thus covered, and the soil must be kept by keeping the surface soil loose say about three inches of the top soil, it can be made to act as a blanket or covering for the soil underneath. While this top layer may become as dry as dust, yet it prevents the escape by evaporation of the moisture which is there. It is a matter of common observation that if tracks are made across a freshly cultivated field, the soil will become drier where the tracks are. This darker appearance of the soil in the foot marks is due to the moisture which is there rising to the surface. The implement of tillage makes the soil loose and breaks the capillary connection between the lower soil and the surface, and the upward passage of the water is checked. Where the foot-print is, the soil has been pressed down, and the surface of the soil is firm and crowded closer together and capillarity is restored to the surface and the moisture is free to escape. In caring for flower beds, or even in growing plants in a pot in the schoolroom, it is important that the surface of the soil be kept loose and mellow. Far better is a garden rake in a flower garden than a watering pot. The importance of the soil being loose, fill several pots with a sandy loam soil, putting the same weight of the same kind of soil into each pot. One pot pack the soil firmly, in another pot pack the soil firmly and then make the surface loose. These pots of soil should be put away to dry, and by weighing each daily it can be readily determined what effects the various methods of soil culture will have upon the moisture-holding power.

This experiment may be varied by covering the soil in some of the pots with leaves or straw or paper, and taken that the added weight of the foreign matter be properly accounted for.

Each tender must be accompanied by an accepted bank cheque or certificate of deposit on a chartered bank of Canada, made payable to the undersigned, for the sum of eight hundred (\$800) dollars as security for the fulfilment of the contract, which cheque shall be forfeited if the party tendering decline to enter into contract when called upon to do so, or if he fail to complete the work contracted for. The cheques of unsuccessful tenderers will be returned to them upon the execution of the contract.

WO SANG, 85 Store Street, Victoria, B.C. SEWING MACHINES, NEW GOODS JUST RECEIVED. Fit Guaranteed.

Good work horses, grain fed, weight from 1,200 to 1,800 pounds; also Wagons and Double Harness.

M. J. HENRY, 3099 Westminster Road, VANCOUVER, B. C. WHITE LABOR ONLY.

Province of British Columbia, VICTORIA, by the Grace of God, of the United Kingdom of Great Britain and Ireland, Queen, Defender of the Faith, etc., etc. &c.

NOTICE RESPECTING THE REBATE ON EXPORTED TIMBER. Notice is hereby given that the intimation dated 3rd December, 1900, under this heading is rescinded, and that under the authority of the Order in Council of the 28th inst. the payment of a rebate on all timber exported beyond the limits of the Province was allowed to and discontinued from, and after the 31st of December, 1900. The said order of the 28th inst. further provides for the payment of a rebate on timber exported.

PROVINCE OF BRITISH COLUMBIA, VICTORIA, by the Grace of God, of the United Kingdom of Great Britain and Ireland, Queen, Defender of the Faith, etc., etc. &c.

NOTICE TO CONTRACTORS. Highway Bridge, Kettle River, Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

ORDER IN COUNCIL. Copy of a Report of a Committee of the Honorable the Executive Council, approved by His Honor the Lieutenant-Governor on the 13th day of January, 1901.

On the recommendation of the Honorable the Attorney-General, and under the provisions of the "Tutors Act" (Chapter 107, section 27, R. S.), His Honor the Lieutenant-Governor of British Columbia, by and with the advice of the Executive Council, doth order as follows:

That a Special Sitting of the Selectors of Jurors for the County of Victoria, be held in the Court House in the City of Victoria, on Monday the 4th day of February, 1901, at the hour of eleven o'clock in the forenoon, for the purpose of selecting the names of the requisite number of persons to serve as Grand and Petit Jurors for the County of Victoria during the year 1901. J. D. PRENTICE, Clerk, Executive Council.

NOTICE TO CONTRACTORS. Highway Bridge, North Fork Kettle River, at Hardy's Crossing.

Sealed tenders superscribed "Tender for Bridge, North Fork Kettle River," will be received by the undersigned up to and including Saturday, the 9th February next, for the construction and completion of a wooden highway bridge across the North Fork of Kettle River at Hardy's Crossing.

Sealed tenders must be accompanied by an accepted bank cheque or certificate of deposit on a chartered bank of Canada, made payable to the undersigned, for the sum of eight hundred (\$800) dollars as security for the fulfilment of the contract, which cheque shall be forfeited if the party tendering decline to enter into contract when called upon to do so, or if he fail to complete the work contracted for. The cheques of unsuccessful tenderers will be returned to them upon the execution of the contract.

W. S. GORE, Deputy Commissioner of Lands and Works, Lands and Works Department, Victoria, B. C., 4th January, 1901.

NOTICE TO CONTRACTORS. Coultiam, Maple Ridge, and Pitt Meadows Drying Districts.

Sealed alternative tenders for Concrete and Wooden Sluice Gates, superscribed "Tender for Concrete Sluice Gate" and "Tender for Wooden Sluice Gate," will be received by the undersigned up to Saturday, the 2nd February next, for the erection and completion of six sluice gates in the dykes of the above mentioned Districts.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.

Sealed tenders, superscribed "Tenders for Bridge, Kettle River, Columbia, B. C.," will be received by the undersigned up to and including Saturday, the 9th February next for the construction and completion of a wooden highway bridge across the Kettle River at Columbia, B. C.