studied the diserse, writes me in rd to it as follows: Dead Spot is caused we deep-seated gus that finds its susieren r tissues of the bark and only aprs on the surface for the purpose of e formation and reproduction. The elium of the fungus spreads in varidirections through the bark and can tree, stripping off all the dead er bark, and diseased tissue. er the fungus has attained its growth roduces its spores in small excresces on the surface of the dead spots. se little pustules burst, when the res escape, and are carried by the air nsects to other trees and other porof the same tree. They germinate, at or the same tree. They germinate attumn, and begin to penetrate the k at once, and repeat their cycle of wth. The spore bearing vessels bursting July and August, and as no spray

reach the fungus after germination, dsummer spraying when trees are in infected is important. is an ordinary preventative autumny ying would probably be sufficient, n severe cases both should be used dead spots should be cut out and ned, for they hold myriads of spores only await a favorable opportunity roduce new injections. The mid-mer spray to use on bearing trees ld be five ounces copper carbonate three pints ammonia in 45 gallons On young trees, or trees not in , six pounds sulphate copper, six ds lime, 50 gallons water. The mn spray should be six pounds sule copper, ten pounds lime, 50 gal-water. It will be noted that these ys are about one-half stronger than ordinary Bordeaux mixture as adfor use in British Columbia.

British Columbia I have observed dead spot does not occur in the inr valleys, and either not at all or to slight extent in orchards of the province situated on soils containplenty of lime, such as clam shell hes where there is a good under nage. It is now pretty well estab-d that many soils on which orchards anted contain a very small perage of lime, and again the question oper drainage of orchard land has eceived the attention required. I frequently noticed that fruit trees anding in soil where the during the winter months is almost te level with the surface. Now, ever direct treatment is made to affected with "dead spot," it is important that these d receive attention—healthy trees t be expected, unless they are inded with what may be termed r "sanitary conditions," and sup-with the elements of plant food sary to promote healthy growth. wood ashes are available, in sufquantity, they should be used in the orchard, and if not obtainlime and muriate of potash in their and if convenient, well worked in

, as far as the roots of the trees planting new orchards, care should ken not to plant the trees too deep, w attention to this, as I find it is a common error, and one very alt to remedy latter on. soils inclined to be wet, it is better ant on or near the surface and id up the soil ovor the roots of the

he harrow or cultivator in early

or young trees, stable manure applied very cautiously, as it tes wood growth to an undue ex-On some rich soils it has been wed that frequent cultivation has e same effect. regard to these matters orchard-

ald study their soil and local conthe aim being to produce a fair of new wood on trees every year, will harden and ripen up pro-n the fall, and avoid the producovergrown sappy shoots, which ighly favorable to the develop-

of 'dead-spot.'
ive your fruit trees as nearly as
ble 'ideal conditions' by planting suitable for the purpose, and supproper care, cultivation and plant hen if disease appears treat them emedial applications designed to y the intruding disease or parrowth.

Palmer also offered some remarks tree miner which was also known e made its appearance in some chards on the Lower Mainland. f the same family as the Codlin and Mr. Palmer suggested as a of eradicating it this of eradicating it, the destruction fected fruit. A long discussion ed, during which a number of use-ts were elicited.

ts were encired.

Henry Kipp, of Chilliwack, read
tical paper on his experiments in
ng, and Mr. F. L. Sears, in a
on "Grading and packing fruit, fruit packages," gave some exdvice and hints as to the best. is of preparing fruit for market.

CONCLUDING BUSINESS.

on That the Association Wants. icultural Interests Protected.

of the most important events of ning was the report of Messrs. M. H. Kipp and D. Stevens the tee on the tariff: This report

ir committee to whom was re-he communication of the minisiculture re revision of the tariff. ve to report as follows: Your tee believes that the true policy government is that policy which the greatest investment of and secure the best returns to-orer and the investor. British being comparatively a new her industries are to andeveloped, and unless protecflorded they are liable either to ricd. We would also call your to the imports into B. C. from bors to the south, and point if protection is continued, almay not be able as yet to ur home demand, we will be products of home demand, we will bearticularize would be long and and possibly not accomplish much as a short conference

nmittee appointed by you for

fore, be it resolved that this as-believes that the tariff laws, as agricultural interests, should

ought up opposition from Mr. n, of Cobble Hill, who styled parasite and contended that humanity advancing they

were degenerating in the scale because

Mr. D. Stevens in reply said they had only to look across the line and notice only to look across the line and notice the low prices there, to see what would be the disastrous effect of pulling down the tariff wall. He wanted too to see the duty on malt increased, so that the farmers as in the old days should have a market for their barley.

Mr. Thos. Cunningham, as a farmer,

said that if they took the tariff off, the B. C. farmer might just as well leave the The report was adopted, with only one

en local exchanges working in harmony with our central exchange. Our object ditions. is to have this central exchange a truly provincial one, with a view of pointing out to the fruit growers the best channel for disposing of their fruit. We not only supply the growers with boxes and bas-kets, and all they need for packing their fruit, at as low a price as possible but we also handle the fruit and ship it to the best advantage. Thus it can easily be seen that the growers, by all becom ing members of the exchange and co-operating, will secure a better price for their product than if each man was acting for himself and trying to under-

Mr. J. T. Collins, who is a guest at the idental and who has during several days past been attending the meetings of the dairymen and the fruit-growers is thoroughly convinced that the cream ery is a good thing, with money to be August, gets the benefits of the aftermade in it. At his home on Salt Spring it that it has been the hot dog days, and Island the dairying industry is thriving and it will shortly be given additional encouragement by the establishment of a large and thoroughly modern cream-

sell his neighbor in the endeavor to se

PASSED FOR PAYMENT.

Waterworks matters were discussed at considerable length by the city council at a special morning meeting yesterday, attended by all members of the board

Dairymen's Association Do Not Wish the Government to Lower the Tariff.

The sport was adopted, with only one voice dissenting, committee composed of The sport was more asily handled during two and E. M. Palmer recommended the following resolution, which was carried:

"Whereas it has been considered necessary for the best interests of the fruit and developing the market available for B. C. fruits, and also by plain them more prominently before the people of those districts by means of exhibitions. The people of those districts by means of exhibitions and the people of those districts by means of exhibitions and the people of those districts by means of exhibitions and the people of those districts by means of exhibitions." The people of those districts by means of the people of those districts by means of exhibitions and the people of those districts by means of the people of the people of those districts by means of the people of those distri

most valuable and important industries The Value of Feeding the Fruit
Trees—Fruit Exchanges and
Their Mission.

The pairs necessitated by the ship's break-down at sea having been completed, the Northern Pacific liner Tacoma proceeded last night after spending two hours in port.

The wagoner of the Mission of the Missio

him out to Cedar Hill to see the spraying test. Mr. Hutcherson was chosen as president of the fruit exchange at the meeting at Mission a few days ago.

"We have now, he remarked, at least 170 members, and there are quite a dozen local exphances working in harmony. neighbor may, no matter what his con-

"I believe that winter dairying warrants more consideration than it has re-ceived heretofore, and that it offers better inducements than the practice gen ally in vogue now in British Columbia. No part of Canada can grow more succu-No part of Canada can grow more succulent feeds, suitable of profitable feeding of dairy cows. These feeds can be fed as a soiling crop or converted into ensilage, as the case may be. We have a mild climate, which does not require such expensive buildings to keep the cows comfortable, which is one of the environs estable of the environs estable to the company has had a casual sample of their ore assayed by Mr. Woodhouse, fortable, which is one of the environs estable to the company has had a casual sample of their ore assayed by Mr. Woodhouse, fortable, which is one of the environs estable to the company has had a casual sample of their ore assayed by Mr. Woodhouse, fortable, which is one of the environs estable to the company has had a casual sample of their ore assayed by Mr. Woodhouse, fortable, which is one of the environs estable to the company has had a casual sample of their ore assayed by Mr. Woodhouse, fortable, which is one of the environs estable to the company has had a casual sample of their ore assayed by Mr. Woodhouse, fortable, which is one of the environs estable to the company has had a casual sample of their ore assayed by Mr. Woodhouse, fortable, which is one of the environs estable to the company has had a casual sample of their ore assayed by Mr. Woodhouse, fortable, which is one of the environs estable to the company has a casual sample of the company has a casual sample sential to success in dairying. I think the word comfort deserves much more onsideration than it generally receives Unless cows are comfortable in every sense of the word, they will not do their est, no difference what breed they may be, nor what feed they consume.

"Cows coming in fresh, the last of August, gets the benefits of the afterif put in the barn at nights during the cold rains and fed some succulent food, of which corn is no doubt the best, where it can be grown successfully, although second crop clover or oats and pease sown late for this purpose do very well. Cows so attended and fed should

calving in the fall gave 50,478 pounds for the same period.

"Further, cows calving during the fall allow the the milking to be done when there is not a rush of work, allowing more time to attend to cows and calves, and the calves, when weaned, go to grass and get a good growth before going into winter quarters. The work of the farm is thus more evenly distributed, and the Tariff.

They Also Ask That the Quarantine
Against American Cattle Be
Continued.

The Patitic Columbia Decimals of the Columbia Columb

The President Rechanges and Exchanges and Ex

THE "TACOMA'S" CREW. The crew of the Victoria will remain n this city until the return of the vessel allow them to pass that point without two weeks' detention in quarantine. A grading of the Island road. erew will be taken from Tacoma to work the vessel to that point. The Tacoma crew. It is reported considerable diffi-culty was had in securing men to do the

THE "CHIEFTAIN'S" REMODELLING. No more neat and tidy tug will claim Victoria as its home port than the Chief-tain, when her present extensive over-hauling under the supervision of the underwriters has been completed. The vessel's machinery as well as her hull, well. Cows so attended and red should go into winter quarters giving a full flow some few months ago, is receiving a full flow of milk, while cows calving in April and ton, and through an alteration that is now being effected, the steamer's speed now would be about dry and would be

considerable length by the city council at a special morning meeting yestereds, at a special morning meeting yestereds, attended by all members of the board at a seed all willows. The contractors will be largely increased. She will soon at the contractors will be addressed for five or six months.

"Where ensilage has been prepared to retrain the committee, and in this connection—upwards of \$25,000 remaining in the hands of the council and in this connection—upwards of \$25,000 remaining in the hands of the council and in the contractors we will be security for the proper completion of the contractors we walkely, King & Casey and the corporation, for the exercise being residence of Mrs. Costello, on Renderly the corporation of the contractors was developed by resulting the contractors and the corporation for the exercise being residence of Mrs. Costello, on Renderly the contractors and the corporation of the contractors and the corporation of the contractors and the corporation of where the surrounding surrounding the contractors and the corporation of the contractors and the corporation of the contractors and the corporation providing for the find and the contractors and the corporation providing for the find and the contractors and the corporation of the find and the contractors and the corporation of the find and the contractors and the corporation of the find and the contractors and the corporation of the find and the contractors and the corporation of the find and the contractors and the corporation of the find and the contractors and the corporation of the find and the contractors and the corporation of the find and the contractors and the corporation of the contractors and the corporation of the find and the contractors and the corporation of the contractors and the corporation of the find and the contractors and the corporation of the find and the contractors and the corporation of the find and the contractors and the corporation of the find and the corporation of the find and the contractors and the corp

Daring Robber Helps Himself to the Letters for the Fort Steele Country

After Abstracting Their Contents He Has a Bonfire-Arrest Speedily Follows.

Golden, from which point it has to be transferred by wagon over the famous Cariboo road to its destination, 190 miles

DIRECT train service on the E. & N. railway was resumed yesterday, when passengers up and down had opportunity to casually examine the new trestles. to this city until the return of the vessel to casually examine the law to this port, owing to the refusal of the They are a great improvement upon the Port Townsend quarantine authorities to old structures, and for stability and good

A LETTER received last night from Salm Union says: Nothing is definitely states that J. Brown has struck free

MR. E. A. WADHAMS, the canner from work for the price offered, \$1.25 a day. Blaine, Wash., registered at the Drivad Fire was started yesterday under the last evening, and will await the sailing Tacoma's boilers and she will be ready to depart, as before announced, early which he goes to Rivers Inlet, where Tacoma's boilers and she will be ready of the next Northern bound steamer, by to depart, as before announced, early which he goes to Rivers Inlet, where this morning. It takes 24 hours to get he will examine a property that up steam sufficient to propel the ship, after her boilers have become cold. cannery site. Here he proposes to erect a cannery, if he finds every-thing suitable, and commence construc-tion in plants of time for arministration. tion in plenty of time for spring opera-tions. If he builds he will erect nothing but a modern plant, of a capacity of 30,-

000 cases. THE possibility of the Behring see claims commission going to San Fran-cisco has been renewed by the question being raised as to whether the values o seal skins were fixed in the London of will be largely increased. She will soon be ready for service again.

the province, for the last year, he says, he sent fourteen prisoners to New West-minater, costing the Government \$30

MESSES. Archer Martin and W. H. Langley have formed a partnership as barristers and solicitors, under the firm name of Martin & Langley.

given under the auspices of the Hon.
Col. James Baker, minister of education, for the joint benefit of the High school and South Park library funds, and will be sweeted draw growded houses. e sure to draw crowded houses.

NEW MINING COMPANIES.

every case the development of mining miss Johnson, who was on the proporties in some section of the proporties in some section of the proporties. Of special interest to Victorians gretted. is the formation of the Rock Creek Gold Mines, Ltd., the promoters and first trustees of which are: Messrs. T. B. Hall, Simon Leiser, T. Lubbe, B. W. Pearse, T. W. Patterson, and R. P. velop the Victoria, Queen and Califor-nia mineral claims, on Rock creek, Yale. Trail. dere are the lists of the new companies for the week, as announced through the stock in the scheme, nor am I interested in it in any way.

D. W. Higgins. announcements:

British North America Mining and Millng Co., of Rossland; with capital stock of 1,000,000. Canadian Gold Mining Co., of Spokane; East St. Louis Gold Mining Co., of Ross-

700,000. Hall Exploration of B.C., of England; 150,000.

Multum in Parvo Prospecting Syndicate, discuss with the American authorities Multith in a vo riospecing Synthesis.

Ked Horse and Salmon River Mining Co., labor law with the United States, which of Vancouver; \$1,000,000.

Rossland Development Co., of Rossland; in Canada. They will probably leave 11,000,000. Rock Creek Gold Mines, of Victoria; \$500,-

A TIMELY SUGGESTION.

President Joshua Davies and Messrs.
Yates, Crimp, Brown and Wilson were
the only directors present at the regular
monthly meeting of the Jubilee hospital
board, last evening. Among the communications submitted, which met with
general favor, was the following form name of Martin & Langley.

An interesting shipment in the C.P.N. freight sheds yesterday was a consignment of ten registered homing pigeons, in transit from New York to Mr. Thomas W. Stonehouse, of Nanaimo.

Thursday's mail from the Mainland cities was brought down from Nanaimo by train yesterday, having been sent to the Coal City as soon as it was announced that the usual trip of the Islander had been cancelled.

There are just thirty little people in There are just the results of the Queen's public press, one of the celebration will be the enlarging of the Queen Victoria Jubilee Institute for nurses. It occurs to me that, inasmuch as our splendid institution is a monument of the Queen's jubilee, we might see whether it is not possible to enlarge the hospital in further commemoration of our

JANUARY was a somewhat busier month than December with the members of the city police force, as the appended statement of arrests will testify: Assaults, 5; aggravated assaults, 3; drunks, 14; playing in a gaming house, 1; vagrancy, 11; looking on at a gambling game, 1; indecency, 1; creating a disturbance, 3; thefts, 9; breaking and entering, 1; infractions of city by-laws, 5; malicious damage to property, 2; infractions of the revenue act, 8; infraction of the Indian act, 1; using threatening language, 1; and in possession of stolen property, 2.

REV. W. W. BAER, of Vancouver, who

From a musical point of view the choir singing was, however, the strongest fea-ture of the concert. Between thirty The week just closed has seen a number of important companies registered under the acts regulating joint stock companies, their object being almost in

CONTRADICTION.

To THE EDITOR:-Please allow me to Rithet. The company, which has its offices in this city, is capitalized at \$500,000 and is formed to take over and develop the Victoria, Queen and California mineral claims on Book and Victoria and one of the company of the company of the company of the contradict through the columns of your widely circulated journal the statement (copied from the Rossland Miner) that

> NEWS OF THE DOMINION. (Special to the Colonist.)

Dominion Delegates to Washington. OTTAWA, Jan. 30.—At a cabinet meet-Galena Mines, of London, Eng.; \$550,000.

Havre Gold Mining Co., of Rossland;
Minister of Trade and Commerce, and Hon. L. A. Davies, Minister of Marine,

> Montreal's Contribution MONTREAL, Jan. 30.-Mayor Wilson Smith will remit to the Governor-Gen eral in a few days \$20,000 as Montreal's contribution to the Indian relief fund.

> Strike of Garment Makers Hamilton, Jan. 30.—A big strike is threatened here by garment makers. The contractors have received their orders from Sanford & Co. The prices are generally reduced from 20 to 30 per cent. Hands to the number of nearly four thousand refuse to take the work at the reduced rate.

The month of January has been almost uneventful in shipping circles, there hav-ing been a total of but 108 entries recorded coastwise for the month and 109 pered 103 and the clearances 111.