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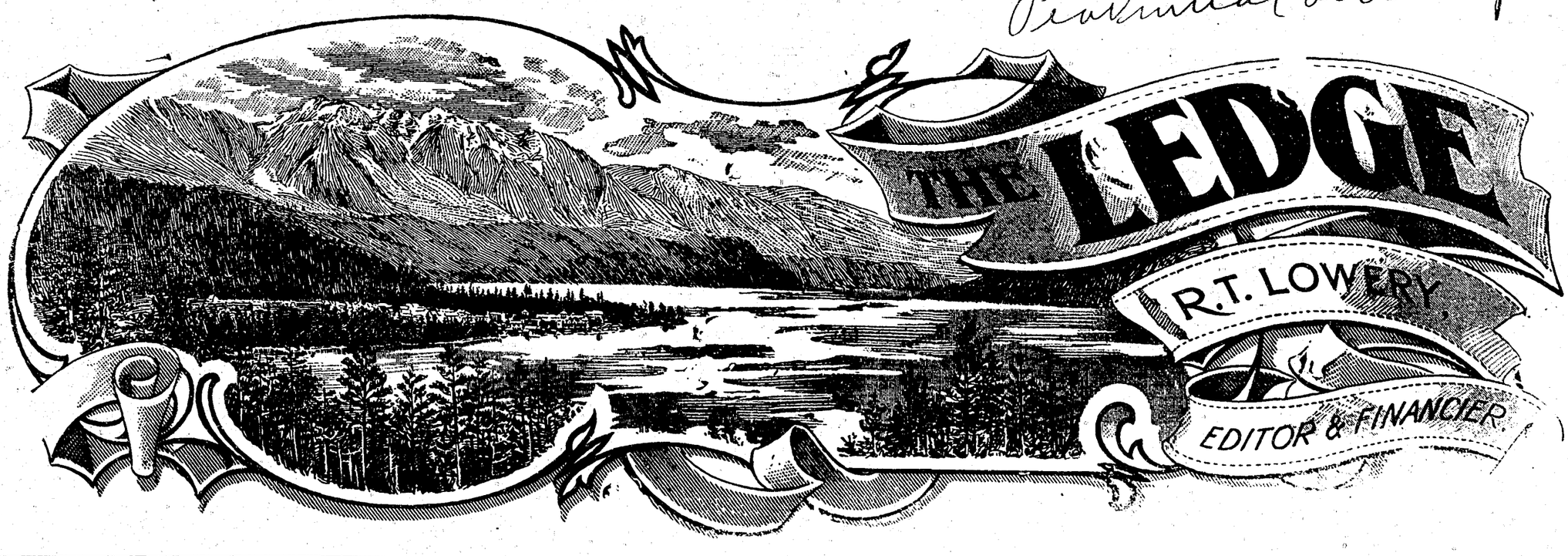


VOLUME IX. No. 28. NEW DENVER, B. C., APRIL 10, 1902. PRICE, $2.00 YEAR IN ADVANCE

General News Float

In and About the Slocan and Neighboring Camps that are Talked About.

LOCAL CHIT-CHAT.

Ping Pong at Nelson's Drug Store.

Miners are reported scarce in the Boundary.

Billy Perdue has returned to Nelson from Dawson

Agent Moir has been transfered from Slocan City to Nakusp.

A ball will be given at Slocan City by the M. U. General Hospital on April 25.

The Bosun was shut down tight the past week to await orders from London.

Smelter returns on the Duplex ore shipped some days ago, gave $70 per ton.

James Cross has bought James Horrie's interest in the Royal Hotel, Slocan City.

When the tourists come to town they will be found in Williams' store buying fruit.

J. F. Collom says that the profits of the Arlington mine were over $10,000 in March.

Nelson is clamoring for cheaper groceries, or more money with which to buy them.

The Four Mile road is badly broken up, making it impossible for the Hewett to get down ore.

The sawmill at Nakusp is reported to have resumed operations this week with a force of 40 men.

The remains of Father Pat have been sent from Montreal for interment at New Westminster.

Hauck & Harvey, who are working the Prescott under lease shipped two tons of ore last week.

As a matter of news, the Slocan Drill says, "Nothing new has developed in the mayoralty situation."

"Dad" James Black is visiting his brother John from Trout Lake City, as fat, fresh and forty as ever.

Max Heckman has disposed of all his mining interests in this camp and will go into Dawson with his brother.

W. E. Bois has lumped all his interests in mining properties in this and the Similkameen country and sold out.

Manitoba has voted No on the question of prohibition, giving a majority of 6000 against the enforcement of the act.

Captain Seaman has been transferred to the Kokanee, and Captain McLellan now turns the wheel on the Steamer Slocan

Miss Frieda Murk, for many months the pleasant goddess of the St. James dining room, has returned to her home in Vernon.

An open-air concert, the first of the Spring, was given Saturday evening from the band stand, and everybody turned out.

Miss Florence Jeffery was married last week at Nanaimo, to J. C. Low of San Francisco They will live in the California metropolis.

Extensive development work was started this week on the Eight Hour mineral claim, on Goat mountain, adjoining the Capella group.

The Marconi Wireless Telegraph Company has sold its American rights and patents to an American company with a capital of $6,150,000.

What is it that will come down a chimney down, and go up a chimney down, but will neither go up a chimney up nor come down a chimney up?

Joseph Genelle, the well-known lumberman, has been arrested and taken to Victoria, charged with being concerned in the burning of two steamers at Dawson.

[illegible] Thirsk, a native of Vice Vallon aged 28, and employed by the Edgewood Dairy Co., blew the top of his head off in carelessly handling a gun while out hunting last week.

Mrs E. Criddle died in Nelson last Thursday of heart failure. The deceased lady was a native of London, Eng., and was highly esteemed by a host of friends in the Slocan.

A. G Callan, a young man employed with the grading gang on the railroad, fractured his leg by falling over the embankment, last thursday. He is confined in the Slocan hospital

The Burlington Mining & Milling Co., operating the Iron Horse mine on Ten Mile, was incorporated last week in Spokane The company will resume work on the property as soon as matters can be arranged to do so.

Amos Thompson discovered a strong lead outcropping on his Goat mountain property east of the Mary Durham, the past week, bringing some very rich ore into town that was taken from the outcropping.

Rev. MacColl was called to Fire Valley last Friday to officiate in the interment of Peter Thisted, who was killed in a shooting accident. This was the first death that has occurred in that Valley since the first white family settled there ten years ago.

The Granby Smelter Co., is preparing to put in a compressor plant at the company's properties at Phoenix and to increase the capacity of the smelter to 2000 tons a day. The company has enough ore blocked out to keep the plant in operation for 15 years or more.

Ping Pong has hit the camp. There is no preventative known to the medical or scientific profession. The best way to take it is with sleeves rolled up, shirt waist open, hair bedraggled and a ding ping-pong sense of b ing clubbed with a goose feather, or playing hand-ball with a soap bubble

To insure now is to fulfill a present duty to your family or yourself, and provide for future needs The mutual Life of Canada will give you the largest returns for least outlay. Results count Over 30 years experience of practical test. Write to W. J. Twiss, General Agent, Kaslo, for rates, etc.

Foreman Long was down from the Fisher Maiden this week. He reports that they have two and one-half feet of solid ore in the workings, with about three feet of mineral-bearing rock along side. For the past 25 feet of drifting they have had a foot of ore showing in the face, which has gradually widened to the showing stated above.

Owing to the late arrival of the train from Nakusp and the uncertainty of the arrival of the Cosgrove musical organization, a small audience greeted them at Bosun hall last Thursday evening. But the entertainment was none the less enjoyable, and the audience was greatly pleased with the manner in which the program was carried out. Every instrument was in the hands of an artist and each number brought forth unstinted praise.

Last Thursday as the morning train was crossing the trestle near the station the engine jumped the track and all but went over the trestle. The front part of the engine and fore-wheels projected over the edge, and another half foot would have thrown it over. An engine was sent over from Nakusp, and the baggage and passengers were transferred. The wrecking crew was engaged until 1 o'clock the following morning getting the engine back on the track.

"THE COURSE OF TRUE LOVE."

Rev. J. H. White, of Nelson, delivered a very interesting and humorous lecture on the above topic in the Methodist church, Tuesday evening The lecture was greatly enjoyed by a fair gathering.

ONTARIO MINING LAWS.

As compared with the mining laws of Ontario, those of British Columbia are in every particular most liberal. In unsurveyed territory in Ontario, every regular mining location must be rectangular in shape, and of one of the following dimensions: Eighty chains in length by forty chains in width, containing 320 acres, or 40 chains square, containing 160 acres, or 40 chains in length by 20 chains in width, containing 80 acres, or 20 chains square containing 40 acres. No one person can hold more than 320 acres, and no company more than 640 acres, within a radius of 15 miles in any one district, and such areas may be composed of separate location of not less than 40 acres each; and such locations may be held for a period of two years subject to an expenditure of $3 per acre in the first year and $7 per acre in the second year for actual mining work, after which the holder must either buy the land from the Government or lease it for a period of 10 years The price per acre ranges from $3.50 to $2 per acre, according upon its contiguity to a railway, and whether it is situated in surveyed or unsurveyed territory. If the land is leased the rental for the first year is $1 per acre, and for each subsequent year from 15c to 30c per acre, depending upon location. There must be expended upon leased ground the same amounts in actual mining operations as upon land that is sold. At the end of ten years the lessee is entitled to receive a patent for the location.

Upon the failure of a delinquent co-owner to pay his share of the cost of development to the extent required by law his interest falls to the other owner at the expiration of 90 days from the date of serving notice.

In the Mining Divisions the law reduces the size of the mining claims to 990 feet square, containing 22½ acres, or of such other extent, greater or less, as may be fixed by regulation for any division; and no licensee shall stake out and record in the same mining division, within a radius of fifteen miles, more than four claims in one calendar year, and for each additional claim after the first staked out and held by him, he shall pay a fee of $10 a year in advance. The cost of a miner's license is the same in the mining divisions as in unsurveyed territory and is $10 per year.

In addition to the payment of the annual fee of $10 for each claim in excess of one, the holder must expend $150 annually in development work If the working conditions are complied with for a period of four years on a claim of 990 feet square, or for three years on a claim or lesser size, the holder may apply for and obtain a certificate of full performance of the working conditions for the claim free from any other further working conditions, renewal fee or miner's license to work the same, and also a patent or lease for the land embraced in the claim, free from any further working conditions and miner's license to work the same upon a survey of the ground being made and filed

A party wall of at least 15 feet shall be left between adjoining claims to be used in common by all parties as a roadway for all purposes for which it may be required

No boy under the age of 15 years shall be employed in or allowed to be for the purposes of employment in any mine; and no boy or young male person of the age of 15 and under the age of 17 years shall be employed below ground on Sunday, or for more than 48 hours in any one week, or more than 8 hours in any one day

The law has several provisions providing for the protection of workmen that the B C statutes are silent upon. Where a shaft is being sunk below levels in which work is going on, a suitable pentice shall be provided for the protection of workmen in the shaft.

A proper footway or ladder, inclined at the most convenient angle which the space in which the ladder is fixed allows, shall be provided in every working shaft where a man engine is not used, and every such ladder hereafter constructed in a working shaft shall have substantial platforms at intervals of not more than 25 feet, and no such ladder shall be fixed for permanent use in a vertical or overhanging position unless in shafts used exclusively for pumping

If more than ten persons to each shift are ordinarily employed in the mine below ground, sufficient a commodation, including supplies of pure cold and warm water for washing, shall be provided above ground near the principal entrance of the mine, and not in the engine room or boiler room, for enabling the persons employed in the mine to conveniently dry and change their clothes

THE MONITOR AND AJAX

At the present time, when shareholders in B C mines are generally complaining of losses and disappointments, it is interesting to hear of an English company which has every reason to be satisfied with their mining venture in that part of Canada, says the B. C. Review. The Monitor and Ajax Fraction, a private syndicate with a nominal capital of £55,000, has for some years past been operating the Monitor group of claims in the Slocan, near the small mining town of Three Forks. The syndicate appears to have carried on their operations with considerable judgment, and have the good fortune to possess a group of claims containing a strong vein of high-grade argentiferous galena with, what is rather unusual in the Slocan, good gold values. The mine, we understand, has now reached a profit earning stage, and this has been accomplished with the issue of little more than half of the nominal capital. The shipments of the Monitor for January exceeded 200 tons of ore, which it is estimated will yield an average net return from the smelter of about £15 a ton; of this the gold values represent about $20 The Ajax Fraction is the claim adjoining the Last Chance, which recently ran into a strong body of ore at a distance of 1,600 feet below the surface, the lowest workings at present of any Slocan property.

SLOCAN ORE SHIPMENTS.

The total amount of ore shipped from the Slocan and Slocan City mining divisions for the year 1901 was, approximately, 30,000 tons. Since January 1 to April 5, 1902, the shipments have been as follows:

	Week	Total
Payne		235
Ivanhoe		255
Sunset (Jackson Basin)	41	621
Reco	20	302
American Boy	20	308
Arlington	80	1011
Hewett		596
Bosun		420
Last Chance	20	130
Wonderful		60
Enterprise		240
Monitor		402
Queen Bess		142
Silver Glance		35
Whitewater (for March)	503	1698
Ottawa		7
Neepawa		60
Hartney		20
Marion		88
May		5
Paystreak		5
Surprise		20
Slocan Star	21	84
Duplex		7
Emily Edith	20	20
Prescott	4	4
Total tons	729	7045

SILVER AND LEAD QUOTATIONS.

April 1—	Silver, 53¾	Lead,	£11 7s6d
" 2—	" 54⅛	"	11 7s6d
" 3—	" 54	"	11 8s9d
" 4—	" 54	"	11 8s9d
" 5—	" 54	"	11 8s9d
" 7—	" 54⅞	"	11 8s9d
" 8—	" 54⅞	"	11 8s9d
" 9—	" 54	"	———

THE WAKEFIELD.

Chas. A. Sandiford states that a new company has been formed in England to work the Wakefield, and operations will commence in May, probably with Ward Macdonald as foreman. He also received a cablegram Saturday to ship 100 tons more of zinc ore to Antwerp from the Bosun, with the assurance of a permanent contract if the ore runs well in zinc. Mr. Sandiford states that the report in a Sandon paper about himself and father having been let out by the Northwest Mining Syndicate is incorrect W H. Sandiford, he says, will return to New Denver about the middle of May, or sooner if the price of lead advances.

110,000 BRITISH CASUALTIES.

The war office has issued a return showing the total losses since the commencement of the South African war, until February 28th, as follows: The total number is given as 89,193, as against 81,159 for the preceding month.

The detailed statistics of casualties are as follows: Officially admitted, 89,193; in hospitals and rest centres in South Africa (government figures) 14,000; colonial invalids, 1,000; civilian deaths, 2,500; casualties, including returned invalids, since March 1st, 1,000; making a total of 110,693

In addition the Boers took, and released, about 25,000 British prisoners.

The man who refuses to believe that honesty is the best policy is a born politician.

ELECTRICITY FOR THE SLOCAN.

The Byron N. White Company, of Sandon, this week [illegible] of water from the creek at Box canyon. The company contemplates erecting a powerful electric light plant to supply electricity for light and power purposes for Sandon, New Denver, Three Forks, Silverton, Slocan City and the mines in the vicinity of these towns. It is an undertaking that only a company like the White people is capable of handling, and when finally put into operation will mean much to the Slocan, and ought to pay rich dividends to the company.

Tourist Movement

What an Enthusiastic New Denverite Thinks Ought to be Done to Make it a Success.

An enthusiastic New Denverite who is at present visiting in the east, upon learning of the organization of the Tourist Association here writes:

"The tourist movement is sound, and is a strictly business proposition Kootenay can give exceptionally better value to tourists in climate, scenery, hunting, fishing, and interesting sights around the mines, etc., than any place in all the world, and I have seen quite a bit of this last myself and know what I'm writing of.

"The hotel keepers and transportation companies are specially interested in this matter, and I wish to point out that hotels for tourists will have to be more comfortable, convenient and better conducted than the Kootenay hotels, with few exceptions, are at present. Tourists won't come to Kootenay to get drunk standing around bars. They will want good beds, warm rooms, good meals, and everything homelike and comfortable

"New Denver should if possible get a good trail built up to the Slocan glacier, opposite the town, also have one or two rough but comfortable log cabins built as high up the trail as practicable for the accommodation of people who go up there. They need a place to cook lunches in, and if the weather should get bad, to shelter in. Special look out or view points should be selected and foot trails built to them or posts marking the routes erected.

"A small steam, naptha or electric launch should be put on the lake to carry people across from New Denver to end of trail, and this boat should be run by a man who is reliable and who knows the lake and the local weather indications. Everything should be done to prevent any visitor from meeting with an accident, exposure or too much hardship A very small percentage of tourists are fit to rough it. The best policy is to make the trip easy for them."

Speaking of the east he says: "There is something about these eastern cities that depresses my spirits. So many young men and women, able-bodied, fairly well educated, and very willing to work, yet apparently quite hopeless as to their futures. 'Class privilege' or legislation favoring those who now have money is the very root of the evil I believe.

"In Ontario, take mining for instance, the poor but able-bodied Canadian has no show to secure his share of the natural resources or wealth of the country. Those who have money get every chance, every privilege, to use their money to advantage, and all of the natural wealth of the country in the way of mineral lands, timber lands, etc. Ontario would become a fine mining country in the course of a few years if poor men could locate and hold mineral lands same as the prospectors of B C, but as I said before the poorer young men of Ontario have no show to get anything—they are only the 'hewers of wood and the drawers of water' in their own country Well may they go into the United States, where, as a citizen, they can at any rate get their share of the natural wealth of the country

"One of the obstacles to Canada's regeneration and advancement is gradually being removed The fossils of the old Conservative senate chamber are dying off and being gradually replaced by somewhat more progressive members What a fearful curse political parties are to Canada. I believe those Conservative senators would retard almost any measure, no matter how much or urgently required in the interest of Canada, if they could only break up or discredit their political opponents. How indignant they would be if told plainly they were traitors to Canada, yet so they really are for they in many cases put party first and Canada second'

A GREAT HOST.

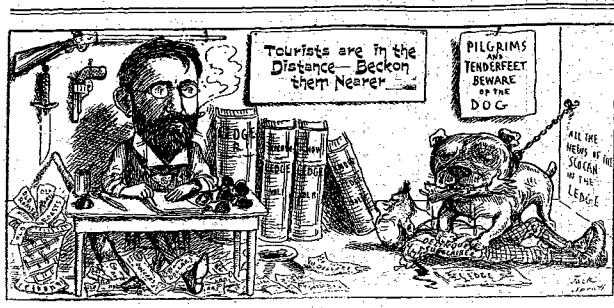
Our merchants and manufacturers would do well to devote a good deal of [illegible] Western Canada. Every day has its record of the arrival of batches of ingoing settlers. One day it is a thousand Mormons who have joined their brethren in Southern Alberta, the next it is a party of 100 English and Irish farm laborers. But the overwhelming preponderance of the rush of settlers is expected from the United States, and from this source a migration is looked for which will equal, if not surpass, anything of a similar kind that has ever taken place on this continent The Oklahoma rush of 1889 was thought to be the most remarkable movement of population that has been seen in this western hemisphere. It was certainly the most rapid. Within a few days 50,000 people went in to the land to inherit it. We are not going to witness any such high pressure settlement as that, but before the season of 1902 closes, unless all signs fail, a considerably greater number of home-seekers will have gone into the Canadian west than were engaged in the first rush across the Oklahoma border. The more moderate estimates are that at least 70,000 people will have taken up their residence in Western Canada before another harvest has been reaped, and the more sanguine estimates are put at as high a figure as 200,000

If the lower figure is the nearest to the mark it will be a sufficiently remarkable event, and its influence on the currents of commerce in the west will be wide and deep. The settlers from the United States are coming in, no doubt, with a great many of their wants already supplied, but, however well furnished with their main requirements, the sum of their unexpected or unprovided for needs will be great. It is thought in some quarters that these settlers from the United States will, for various reasons, prefer to procure their wants, even after they have settled in the new land, from the American towns where they have been accustomed to deal. It is scarcely credible that they would put themselves so much about unless they found that they got better goods and more suitable goods across the line than they do here. We should think that it would be well worth while to pay some attention to the preferences or even the prejudices of the incoming host, giving them such excellent quality and value for their money that any disposition to look to the old home for their supplies would quickly be removed. There is one thing, at all events, that the eastern merchant and manufacturer have to get a good, firm grip of, and that is the fact that this year will see such a transfer of population as this continent has not witnessed, to the same extent at least, for many a day.

The day of big things has already arrived for the west. The debate in the Commons on the grain blockade in Manitoba and the Territories contained revelations even for the well informed members of Parliament. It was stated even by those who complained of the blockade that the Canadian Pacific Railway had moved 35 per cent. more wheat and 125 per cent. more oats than it had done in the previous year up to the same time, and yet had made but little impression on the mountains of grain that still remain to be moved. The fall rains last year greatly delayed the threshing, with the consequence that the railway had but 43 days to move grain before the closing of navigation This was an unusually short season, and at the best the margin of time between the reaping of the crop and the closing of navigation will always be narrow. But what we are concerned with now is the magnitude of the production which the actual physical handling of the grain has demonstrated. The Canadian Pacific Railway has during the grain-moving season 7,000 box cars and 256 engines in the western division. In the transport of grain alone 3,000 of these cars were employed. If strung out along the track they would extend almost from here to Hamilton. Between the 1st of September and the 28th of December the railway delivered 11,281,101 bushels of wheat at the Fort William and Port Arthur elevators A great deal has since been moved, and yet the west still reeks with wheat. Every possible place of cover, except the churches, has been filled with wheat, and great pyramids of it have been piled outside and covered as well as the necessities of the case will allow. The situation is, as put by Mr. T. O. Davis the member for Saskatchewan, that 100,000 people all told have produced 100,000,000 bushels of wheat If we are going to add to these producers at the rate of 100,000 a year, the problem of transportation is bound to grow greater and greater, and that is the fact that the mercantile and industrial world of the east, as well as the railways and the Governmental authorities, must look at not as a question of the future, but a question with which they are face to face—Toronto Globe.

COST OF EDUCATION.

[illegible] expenditure per head of the population for common schools is $5.31; New York's $4.47; the average in ten other United States cities is $3.01, not including free books and original building costs. It might be interesting to compare with these figures the figures for British Columbia cities In 1900-1 New Westminster's expenditure was $3.12 per head of the population; Vancouver $2.75; Victoria $2.57; Nanaimo $2.70. The total cost of education in the province, including the cost of all buildings erected in the year was $4 a head of the population.



THE LEDGE is two dollars a year in advance. When not so paid it is $2.50 to parties worthy of credit. Legal advertising 10 cents a nonpariel line first insertion, and 5 cents a line each subsequent insertion. Reading notices, 25 cents a line, and commercial advertising graded in prices according to circumstances.

FELLOW PILGRIMS: THE LEDGE is located at New Denver, B.C., and can be traced to many parts of the earth. It comes to the front every Thursday and has never been raided by the sheriff, snowshoded by cheap silver, or subdued by the fear of man. It works for the trail blazer as well as the bay-windowed and champagne-flavored capitalist. It aims to be on the right side of everything and believes that half should be administered to the wicked in large doses. It has stood the test of time, and an ever-increasing patronage is proof that it is better to tell the truth, even if the heavens do occasionally hit our smokestack. A chute of job work is worked occasionally for the benefit of humanity and the financier. Come in and see us, but do not put the bull dog on the premises, or chase the black cow from our water barrel; one is savage and the other a victim of thirst. One of the noblest works of creation is the man who always pays the printer; he insures of a bunk in paradise, with thornless roses for a pillow by night, and nothing but gold to look at by day.

R. T. LOWERY, Editor and Financier.

THE LEDGE.

A pencil cross in this space indicates that your subscription is due, and that the editor wishes once again to look at your collateral.

THURSDAY, APRIL 10, 1902.

FROM THE EDITOR'S UPPER STOPE.

It is a wise town which knows its own tourists.

If you would be happy avoid extreme wealth or poverty.

The future of lead and silver looks brighter according to authorities upon that line of business.

This summer many a cow is born to brush unseen, along our picket fence, and waste her breath upon the water barrel.

New Denver needs a bridge across Carpenter creek, but we can hardly expect to get it until there is a Government at Victoria.

A specialist on mind diseases says that the world is going crazy. We believe him since reading the proceedings of the B.C. Legislature.

Canada should own all the banks within its borders, provided of course that politicians would not use the funds for their own purposes.

The coal man has been dethroned, but the ice man is about to step into his golden shoes. Thus are the fires of mortal misery ever kept burning.

The corset ruins thousands of fashion-mad women, but few parsons ever preach sermons upon it. They are too busy with the hells of the future.

The Sandon Paystreak called Jim Dunsmuir last week. Jim will likely throw his hand in the discard, and walk up the Canada Northern track looking for air.

Manitoba will stick to whiskey, having turned down prohibition the other day. Temperance people would do more good by agitating for state ownership of the liquor traffic.

No new smelters have been built or gold camps found at Kaslo during the past week. This is hard upon the Ozone of America, and may prove fatal to some of its inhabitants.

Calgary is looking up as a cow camp. They had one man for supper there not long ago with the prospect of having another for breakfast in the near future. Whiskey is a great provider.

The other Sunday while service was being held in a London, Ont., church a small goat wandered in and crowded his way up to the pulpit. Perhaps he thought the sermon was dry and needed a little butter.

As an empire Spain is dying, and it will be but a short time until a new form of government is established in that old land of art, wine and treasure. The sooner the change is made the better will it be for the common people.

There are still a few heathen in Rance. The editor of the Walkerton Herald was fined recently for working on the Sabbath by the influence of those who work the Sabbath for all there is in it. In future he should take a lesson from the hotels of Ontario and do his Sunday work when no spies are around.

Russia is filled with unrest judging from the numerous riots taking place within the Czar's dominions. The iron collar is getting too tight for the few millions who can read in that country, and there will come a day when civil war will put the Czar on the highway. Any change will help the masses in that land of tyranny and Siberian prisons.

John D. Rockefeller has millions in money, but is poorer than a printing office rat. He cannot eat a square meal and is bald-headed from worry. All his money cannot buy an appetite. With all his gold he is as thin as the ghost of an India famine. Probably if John would edit this paper for a few months his appetite might return, and we will change places with him, not that we care for money, but just to help John and add a little variety to our existence.

In the United States some of the railways are advertising in the east that there is plenty of room in the North-western States for settlers and laboring men. This is a lie. There is little room in those States for anyone without money as is evidenced by the thousands of penniless people in the west. It is criminal for the railways to flood the west with broken people, but they will continue to do it as they are in the push and you cannot knock them down with anything short of a revolution, and that will come in the States just as sure as it rains in April.

The Intercolonial railway in Canada does not pay because it is used by politicians to hold themselves in power. When men become honest government railways will pay. In Canada we have practically a set of thieves governing the people. All some of them think of is to do the country for the benefit of themselves, and the yap suckers who are ever at their heels. It would appear that being a successful politician in Canada means that you are endowed upon the one hand with all the sweetness of a confidence man, and upon the other with the grabbing proclivities of a red, roaring pirate. Canada must indeed be strong to furnish so many leaches with full skins of blood.

Vaccination is still prosperous in America. Thousands of deaths have been caused by it, but the people in their blindness still rush after it like a chicken chasing a bright colored fly. Newspapers everywhere talk about the power for good of vaccine and doctors still shoot it in the arms of ignorant victims. The introduction into the circulation of the dried pus from a running sore means the poisoning of the blood. The strong are able to resist its influence apparently without evil results, but the weak often get scarlet fever, diphtheria, pneumonia, typhoid and other diseases as a result of the weakening effects of vaccine. While the sore is inflamed vaccination may lessen the danger of acquiring smallpox, but by decreasing functional vigor it opens the door to all other diseases. Smallpox is only possible to those who clothe too heavily, eat too much, and do not bathe or exercise enough. It is also easily and quickly cured when properly treated. Vaccination should be prohibited as one of the greatest of evils to the human race. Its place is with the myths of the past.

The reports of big deals in the Lardeau is becoming laughable to mining men. That district is no doubt rich in prospects and unproven mines, but when the air becomes heavy with vapor from stock selling boosters it is time to make a few remarks. We have noticed that the parsons who desert the church for mining schemes are generally smooth liars, and will wheedle money out of the people on about the same plan as they once worked them from the pulpit. C. W. McCrossan has a rosy mind and at one time flew the Jesus banner and sold stock in the visionary gold ledge that runs through the main street of the New Jerusalem. Lately he has sailed with Mammon and blown the ozone full of Lardeau romances in order that the public can be emancipated from poverty or their money at so much a share. As a novelist McCrossan should stand with the great. His Triune romance is certainly a word picture that should be in the top story of fiction and next to the door. As a mining man he should crawl under a snowslide and fence his head with ice. His tactics as described by the local papers are old enough to be mummified and placed on exhibition in Toronto.

WASHINGTON'S BIRTHDAY IN THE PHILIPPINES.

Come here, yer brown faced dago, yer!
Come here an' stop yer prate!
Just let us see yer drink a toast—
"The day we celebrate"
Milwaukee beer is plenty here,
Fill high an' drink away,
To Washington, our Washington,
Whose birthday is today!

Here, sergeant, take yer bay'net there,
An' make him step up quick,
Just stab him once or twice; that's right
You oot yu know the trick.
Now blast yer eyes, yer nigger yer!
Yer see that loaded gun?
Well, fill that glass an' drink a toast
Yer General Washington.

'The cheek o' these air Kaklaks
Beats all I ever saw,
They don't appear to 'preciate
The drift o' white man's law.
No matter what you do for them
They're stubborn as a mule,
Else why don't they be grateful for
The blessin's of our rule?

Come here now, my dear dusky friend—
Just get around him, mates,
We'll make him taste the freedom of
The great United States
We've killed off every friend he had,
No matter where or how,
We're bound to make him loyal to
The flag o' freedom now.

Yer know what day we're havin? Well,
We celebrate the birth
Of one who was the father of
The greatest land on earth
He loved the people's liberty,
He fought for it an' won—
We fellows are his countrymen,
The great George Washington!

Well, whatcha tryin' to give us
In your broken lingo there?
Yer 'ooze the great George Washington,
His "name yu revere."
Get out, yer foreign beggar yer!
Hike, hustle, fly, begone!
What do you know of freedom—
Of our George Washington?

—Dennis A McCarthy.

NO CANADIANS IN B. C.

The British Columbia Bureau of Provincial Information thus divides the population of that great province by nationalities:

English	52,910
Scotch	32,076
Irish	20,641
Welsh	1,781
Chinese	14,680
French	1,004
German	5,881
Indian	25,508
Japanese	1,597
Norwegian	4,078
Swedish	2,818
Unspecified	1,400

Canada has no place among the countries to which the people of British Columbia trace their origin.

The fault is not with the people, they would be glad enough to class themselves as Canadians. The trouble is with the system of counting Canada's own children as Englishmen, Irishmen, Scotchmen, Welshmen or French.

The absurdity of the system is exposed by the British Columbia return. All the countries on earth figure among the places of origin for British Columbia's population except Canada, the one country that seems to have no children to be counted by the census-takers of a Canadian province—Toronto Telegram.

NEW ZEALAND'S PROSPERITY.

During the ten years since the Radical party came into power the population of New Zealand has increased 10 per cent, the exports 40 per cent, and the bank deposits 60 per cent. The wealth of the country per annum has increased from $5,700 to $7,600—a figure never dreamed of here in the south. The increase in the colony's debt is large—$50,000,000, or $200 per month—but the three quarters of it invested in railroads, land settlement, advances to settlers, etc., not only pays interest on the bonds issued therefor, but yields a profit of $800,000 a year to help pay the interest on the remainder. Even the remaining debt is indirectly profitable, as nearly all of it was incurred for new roads, bridges, and public buildings, and for the purchase of new lands. There is no war debt whatever to depress industry. The gains of the decade have been exceptionally marked during the past five years of international prosperity, and most marked of all during the year just ended. During this year the Government reduced railroad rates 66 per cent, in pursuance of its policy to reduce these rates whenever the reduction could be made and the roads still net the Government enough to pay the interest on their bonds. Instead of causing a deficit, this cut in rates was followed by such an increase in traffic as to yield the Government more than ever before. Further reductions were made in its Customs duties, postal rates, etc., but all these combined, instead of causing the loss of £380,000 (which would have resulted had not business increased), caused—or were followed by—an increase in the Government revenues amounting to £1,000,000. The widely circulated report that the Premier had confessed that the colony was approaching financial embarrassment had nothing back of it, it seems, except his statement to a delegation that new bonds could not now be issued for new undertakings except at a higher rate of interest, because (and this, of course, was omitted from the Tory reports) the rates of interest in the London money market had been advanced by the loans to carry on the Boer war.—New York Outlook.

SOLD HIS SEAT FOR $8.

Seats on the Philadelphia stock exchange are worth about $8,000 each nowadays. But a seat was actually sold a few days ago for $8 cash. This is how it happened:

It was one of those stormy days a week or two ago when business was unusually dull on the floor of the exchange. As it was noontime, comparatively few brokers were on the floor. Only three or four were observing stocks. Quickly rising from a chair one of the brokers cried out in a voice that attracted the attention of everyone that heard it:

"I'll sell my seat for $8!"

"I'll take it," immediately shouted another.

"I mean the seat of my trousers," replied the man who had made the offer.

"I'll take it anyway," unhesitatingly cried the broker who had accepted it.

Several seized and held the rush of offer, while another carefully cut out the seat of his trousers with a penknife. It was handed to the buyer, who solemnly paid the $8.

RUTH MINES ANNUAL MEETING.

The third annual meeting of the Ruth Mines was held a fortnight ago in London. The capital of the company was increased last year by the creation of 25,000 10 per cent cumulative preference shares of £1 each. A body of ore has recently been opened up from which a shipment of 27 tons showed values of 180 ozs of silver and 15 per cent. lead, which, as the chairman pointed out, being dry ores, are in much favor with the smelters, and the cost of treatment is therefore reduced. The outlook before the company is now improved as the smelter situation is far more satisfactory than for some time past. The company's manager, H. B. Alexander, who returns to B.C. shortly, was present at the meeting and gave an interesting explanation of the manner in which the new capital was proposed to be spent. The total expenditure for the year ending June 30th last, shows that the proceeds of ore and stock amounted to £17,816, against which the sum of £16,560 was expended in mining expenses, management and office expenses. The sum of £985 was written off for depreciation, and a balance of £11 was paid for income tax, although the year's operations resulted in a loss of £1,662. This matter possibly is explained in the auditors' report, which, however, does not appear to have been communicated to the shareholders.

OIL IN ALBERTA.

The reported strike of oil north of the international boundary has proved to be a fact; though not true as to location. The facts are as follows: A Calgary company has struck oil in a well which they are drilling on Cameron creek, in Alberta, about a mile and a half from the line. The well has now reached a depth of 620 feet. When the drill reached 280 feet, a slight flow of oil was struck, which made its presence known by accumulating on the water pumped from the well; shortly thereafter gas began escaping from the casing. The crude oil is of heavy consistency and dark green in color, showing a paraffine base. The small quantity that can be saved is not a marketable factor, but goes to show that the oil is there, and the supposition is that a large flow will be struck at 1000 feet.

This well of the Calgary company, which is the first to reach oil, is only about two and one-half miles from the International Company's ground, the formation and lay of the land being identical, and in the success of their neighbor they are much interested.—Fort Steele Prospector.

A PRIVATE STABLE.

James B. Haggin will build a $530,000 private stable on a $200,000 plot near his projected one and a half million dollar palace in Fifth avenue, New York.

The multi-millionaire copper king and horseman has completed the purchase of the 106 8x100.5 plot, Nos. 125 to 135 E. Sixty-third street. It is occupied by one four-story and four three-story dwellings. These will be demolished to make a site for the stable. The land cost about $200,000, and the stables will be constructed at a cost of $550,000, making a total outlay for land and building of $750,000. It will be the most elaborate private city stable in the world.

Mr. Haggin will soon demolish the Progress clubhouse on the north corner at Fifth avenue and Sixty-third street, to make a site for his $1,500,000 mansion. He paid $765,000 for the Progress club property.

At Zacatecas, one of the ancient mining camps of Mexico, the Bote property has a payroll of $30,000 per month and pays a monthly dividend of $80,000. It is a silver property with a little gold on the side and is owned by one individual, a Rodger Kerrison of England.

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How to Win and Keep Health

Talk health. The dreary, never-changing tale
Of mortal maladies is worn and stale,
You cannot charm, or interest, or please
By harping on that minor chord, disease.
Say you are well, or all is well with you,
And God shall hear your words and make them true.

Many people think that "physical culture" means to don a gymnasium suit and go through a few calesthenics. It means so much more than that. It means the science of living; how to be strong mentally, morally and physically; how to make the most of one's life; to know what to eat; how to take care of the body; how to exercise; how to rest. It is learning to control one's nerves. It is the science of becoming acquainted with one's self; to know how to get the best out of life. "For life is not to live, but to be well." I believe we have our lives in our hands, to do with them as we please, mentally, morally and physically. It is true we cannot live always, but we can live to be three score years and ten, and probably more if we take care of ourselves. I am not counting on accidents.

People eat too much, eat too great a variety, eat too often. They indulge too freely in stimulants, do not drink enough water between meals, do not exercise enough, and get too little rest.

If we eat wholesome food, exercise some every day, bathe often, sleep from seven to eight hours every night, leave stimulants alone, and keep our minds healthy, we can live on and on, a comfort to ourselves and everyone about us.

Nearly everyone I meet is a slave to the food habit. They say they cannot give up things they like. They would like to exercise, they will sleep as much as they can, but they want to "eat, drink, and be merry." "Why, what would life be worth if I could not eat what I like? I would sooner die than confine myself to a diet," is what I hear every day.

Dieting does not mean living on bread and water—far from it, but most people shrink from the word, "diet."

The seat of life is the stomach. Our health depends principally on what we eat. If a fireman puts soft, clean coal into his firebox, the engine is going to obey his every wish (if the machinery is well-oiled), but if pieces of rock, slate and metal are mixed in with the coal, something is going to happen. Our body is the engine, our stomach the firebox; we are the firemen, our muscles are the machinery. So let us put clean, wholesome, digestible food into our stomach (firebox). Let us exercise our muscles (machinery), and keep them well-oiled. How would it do for an engine to be oiled once a week or once a month? Just think how soon it would get rusty. To be in good condition we cannot exercise once a week or once a month. We must use our muscles every day; keep our blood circulating freely; keep our livers in good working order; keep clean, and lo and behold! We have a beautiful body, and a healthy look that will appeal to all we meet. Go to a gymnasium or to a physical culture teacher and be made over. It will be like stepping into a new world.

* * * *

Some woman want to be well; some want to be strong; all want to be beautiful. My opinion is that unless a woman is well and strong she is not beautiful. Health is the greatest thing in the world. I find that most people want to do just as they please, and want to be well at the same time. They do as they please, get sick, and then go to a doctor. Let us be strong and well. Let us find out the secret of living, and when we have found it, let us work hard to perfect this temple which God has given us. To be well we must eat healthful foods, exercise as much as possible, and sleep seven or eight hours every night. We must have fresh air in our sleeping rooms, and drink plenty of water between meals. I do not advocate the drinking of water during a meal, or even at the beginning or end of it. About half an hour before a meal drink a glass of water, and then an hour after leaving the table drink as much as you wish until half an hour before the next meal. Too much liquid of any kind is prejudical to digestion, because it delays the action of the gastric juices, weakens the digestive qualities, and overtasks the absorbents. Cold drinks check digestion by cooling the contents of the stomach to a degree at which digestion cannot proceed. Few people are aware how serious a disturbance even a small quantity of cold water, ice cream or any other cold substance will create when taken into a stomach where food is undergoing digestion, as this process cannot be carried on at a temperature less than that of the body, or about 100 degrees Fahrenheit. If the meal is mostly composed of dry foods, a few sips of warm or moderately hot water might be beneficial rather than otherwise, but I would suggest that no liquid whatever be used unless it be milk, not iced. Milk is a food, and in the country we find it much better than in the large cities, but it does not agree with everyone. Because Miss A. drinks milk and has a nice complexion, Miss B. goes in for milk drinking, and presently the whites of her eyes and her skin turns yellow, and she finds herself on the bilious list. Lime water added to milk makes it more digestible, but I think some people had better leave milk alone altogether except as it is used in cooking.

I am sure that drinking at meals is a habit, and that the mind can effect a cure. The habit should be discontinued wholly, and especially by those whose digestive powers are weak. If the food is of proper quality, and proper attention is paid to mastication, there will be little inclination to eat too much. I believe it was Ruskin who said he always chewed each mouthful of food until he had counted thirty. I am afraid, in this busy age, we cannot do that, but we can masticate our food thoroughly. Can you imagine a person chewing each mouthful thirty times at a railroad eating house, or the average man at the lunch counter?

"Bolting" one's food is a great mistake. The poor little stomach has enough troubles of its own without taking care of great pieces of food.

Everything should be thoroughly mixed with saliva before leaving the mouth.

When one drinks a glass or two, or three, or five, as I have several times observed, of water, one feels "stuffy" after leaving the table, and wishes he had not eaten so much. I wish everyone could know how injurious it is to drink ice water or iced milk, or any iced drink. If the heat of the stomach is 100 degrees Fahrenheit, and a glass of water at the usual temperature of freshly drawn well water will reduce the temperature to 70 degrees, you can imagine what a glass of iced liquid will do, or iced food of any kind.

WORK OF PRUDISH MINDS.

Elizabeth, in Woman's Physical Culture, speaks plainly and with force when she says: "The facts in the following case were laid before me recently by an acquaintance, who was justly indignant at the unwarranted stupidity, brutal ignorance, and coarse, ruffianly, and depraved comments vouchsafed by certain individuals of the male persuasion, who, with all of the prude's false self-modesty and virtue, were disposed to be throwers of stones at a young woman who had furnished photographs of herself in gymnasium costume for reproduction in this magazine.

"I want to state right here that Woman's Physical Development is free from the suggestive, the misleading, the objectionable than any publication I know of, excepting none. It teaches truth, and truth is purity in every phase.

"I am not accustomed to writing for men, but I desire to say something right here to the future mothers of men. Make it a point of your life to educate your boys to be something more than libertines and baser minded scamps. The men who stand on corners and leer at passing women, who see indecency in every gesture or pose, who gloat over everything that their diseased imaginations associate with sex, were not properly trained by their mothers. They never had the good common-sense facts of being, instilled into their minds. They were left to be educated by the lowest, the most irresponsible, companions of the street; by the tale of the drinking place, the anecdote of the brothel, and see what they have made!

"Of course the opinion of such men as these is valueless. It should not affect anyone, whether they think ill or well. They are in their depravity less worthy of consideration than the dog that bays at the moon, but because of this very fact you who are mothers should see to it that your boys do not go in the same way. That their minds are free from ignorance, that their imaginations are not allowed to batten on the misleading stories of low companions, and above all, that they are taught not to consider woman the weak tool of man, the constant "rake at heart" that the "bitter-hearted, vice-crazed, crooked little poet" Pope denominated her.

"Teach boys to respect women. Teach them that she is the world's most potent influence. That her purity is a thing sacred as religion, for without it life would dwindle away to lower and baser forms. Teach them to never give ear to the vile-minded man or woman, debased by association, who assails every woman, regardless of her condition, motives, etc. Physical development, while it does not teach the crucifixion of the flesh, teaches restraint, perfect poise, mentally and physically, and the highest degree of purity. Because one may venture to speak freely of ignorance and evils where there is a demand for perfect free speech, does not indicate that any anarchistic freedom in licentiousness may be advocated.

"There are of course persons always ready to cry down everything that does not coincide with their ideas of life. We are ready to meet such on any and all occasions and to submit the results of our colloquy to a jury of intelligent readers. We make no excuse for denouncing with all the vehemence we can command the prudish, weak-minded individuals, who persist in making believe that they can see sin and nothing but sin in any course of conduct that does not make pretense of being absolutely devoid of all functions, laws and demands of human life. They are the worst curse any age or country could have, and they deserve to be pilloried for public scorn."

VAPOR BATHING.

In a long article in Physical Culture a writer describes some of the beneficial effects of hot-air and vapor bathing. In the ancient days of Greece and Rome, he says, the daily bath was considered one of the greatest essentials of mankind, and their public baths were fitted up luxuriously. Physicians were not needed in those days, as a result of this practice. Not many people comprehend why the hot-air and vapor baths are so very beneficial, but the reason becomes apparent to those who give the subject a little thought. Every living person has about fourteen square feet of skin to take care of, and this is supplied with more than two million sweat glands, having ducts, the length of which, if placed end to end, would reach about two and a half miles. Besides this, the skin has over six hundred thousand sebaceous, or oil glands. When one's body is submitted to 150 or 200 degrees of heat the pores are quickly opened, and all the impurities of the body are thrown off. Those persons who are under the impression that the Turkish and Russian baths are one and the same thing, are greatly mistaken; they differ very decidedly. The Turkish bath is a dry, hot-air bath, and the Russian is a steam, or vapor bath: the Turkish is tonic in its effect, while the Russian is enervating. The cold bath is all right in its place, however, and taken before breakfast forms an excellent stimulant—the most natural one there is—for those whose constitutions are strong enough to stand it, as it shocks the heart, increasing its action and sends the blood to all parts of the system, flushing it, repairing waste tissue and producing a great tonic effect; but the dead epithelial cells, which collect on the surface of the body, are not entirely removed by it, and hot-air, vapor or hot water baths at fortnightly intervals are essential. As a hygienic and therapeutic agent, the cabinet bath has been rapidly growing in favor. Catarrh, rheumatism, Bright's disease, eczema, and even pneumonia, smallpox and hydrophobia are said to be cured by them.

There is no harm

In blowing your own horn so long as you have the right tune, and you bet your big Canadian dollar we have the rig'ht tune

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Two hundred pounds worth of Hams and Bacon just received. These Hams cannot be beat on Prices or quality.

Try our delicious Diamond (Cudahy) package Bacon—25c lb. Best in the world.

Choice Clams, big cans, 15c

NINE cans Choice Cream, 81

SIXTEEN pounds Granulated Sugar $1

Hold your orders for soaps. We are going to sell you Sunpaint factory prices.

Blue Point Oysters, big can, 35c

In ten days from now we are going to receive a big shipment of Strictly Fresh Eggs and we are going to give them to you at 20c a dozen. Place your orders with us for Eggs and Butter.

Ben Davis Apples, $2.45 box.

Groceries of all kinds at wholesale prices. We cannot and will not be undersold. We have two thousand dollars worth of Groceries to run off at Eastern Prices.

Everything in stock fresh and good.

Buy your month's or two-month's supplies and see what you save.

20 lb Cream Sodas, 25c

100 lb sack Granulated Sugar $5.40

But your sugar now for the Summer or you will pay $6.75 for 100 lbs before June.

Big Chicken Wheat Sale now going on.

Goods shipped all over the country.

Orders attended to at once

Mothers, Fathers, Uncles, Aunts, Cousins, Prospectors, Bachelors and Old Maids, don't forget the—

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For cheap Groceries. Write to us for prices, or call personally. You will save money by doing so.

The Agnostic knows that humanity must fulfill the universal law, and from low, amorphous beginnings reach up to moral nobleness and spiritual beauty. He knows that all society is experimental, all laws are tentative: that the stream of tendency does indeed make for righteousness, with many windings and much doubling back on its ways, but always flowing onward from the darkness to the light—from the narrow rock in the mountain to the broad and infinite sea. In the abhorrence which good men feel for crime he sees the ultimate destruction of crime; in the great Man-God which forms the ideal of all religions he sees the projection of humanity itself on the screen of the future; in the fact that this humanity has ever touched the level of Moses, Buddha, Christ, he sees the possibilities of the whole race.—Mrs. E. Lynn Linton.

NOTICE.

TO DELINQUENT CO-OWNERS:

To HARRY M. ADAMS or to whomsoever he may have transferred his interests in the Laughing Water and Faraway mineral claims situated in the McGuigan Basin, adjoining the Nobs and Red Cross claims, in the Slocan Mining Division of West Kootenay District, B.C.

YOU are hereby notified that I have expended $200.00 in labor and improvements upon the above mentioned mineral claims under the provisions of the Mineral Act, and if within 90 days from the date of this notice you fail or refuse to contribute your proportion of the above mentioned sum, which is now due, together with all costs of advertising, your interests in the said claims will become the property of the subscriber under Section 4 of an Act entitled "An Act to amend the Mineral Act 1901."

Dated at New Denver B. C. this 5th day of February, 1902.

D. A. MCDONELL.

NOTICE.

TO DELINQUENT CO-OWNERS.

To the legal personal representatives of J. W. LOWES, deceased, and to HUGH MCRAE, or to any person or persons to whom they may have transferred their interests in the Glencoe Mineral Claim, situated on the north side of Hume creek, in the Slocan Mining Division of West Kootenay District British Columbia.

YOU, and each of you, are hereby notified that I have expended two hundred dollars in labor and improvements upon the above mentioned mineral claim under the provisions of the Mineral Act, and if within ninety days from the date of this notice, you fail or refuse to contribute your portion of all such expenditures, together with all costs of advertising, your interest in the said claim will become the property of the undersigned under Section 4 of the Mineral Act Amendment Act 1901.

Dated at New Denver, B. C., this 27th day of March, 1902.

H. CLEVER.

$10 for $1 in one year is a fair profit. Buy Similkameen Valley Coal Company's shares and make it. **$90 for $2.50** was the profit made in four years in Crow's Nest Coal Shares.

The map shows the location of the Coal [illegible] and Red Cross Mineral Claims, Nelson District, British Columbia. Stock is being offered at 25c per share, [illegible] Mining Division of West Kootenay District, British Columbia. The Company owns a [illegible] Coal Mine, which is now producing coal, and will shortly be shipping. The Company has a [illegible] Coal Lands, which are being developed. The Company owns a number of Mineral Claims, and will also be [illegible] ASPIRGLA, the head office, which is at [illegible] Kootenay Valley Coal Company's shares [illegible] Stock will be [illegible] This [illegible] as fast as [illegible] event. For further information and prospectus, apply to THE SIMILKAMEEN VALLEY COAL COMPANY, Limited, Head Office, Nelson, B. C.

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Two hundred pounds worth of Hams and Bacon just received. These Hams cannot be beat on Prices or quality.

Try our delicious Diamond (Cudahy) package Bacon—25c lb. Best in the world.

Choice Clams, big cans, 15c

NINE cans Choice Cream, 81

SIXTEEN pounds Granulated Sugar $1

Hold your orders for soaps. We are going to sell you Sunpaint factory prices.

Blue Point Oysters, big can, 35c

In ten days from now we are going to receive a big shipment of Strictly Fresh Eggs and we are going to give them to you at 20c a dozen. Place your orders with us for Eggs and Butter.

Ben Davis Apples, $2.45 box.

BOSUN HALL PANTRY, J. F. Delaney, Financier.

For cheap Groceries. Write to us for prices, or call personally. You will save money by doing so.

CERTIFICATE OF IMPROVEMENTS

WHITE HORSE NO. 4, BLACK HORSE and FEDORA Mineral Claims.

Situate in the Slocan Mining Division of West Kootenay District. Where located: On Galena Farm Flat.

TAKE NOTICE that I, J. M. McGregor, acting as agent for Charles E. Hope, Free Miner's Certificate No. 86,258, intend, sixty days from the date hereof, to apply to the Mining Recorder for Certificates of Improvements, for the purpose of obtaining Crown Grants of the above claims.

And further take notice that action, under section 37, must be commenced before the issuance of such Certificates of Improvements.

Dated this 8th day of April, A.D., 1902.

KING FRACTION Mineral Claim.

Situate in the Slocan Mining Division of West Kootenay District. Where located: On Noble Five Mountain.

TAKE NOTICE that I, John D. Anderson, Free Miner's Certificate No. B 53,224, intend, sixty days from the date hereof, to apply to the Mining Recorder for Certificates of Improvements, for the purpose of obtaining a Crown Grant of the above claim.

And further take notice that action under Section 37 must be commenced before the issuance of such Certificates of Improvements.

Dated this 5th day of March, A.D., 1902.

J. D. ANDERSON.

HARTNEY, AUGUST FLOWER, SYLVANITE, EDITH, HUNTER, HUB AND HUB, EDITH Fractional and KINGSTON Mineral Claims.

Situate in the Slocan Mining Division of West Kootenay District. Where located: On Silver Mountain, west of the Merritme Mineral claim.

TAKE NOTICE That I, Wm. S. Drewry, acting as agent for John D. MacMaster, free miner's certificate No. B 53,224, intend, sixty days from date hereof, to apply to the Mining Recorder for Certificates of Improvements, for the purpose of obtaining a Crown Grant of each of the above claims.

And further take notice that action, under Section 37, must be commenced before the issuance of such Certificates of Improvements.

Dated this 30th day of January, A.D., 1902.

W. S. DREWRY.

NOTICE.

TO DELINQUENT CO-OWNER.

To GEORGE C. WHARTON, or to whomsoever he may have transferred his interest in the Lost Bear Mineral Claim, situated near Silverton, adjoining the Alpha, in the Slocan Mining Division of West Kootenay District, B.C.

YOU ARE HEREBY NOTIFIED that I have expended one hundred dollars in labor and improvements upon the above mentioned mineral claim under the provisions of the Mineral Act, and if within ninety days from the date of this notice you fail or refuse to contribute the above mentioned sum, which is now due, together with all costs of advertising, your interest in the said claim will become the property of the undersigned, under Section 4 of the "Mineral Act Amendment Act 1901."

Dated at New Denver, B. C., this 27th day of March, 1902.

H. CLEVER.

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THUNDER MOUNTAIN LOCATIONS.

There has been a great deal of wild and fantastic talk recently about "7000 locations" in Thunder Mountain district upon all of which gold-bearing rock had been found. Such wild, careless statements are not new with Thunder Mountain discoveries. That district has been known for several years as gold bearing, but did not become prominent in repute for extraordinary richness and extent until last fall just as the winter snows began to pile up. Up to that time, aside from the close neighborhood of the original discovery, practically no locations had been made, and there were few people in the district. The consensus of all statements as to the prospectors in the district, through the five or six months of winter, would not make the number average fifty for the entire period This would require to make the 7000 valid locations that each of the fifty prospectors should make each day a valid location and sink a shaft on it 10 feet deep. The mere statement of such a proposition is its refutation as an absurdity. Under the climatic and physical conditions not a tenth part of it is reasonably possible, and not more than a twentieth part of it is probable.

A few years ago the Buffalo Hump excitement was on. When, in the spring following the winter of the first rush in of prospectors, the clean-up of claims was made, some freaks in locations were found that Thunder mountain is very likely to reproduce this spring. As in Thunder Mountain district, the winter snow in the Buffalo Hump country was deep—18 feet or so where the mines were. In making locations, trees projecting above the snow were blazed and marked as location and corner monuments. If the tree was not too big the top was cut off and the stump was squared down into a corner post. It happened that a locator did this in locating a claim late in the winter on top of 18 feet of snow. It is even reported that he sold it immediately for cash, the buyer going out to organize a company. He had a valid location sure, for he had himself seen the claim and the properly marked monuments on it. Later in the spring, when the snow had melted down to 10 feet or so of depth, the same location tree was seen to have another blazing, marking and discovery location notice at the 10-foot snow level, antedating, by several months, the location notice described as posted on the tree 18 feet above the surface. The original locator under this notice naturally took possession of his own location, and to save trouble topped off the tree just above his notice. It is related that he made a cash sale before the snow disappeared down to the ground, the purchaser going out of the district with the deed in his pocket to buy a stamp mill In his absence the snow all melted and on the same tree-stump, about four feet above the ground, was disclosed a marking and notice of location made in the preceding fall, clearly the original location of the ground. The locator who made this original claim then appearing, resented the attempt to jump his claim, and to save further trouble topped the tree stump off about 5 feet from the ground and sold his location to a company.

SCIENTIFIC MISCELLANY.

The Kennedy, Amadore county, is the deepest California mine shaft—2550 feet vertical.

A cubic inch of water evaporated at atmospheric pressure will make a cubic foot of steam.

It is estimated that $90,000,000 represents the investment in machinery in the gold mines of South Africa.

The cost of sinking a three-compartment shaft 7x20 feet in and around Butte, Mont., varies from $20 to $25 per foot.

The development of a mine is exploration. The steping and working of a mine after it is developed is exploitation.

With 130 feet fall 450 cubic feet of water per minute would give, with a good water wheel, a practical efficiency of about 85 H. P A 24-inch pipe would carry the water 1200 feet with a head loss of about 2 per cent.

If the shanks to machine drills crystalize and break, heat the shank to low red heat and cover from the air in ashes or dry sand to anneal.

The reopening of the Great Falls, Mont., smelter, the Mining and Scientific Press says, is because the Great Northern railway will change from Great Falls to the Canadian line from narrow to broad gauge, when the smelter will not be a Canadian area, it will use infusible and water power substituted for steam.

When sharpening and tempering drills, leave the sets on the forge until [illegible] then heat the bits cherry red, but not the body of the steel, dip in clean water, moving slowly down, then out, leaving heat enough in the body of the drills to toughen the bits by starting temper to show color. Check color by cooling in slack tub.

Heating for forging is, in its way, quite as important as heating for hardening; care and uniformity in the application of heat in the first instance is very essential. Should the steel be overheated in this operation no care afterward in hardening or tempering will remedy the evil. The blast should be watched to see that thin or exposed edges of steel do not get too much fire. In tools carrying a cutting edge, finishing cold and hammer hardening is beneficial.

The Idaho law of mining claim location requires the sinking of a shaft or an excavation of 10 feet depth below the lower rim, and in this work 160 cubic feet of earth or rock must be removed. The ordinary shaft, 4x4 feet and 10 feet deep, or a tunnel 4x4 feet and 10 feet long, complies with the law. Sixty days from notice of discovery and location is allowed for this.

Sinking through excessively wet ground is made practicable, where the effort and expense are deemed advisable, by a set of bore holes being first made around the proposed site of the shaft, two pipes being lowered down each bore hole, one inside the other, the outer one being closed at the bottom A calcium chloride solution at a temperature of 20° below freezing point C. pumped down the inner tube, and rising in the annular space around it, it extracts heat from the surrounding strata sufficient to freeze water therein, an icy sheath forming around the outer tube in each bore hole, the sheaths growing and coalescing into a ring of frozen matter, impervious to water, encircling the site of the shaft, sinking then going on in that gigantic cylinder of ice-bound rock. When the water-logged strata are passed through, an iron lining is built up inside and the icy envelope allowed to thaw.

IN THE LAUDEAU.

Trout Lake Topic.

A four-foot lead showing free gold is reported to have been struck on the Steve-Namon on Lexington mountain, near Comaplix, by Owen Rowland and partner.

W. Hamilton is applying for a license to open a hotel at Comaplix.

A deal is on for the Horseshoe, on Trout creek, and it is said the property will go to American copitalists.

There is upwards of 1000 tons in the ore sheds recently completed for the Silver Cup and Nettie L mines, at the Landing.

The site has been selected for the hospital to be built at Trout Lake City. It is on the Piper property across the mouth of Lardeau creek near the lake shore.

A NICKEL COMBINE.

It is reported that the New Caledonia and Sudbury nickel mines have been consolidated into one ownership. This makes a practical monopoly of the supply, and as the president of the United States Steel Co. is reported to be the organizer of the consolidation, it probably anticipates ultimate absorption by that company. It may be assumed that the sale price of the metal will be kept where it is if not increased. The owners of nickel claims should find in this situation much encouragement to the development of their properties.

Here is the way a certain young man of the town sizes up his girl: "There is a gladness in her gladness when she's glad—there is sadness in her sadness when she's sad; but the gladness of her gladness nor the sadness of her sadness is nothing to her madness when she's mad"—Ex.

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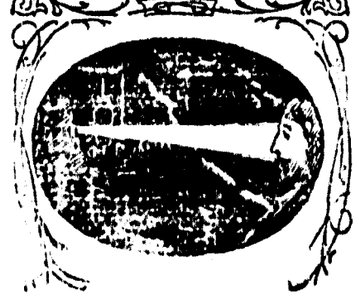

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