# THE ADVANCE.

Vol. III, No. 11. MIDWAY, BRITISH COLUMBIA, MONDAY, JULY 14, 1895. $2.00 per Year.



## W. T. Shatford & Co., : : General Merchants.

We beg to inform the public in and around

Camp McKinney

That we will open a BRANCH STORE at said place on or about

The 1st of July

and will carry a complete stock of General Goods, such as we now carry at Fairview. Your patronage is solicited, and we assure you that we will sell goods of the BEST QUALITY and at prices UNEQUALED in this section of the country,

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Pleasantly Situated at the Foot of Okanagan Lake.

Stage Connection with SS. Aberdeen to Fairview, Osoyoos and all points in Washington.

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Good Boating and Fishing. Row Boats and Sail Yachts for Hire.

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Dry Goods, Groceries, Ready-Made Clothing, Hardware, Etc., Etc.

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Coast cedar worked into furnishings a specialty.

All kinds of lumber, laths and shingles kept in stock.

The Best of Material Always Used.

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Sawmill on Okanagan Lake, handy to shipment.

Sash and Door Factory on C. P. R., Vernon.

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Rough and Dressed Lumber

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GENERAL MERCHANTS.

Dealers in Groceries, Dry Goods, Boots and Shoes, Hardware, Clothing, and Supplies of all kinds. A specialty made of Home Cured

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Write for prices.

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Irrigation Projects, Engineering and Survey Work, with Plans and Estimates in any Portion of the Province Immediately Attended to.

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Samples for Assay From a Distance Will Receive Prompt Attention.

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All Kinds of Assays and Analyses Carefully and Accurately Performed.

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Care of Strathyre Mining Co., Fairview, B. C.

TERMS—Gold, Silver or Lead, each $1.50; Gold and Silver, $2; Nickel, $5; Copper, $2; Copper, Gold and Silver, $3. Other prices on application.

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The Okanagan-Spallumcheen Dists.

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In Africa, Australia, America, and also in Canada, including the Province of British Columbia.

It Will Not Cost You more than $4 per ton to extract from 90 to 96 per cent of the assay value of your ores. Send samples to us and we will report thereon free of cost, provided freight is prepaid. Call and see us or write to

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SUPT. EXPERIMENTAL WORKS,

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General Merchandise.

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At Lowest Cash Prices

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QUASSIA CHIPS AND WHALE OIL SOAP

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Spectacles and Eyeglasses.

SOLE AGENT FOR

Chas. Cluthe's Columbia Wire Truss,

The Lighest and Most Perfect Truss in the Market.

FOR : A : SHORT : WHILE ONLY :

## COFFEE

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25 CENTS 25

## Reservation Trading Co.,

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BUTCHERS,

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Meat delivered at Rock Creek and all the Mining Camps.

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Fine Watch Repairing a Specialty.

All Work Warranted. 63-2m

D. McDUFF,

General Blacksmith,

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All Kinds of Work Executed to the Satisfaction of Customers.


### LONG LAKE CAMP.

**The Most Recent Addition to the Mining Camps of Boundary Creek.**

Long Lake Camp.—Long Lake is the name now generally applied to Boundary Creek's new gold camp, which was first brought to public notice early in the month of May, 1895, when Messrs. Bosshart & Dittmer located the Gold Drop and Jewel claims.

Immediately after the richness of these strikes was proclaimed, a stampede of prospectors occurred into the camp, resulting in the location of numerous valuable claims.

The camp is situated about 4 miles in a north-westerly direction from Summit Camp, and is reached by a trail branching off from the old Eholt or Summit trail, just above the meadows from which it is distant some four miles.

A wagon road on very moderate grades could be built up Granite creek to the camp, at a small outlay.

The character of the ore is mostly free-milling quartz, carrying from a few to many hundred dollars gold per ton; while in some of the claims, a notable quantity of silver is found, occurring as Argentite or silver glance.

The width of the veins is from 1 to 5 or 6 feet; the strike of those on the east side of the lake being a little east of north, and all dip to the east.

On the Gold Drop, however, a cross vein nearly at right angles to the general trend has been found.

On the west side of the lake, while some of the veins strike in the same direction as those on the east, others strike in a north-westerly direction.

The formation is a mica schist, while off to the north a quartzite belt is found, and then the granitic rocks appear. This belt of schists and quartzite is probably very extensive, and I am informed that it has been traced to the west and northwest, a distance of several miles. Here undoubtedly is a great field for exploration. Development work thus far consists of an 18 ft. shaft on the Gold Drop, showing up an 18 inch vein. A shaft has also been started on the cross vein.

An incline has been begun on the North Star. The vein here is over 2 feet wide, and some beautiful specimens of free gold and silver ore have been taken out. An 8-foot shaft is sunk on the Silent Friend vein; and a shaft is in progress of sinking on the Golden Eagle.

On the Laura, south extension of the Gold Drop, several long shallow cuts have been made for the purpose of intercepting the vein, which is here apparently capped over. The vein certainly crosses the Laura claim, and a little more work on the part of the proprietors of the "Lucy Irrigation Works," will be rewarded with a mine equal to any in the camp.

Six claims have been located on the "Gold Drop" vein. On the "Jewel" vein to the west, and just above the lake six claims have been located. Only a little work has been done on this vein, but with satisfactory results. On the Jewel the vein is five feet across in places—a free milling quartz.

On the west side of the lake, about ten claims have been located, an eight foot shaft has been sunk on the "Roderick Dhu"; the vein is from 15 to 18 inches wide, and assays high in gold and silver. Work will soon be commenced on other claims on this side of the lake. The work thus far accomplished on all the claims of this camp, is of the most encouraging nature, and for the short space of time the camp has been struck, none in the northwest has a better record.

For the prospector, a wide field for profitable exploration is here opened, while for the intending purchaser and investor, opportunities for safer and more profitable investment are rare. The camp is well favored, as regards facilities for mining and treating the ores; a down grade from all the claims to Granite Creek (which heads at the north end of the lake); sufficient water in this creek all the year round for milling purposes; power enough can be developed to run a stamp mill within a mile of the lake, there being a 60 foot drop in the creek in that distance, a good mill site; an abundance of timber for all mining purposes; and plenty of ore of a character now so much in demand, gold. Little else is to be desired by the average investor; and with all these conditions, capital will not be long waiting to take hold of these properties.

Ere long the now quiet solitudes of Long Lake will echo and re-echo the drop of stamps, the clashing of machinery, the wild scream of the steam whistle; this and more is highly probable

H.

### Mining in Africa.

To give an idea of mining operations in Africa, it may be stated that Herr Schmeisser, a German expert, in his report on some of the properties there, stated that in the section of the Randt between the United Langlaagte on the west, and the Glencairn on the east, a distance of some twelve miles, and taking a depth of 6,000 ft. from the outcrop, the probable amount of gold was 400 millions sterling, of which 20 millions had been extracted; but owing to the discovery that the flattening of the dip of the reefs will enable mining to be carried on to a distance of 10,000 ft. from the outcrop, and to the fact that the auriferous area is now known to extend ten miles east and west further than was relied on, should the reefs continue to maintain there regular character the amount of gold to be extracted will probably be nearer double the estimate. The companies who control practically all those extended deep-level claims are the Consolidated Gold Fields and the Randt Mine (Limited), who have been quietly buying up all the ground to the 10,000-feet limit, and looking, say, twenty years ahead, when all the existing outcrop companies have worked their claims out, the whole future of the Randt will be in the hands of these two companies.

How different is this state of affairs, this looking ahead for twenty years, to that with which we are accustomed in this country. There we find companies able and willing to purchase property, miles away from the main outcropping of the reefs; whilst here, with equally as good ore, and in many cases better, it is difficult to get companies to invest money in properties, where not only the surface shewing is everything that could be wished for, but also owing to the different character and disposition of veins, over reefs, 1500 feet square of ground, may be considered to furnish a sufficient amount of material upon which to labour for a space of twenty years with perhaps equally as good results. When the African mines have fallen into the hands of a few companies such as the above, and the richer mineral lands are becoming scarce, then it may be, some of the smaller companies will turn their attention to the West instead of to the East; and America, and more particularly British Columbia, be made to feel, as is Africa at the present time, the influence of British capital.

## FOREIGN MINING NOTES.

### MEETING OF SHAREHOLDERS.

The shareholders of the Parrot Silver & Copper Company held their annual meeting on Tuesday of last week at their Butte office. The following board of directors was elected: Franklyn Farrell of Ansonia, Conn.; A. F. Midgeon of Farrington, Conn.; G. B. Turrell of South Orange, N. J.; J. H. Matthews of Bridgeport, Conn.; A. M. Holter of Helena, and J. E. Gaylord and Andrew J. Davis of Butte. The directors will elect officers in the East.

### CAPITAL FOR BOUNDARY CREEK.

The Boundary Creek Mining Co. has been ushered into existence in Spokane, with a capital stock of $1,000,000. The incorporators are Chas. Theis, G. K. Reed, C. Monteith, M. Monteith, S. J. Rosenthaupt, S. H. Mayer, S. Rosenhaupt, S. L. Burbridge and S. D. Waters.

### CHAMPION CREEK.

Champion Creek, situated 12 miles from Trail, is attracting considerable attention. Many promising claims have been staked.

### ANOTHER SALE.

Seattle capitalists have purchased the Butte, on Trail Creek, for $10,000, from R. Thompson, J. M. Burke, G. Upton and W. D. McFadden.

### NEW FREE MILLING PROCESS.

Experiments have recently been made by Professor Kinsey Lanius of Spokane, at Baker City, Or., upon Trail Creek ores, with results that will interest all mining men. The Le Roi, Josie, Cliff, O. K., and War Eagle each gave him two tons of ore for experimental purposes. Of this ten tons he shipped 600 pounds to Baker City to run it through a mill. A telegram was received from him last night by C. Crossman stating that it is a complete success, saving 95 per cent. of the Le Roi gold, War Eagle 97, Josie and O.K. 100.

This is a secret process, including the application of a solution by means of a battery in the mill. It becomes a free milling process, calculated to dispense entirely with smelting, and treating the ore on the ground.

Mr. Crossman has the fullest confidence in the feasibility of the new discovery and believes that mills will be erected in the Trail Creek camps for the treatment of ore at the mines. He says the ore can be treated in this way for $1 a ton. At present the freight and smelting charges amount to $14,

# THE ADVANCE.

STUART & NORRIS.....PROPRIETORS.

Published weekly at Midway, B. C.

Subscription Price, $2.00 per annum, payable in advance, either yearly or half-yearly at the option of the subscriber.

Advertising Rates sent on application.

Though the columns of THE ADVANCE are always open for the discussion of matters of public interest and importance, we do not necessarily endorse any of the opinions expressed. Correspondence of a personal nature will not be published.

MONDAY, JULY 15, 1895.


## "AN INDUSTRY ENCOURAGED."?

The Colonist in a recent issue, with a great flourish of trumpets, and with a dignity worthy of so notable an event, announces that the paternal McKinley Government, evidently anxious to make amends for a hitherto tardy recognition of the mineral wealth of the great western province of British Columbia, is about to tender her "substantial aid," that the "infant and struggling" silver smelting industry may be enabled to arrive at a decent maturity. The announcement, we trust, will properly impress "the inhabitants of every part of British Columbia."

It is indeed pitiable that we can not rest content with this comforting assurance. If we could but assume an attitude of childlike trust, what visions in that delightful atmosphere of irresponsibility could we not conjure up of all the "substantial aid" would do for us. How in every mining centre, smelters would arise as by magic; how the enormous output of the silver mines of British Columbia, would become, conversationally, of even greater general interest than atmospheric phenomena; how in a very short time we would able to laugh at the shabby-genteel pretensions of Croesus; and then how we would thank the good, kind Government, and sing hymns of praise and adoration to its beneficent National Policy.

Alas! for the best laid plans of mice and men. The castles built so skilfully in the air, vanish as the morning mist before the sun; the rose-colored dream crumbles away as rapidly as a mummied Pharoah when a rest of centuries is broken by sacrilegious hands. Our "substantial aid" after all resolves itself into "questionable aid"; an aid on a level with the kind of inducement held out by some petty, country village, to obtain for itself the establishment of a jam or butter factory.

Thus is silver smelting to be encouraged: a sum of $150,000, payable within a period of five years, is to be devoted as a bonus, "the payment for each ton of ore smelted not to exceed 50 CENTS." At any other time such an offer would be unworthy of consideration; upon the eve of a general election it becomes contemptible. In, however, endeavouring to reconcile a "catch-vote" policy with economy,—though the latter term is not used in its best sense—the Government has over-reached itself. The ridiculously inadequate sum that has been voted, cannot in any way be recognised as likely to effect the object to which it pretends. Even were otherwise the case, the mining portion of the electorate would hesitate before allowing so late a partial recognition of what is due to the country (and recognition in the form of bonus or increased duty is the reverse of what is desired) to influence their opinion that the class-legislative policy of the Conservative Government has been the bane and the hindrance to the development of the province, richest in natural resources, of Canada.

Is iron to be regarded as more important than siver smelting? Yet the iron smelting industry of Ontario receives as a bonus exactly four times as much per ton as that which is to be appropriated to encourage the smelting of silver. Even with this encouragement, the iron of Ontario hardly holds its own.

But we do not require assistance in this form. The miners of British Columbia have a sufficient faith in their country, to believe that given fair play and freedom, the right to buy their machinery and provisions in the cheapest market, that which the Colonist calls "an infant and struggling industry" will not require to be brought up in a hot-house atmosphere, or to be pearished with Government pap; but with the removal of restrictive duties, and with the inevitable progress which would immediately follow upon the adoption of such a course, grow into a sturdy youngster, able very well to take care of itself

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Complaints are freely expressed as to the state of the trail, which passes through Atwood and White and Central Camps, and crosses over Boundary Mountain, between Grand Prairie and this place. A severe wind storm last spring, had the effect of prostrating a lot of timber on the mountains, much of which fell into and across this trail, rendering it almost impassible. And as it is a trail that is being very much used, owing to the fact that it furnishes the shortest route between the above points, no time should be lost by the authorities in having the obstructions removed, so that no impediment may stand in the way of travel.

### Rolls of Honor.

Our Kettle River correspondent omitted in last week's notes, to make mention of one of the most important features, both to parents and recipients, of the school examination and distribution of prizes, viz, the donation of rolls of honor to the following pupils: Miss Ella Paton, for proficiency; Miss Jessie Paton, for punctuality and regularity; Miss Belle McLaren, for deportment.

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## CORRESPONDENCE.

### SOCIAL QUESTIONS OF THE DAY.

To the Editor of THE ADVANCE:

Sir,—I feel highly complimented that you have deemed my off-hand and rather desultory talk upon the labor question, to be worthy of attention in your paper.

The brevity of my remarks necessarily made some of my reasonings obscure. I consider the formation of trusts and combines as conducive to progress because they are examples of co-operation among producers; and the able men who control them are proving how industries can be concentrated and managed economically by a few men. These men unconsciously are preparing these systems of production for public control, in the time when people shall awake to the oppression of monopoly, and decide to manage their own affairs in the common interest. They will then find the methods of co-operative effort, solved for them by men whose only motive was personal gain.

As to your comment on the utilitarian doctrine "do right because it is to your worldly advantage," I would insist upon this secular philosophy of making it for the interest of people here and now to be good, instead of offering them harps and crowns in a future problematical existence. People have been preached to with but little result; but if inducements to evil conduct were lessened, and the conditions of society, made prosperity a natural result of right conduct, we should see a vast improvement in morals.

ROBERT C. ADAMS.

[Although Capt. Adams has certainly made somewhat clearer the statements which we presumed to criticize, nevertheless, with all deference to so reputable a sociological student, we still do not admit that he has successfully combatted our contention, which, it will be remembered, was that to reconcile "trade combine" with social progress implied a contradiction of terms. Capt. Adams distinctly begs the question in his reply, merely maintaining that as "object lessons" trusts and combines are useful. On precisely as logical grounds, it could be proven that the National Policy was conducive to the progress of the people of Canada, as instancing how a few may grow rich, by co-operative effort, at the expense of the many. A conclusion, with which Capt. Adams would be the last to approve. Meanwhile an evil exists, disastrous in the extreme to the interests of the poorer classes. Wrong can rarely make right; and monopoly, as Capt. Adams has already told us is among the greater evils of the present day.

Neither are we convinced as to the soundness of our correspondent's "secular philosophy." John Stuart Mill, himself, possibly the most eminent of the Benthamites, recognised in moral suasion a most effective force; and the parson's influence as of greater value in the restraint of crime than the fear of punishment that might be inspired by a sight of the police-constable, representing the majesty of the law. "Humanum est errare," which being interpreted means, "you can't make men moral by act of parliament." The new Utopia of which Capt. Adams dreams, can only be possible when men have already attained to a standard of transcendental moral excellence, or been reduced to the level of cattle, when a moral code would necessarily be superfluous. From one point of view his doctrine is true enough,—and trite. The proverb "Honesty is the best Policy," is, we believe, of pre-historic origin; but when we take this maxim as the mainspring of moral guidance, existence is limited to consideration merely of personal gain, a state of affairs which surely does not agree with Capt. Adams' humanitarian view of life, "Each for all, and all for each." Ed.]

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### POLICE COURT.

On Wednesday last, at Rock Creek, before Justices of the Peace R. G. Sidley and James Kerr, the case against Ah Kee of that place, which had on two former occasions been adjourned, in which he had been accused by one, W. McKane of supplying liquor to an Indian woman named Susette, was finally dismissed, as the case for the prosecution fell through. Mr. H. Nicholson appeared for the defendant. The informant McKane was taxed with the costs of the Court, being given one month in which to pay the same; or in default of payment, one month's imprisonment.

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J. A. Coryelle, C. E. having completed the survey of several properties in Greenwood Camp, has moved over to the Summit Camp, and is busily engaged defining the boundaries of the Emma, Jumbo, Cordick, and other claims.


# T. ELLIOT,

## General Merchant,

FAIRVIEW, B. C.

Keeps the Largest and Best Assorted Stock of

Groceries, Dry Goods, Boots & Shoes, &c.

any place south of Vernon, and sells on terms to suit the times
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FULL WEIGHT AND MEASURE ASSURED.

# A. J. SPROLE'S EXPRESS STAGE LINE

GOING SOUTH

will leave Penticton 7 a. m. every Tuesday, Thursday and Saturday, arriving at Fairview 1 p. m., and Oro, Washington, the same evening.

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will leave Oro, Washington, 7 a. m., Mondays, Wednesdays and Fridays, reaching Fairview at 11 a. m., connecting with SS. Aberdeen and S. & O. and C. P. Railways.

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SHERBROOKE, QUEBEC.

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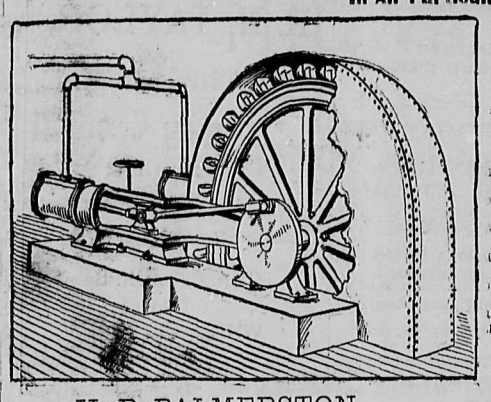
In All Particulars the Best.



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Agent for Midway and District.

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Manufacturers of All Kinds of Carbonated Drinks, Including Ginger Ale, Sarsparilla, Club Soda, Lemon Soda, and Cream Soda.

CHAMPAGNE CIDER.

A Specialty Made of

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All in Pint and Quart Bottles. Write for Prices.

# BOUNDARY FALLS DIRECTORY.

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BY APPOINTMENT
RESIDENT PHYSICIAN TO KETTLE RIVER DISTRICT.
OFFICE : : : BOUNDARY FALLS.

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Centrally Located Stopping Place for Three Different Stage Lines, No Trouble or Expense Spared to Make Guests Comfortable. Strictly First-Class and Charges Moderate.

Best Brands Liquors and Cigars - - - Good Stabling.

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A GOOD STOCK OF

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RECEIVED THIS WEEK A LARGE SUPPLY OF

Men's and Women's Shoes,
Dress Goods, Hats, Ribbons.

Orders Taken for All Kinds of

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General Teamsters and Freighters,

ROCK CREEK, B. C.

Rates from Penticton to Camp McKinney, Rock Creek, Midway and Boundary Falls, two cents per pound for two tons or under. Marcus to Midway, the same rate. Marcus to Grand Prairie one cent per pound.

Special Rates for Large Orders and Ore Contracts.

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Wholesale and Retail Dealers in and Growers of

CHOICE NURSERY STOCK.

All Stock Grown Without Irrigation.
All Trees Inspected Before Leaving the Nursery.

SPOKANE FALLS,
P. O. Box 582. Washington


Provincial Secretary's Office.

6th June, 1895.

NOTICE is hereby directed to the alterations made in the boundaries of the Kettle River, Osoyoos, and Vernon Mining Divisions of Yale District, since the publication of the limits of the said divisions in the British Columbia Gazette of the 14th of December, 1893.

YALE DISTRICT—OSOYOOS DIVISION.

MINING DIVISIONS.

Kettle River Mining Division—Commencing at a point where the International Boundary intersects the 119th Meridian: thence north along the 119th Meridian to a point about 17 miles south of the 50th parallel; thence east to the western boundary of the West Kootenai District; thence south, or along said boundary to the International Boundary; thence west to a point of commencement.

Osoyoos Mining Division—Commencing at a point where the International Boundary intersects the 119th Meridian, being also the south-west corner of the Kettle River Mining Division; thence north along the 119th Meridian to a point which is also the south-east corner of the Vernon Mining Division, thence west along the southern boundary of the Vernon Mining Division to the 120th Meridian; thence south along the 120th Meridian to the International Boundary; thence east to point of commencement.

Vernon Mining Division—Commencing at a point on the 119th Meridian, which is also the north east corner of the Osoyoos Mining Division; thence west along the northern boundary of the Osoyoos Mining Division to the 120th Meridian, thence north along the 120th Meridian to the southern boundary of the Railway Belt; thence east along the southern boundary of the said Railway Belt to the western boundary of the West Kootenay District; thence south along said boundary to the north-east corner of the Kettle river Mining Division; thence west along the northern boundary of the Kettle River Mining Division to its intersection with the 119th Meridian; thence south along the 119th Meridian to point of commencement.

By Command,
JAMES BAKER,
Provincial Secretary and Minister of Mines.


# Vernon Private College.

VERNON, B. C.

F. ADRIEN MEYER, PRINCIPAL.

SEND FOR PROSPECTUS.

GRAND PRAIRIE SAW MILL.

Rough Lumber
From $10 to $12.
Dressed Lumber
From $16 to $18
Per Thousand.

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All Kinds of Repairing. Horseshoeing a Specialty.

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A Full Line of
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Toilet Articles
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Mail Orders From the Lower Country Will Receive Prompt Attention.


MINERAL ACT, 1891.

Certificate of Improvements.

NOTICE.

THE CITY OF PARIS MINERAL CLAIM,

Situate at Central Camp, Kettle River Mining Division, Yale District, B. C.

TAKE NOTICE that I, John Stevens, free miner's certificate No. 55260, for myself, and as agent for the estate of Matthias Hotter, and Henry White, free miner's certificate No. 57969, intend, sixty days from the date hereof to apply to the Gold Commissioner for a certificate of improvements, for the purpose of obtaining a Crown grant of the above claim.

And further take notice, that adverse claims must be sent to the Gold Commissioner and action commenced before the issuance of such certificate of improvements.

Dated this third day of June, 1895.


A. D. WORGAN,
Portrait & Landscape Photographer
VERNON, B. C.
VIEWS OF THE DISTRICT FOR SALE.


TAX NOTICE.

Rock Creek Division of Yale District.

NOTICE is hereby given that assessed and Provincial revenue taxes for 1895 are now due and payable at my office, Osoyoos, at the following rates:—

If paid on or before the 30th June—

One-half of one per cent on the assessed value of real estate:

One-third of one per cent on the assessed value of personal property;

One-half of one per cent on the income of every person of fifteen hundred dollars and over;

Two per cent on the assessed value of Wild Land.

If paid on or after the 1st July—

Two-thirds of one per cent on the assessed value of real estate;

One-half of one per cent on the assessed value of personal property;

Three-quarters of one per cent on the income of every person of fifteen hundred dollars and over;

Two and one-half per cent on the assessed value of Wild Land.

All persons whose taxes are in arrears up to the 31st December, 1894, are requested to pay the same forthwith, or costs will be incurred at an early date.

C. A. R. LAMBLY
Assessor and Collector for the Rock Creek Division of Yale District.
Government Office,
Osoyoos, 5th January, 1895. td

Provincial Secretary's Office.

6th June, 1895.

HIS HONOUR the Lieutenant-Governor has been pleased to appoint:—

W. HOWARD BULLOCK-WEBSTER, of Osoyoos, Esquire, to be a Mining Recorder within and for the Osoyoos Mining Division of the Yale District.

Wanted A Boy!

as an apprentice to the printing trade; or one who has already served a short term. Apply, THE ADVANCE Office.


# SPOKANE FALLS and NORTHERN RAILWAY

Nelson & Fort Sheppard Railway

ALL RAIL TO NELSON, B. C.

Only through line to Nelson, Kaslo, Kootenay Lake and Slocan Points.

Daily (except Sunday) between Spokane and Northport.
Trisweekly between Northport and Nelson.

| GOING NORTH | | GOING SOUTH |
|---|---|---|
| 11:30 a. m. | MARCUS | 2:20 p. m. |

On Tuesdays, Thursdays, and Saturdays, trains will run through to Nelson, arriving at 5:25 p.m., making close connection with the steamer Nelson for Kaslo and all lake points, arriving at Kaslo at 9:00 p.m. same days. Returning, passengers will leave lake points and Nelson on Mondays, Wednesdays and Fridays, arriving at Spokane same day.

Passengers for Kettle River and Boundary Creek connect at Marcus with stage on Mondays, Wdnesdays, Thursdays, and Fridays.

For TRAIL CREEK MINES connect at Northport with stage line daily.

For Nakusp and Revelstoke connect at Northport with boat Wednesdays and Saturdays.

aug15tf

FOR SALE

IN THE BEST LOCALITY ON THE VERNON Townsite, a few acre and half-acre lots, either for building or gardening.
Apply at this office or to
F. ADRIAN MEYER,
VERNON, B.C.


COURTS OF ASSIZE.

Table Showing the Dates and Places of Courts of Assize, Nisi Prius, Oyer and Terminer and General Gaol Delivery for the Year 1895.

SPRING ASSIZES

| | |
|---|---|
| Nanaimo | Tuesday, 7th May |
| New Westminster | Tuesday, 14th May |
| Vancouver | Tuesday, 21st May |
| Clinton | Monday, 27th May |
| Victoria | Tuesday, 28th May |
| Kamloops | Monday, 3rd June |
| Vernon | Monday 10th June |
| *Donald | Friday, 14th June |
| *Nelson | Wednesday, 19th June |

FALL ASSIZES.

| | |
|---|---|
| Clinton | Thursday, 26th September |
| Richfield | Monday, 30th September |
| Kamloops | Monday, 7th October |
| Vernon | Monday, 14th October |
| Lytton | Friday, 11th October |
| New Westminster | Wednesday, 6th November |
| Vancouver | Monday, 11th November |
| Victoria | Tuesday, 19th November |
| Nanaimo | Tuesday, 26th November |

*Special Assize al29-td

## METEOROLOGICAL REPORT.

Lat.....49 Long.....118° 50.
Altitude, 1,800 feet above sea level.
Rainfall for week, .77 of an inch.

TEMPERATURE FOR WEEK ENDING JULY 13.

| | Max. | Min. |
|---|---|---|
| July 7 | 75.5 | 42.5 |
| " 8 | 83 | 45 |
| " 9 | 87 | 46.5 |
| " 10 | 89 | 48 |
| " 11 | 88.5 | 50 |
| " 12 | 88 | 50 |
| " 13 | 87 | 44 |

### BORN.

On Friday, the 12th inst., the wife of Mr. W. Powers of a daughter.

## LOCAL AND DISTRCT.

Mr. C. de B. Green is surveying up the north fork of the Kettle River.

Mr. H. Rodgers came in last week from Spokane, and is about to make an inspection of our camps.

Mr. Gordon, of Grand Prairie, has moved into his new store, and taken over the post office.

Four pre-emptions have been taken up in the last few days, in this neighborhood. It will not be long before the whole district is settled.

Mr. McInnes returned last Wednesday with his gang, having completed the work on the road over Camp McKinney mountain. He will now give his attention to the Boundary mountain section. The improvements already carried out are greatly appreciated by those having to make constant use of the highway. Yet at the same time the regret is openly expressed, that the Government should be so circumstanced as not to be able to spend a sufficient amount of money, as would put this main trunk road in a thorough state of repair, as the present state of development of the district makes it almost imperative that such should be done.

Those who are at all skeptical as to the adaptability of this district to fruit culture, would have their doubts removed, should they take a look at the fine young orchard set out this spring near the town, upon Messrs. M-Lamb & Roberts' place. The trees which are of different varieties, such as pears, apples, prunes, cherries, etc., are all in the most flourishing condition, and are a credit to the climate and locality. These gentlemen are also experimenting with tobacco, having taken charge of the plants sent down from the Mission; and up to the present the result is everything that could be desired, and the young plants are growing vigorously.

Mr. F. Coryell is busily engaged constructing an irrigation ditch, which will take water from Boundary creek into his ranch adjoining the townsite. This ditch when completed will be about a mile in length, (a quarter of which distance will require fluming), and of a sufficient size to carry 200 miner's inches of water. The undertaking, (owing to the effect it may have in inducing others to follow the same example) will undoubtedly be one of the best improvements carried out in the neighborhood this summer.

Messrs. McAuley & Lundy have bought out the livery business formerly carried on by Messrs. B. & McKay Ingrim, and will run the same in connection with their hotel.

A general expression of regret greeted the news that Mrs. Macdonald, formerly our public school teacher here, had decided to teach at her home, Ladners, B.C., thereby severing her connection with Midway, and the many warm friends she had attached to her during her sojourn in our midst.

Colonel Doyle came down from Camp McKinney on Friday's stage, and proceeded on to Spokane, and Butte, Mon. The Colonel seems very much pleased with the result of the development work, so far carried out on the Cariboo, and confidently asserts that Trail Creek will not, in the near future, be the only mining camp in British Columbia, which will be able to boast of a mine.

On Friday evening last a dance was given at Mr. Scott McRae's ranch, Copper Creek, and was much enjoyed by those present. The music was supplied by Messrs. McRae and McLaren, who with others from Grand Prairie took part in the festivities, which lasted till early dawn.

The number of disreputable and ill-conditioned curs which are to be seen about the town, is something appalling. We would suggest that the leading men of the town—the school trustees, or the townsite agent, for example,—should offer a bounty per capita; the reward to be regulated on a sliding scale proportionately to the ugliness of the animal destroyed.

### A Happy Event.

It is with pleasure the announcement is made that on Saturday last at the Manse, Grand Prairie, the Rev. Mr. Paton officiating, Mr. W. M. Roy of Boundary Falls and Mrs Davis, recently of the same place and formerly of Spokane, were united in the bonds of holy matrimony. After the ceremony the happy couple returned to their home, and on Sunday evening about fifty of their most intimate friends embraced the opportunity of paying their respects, and of accepting the hospitality of their hosts, which was extended with a lavishishness for which Mr. Roy has long since been noted.

## MINING NOTES.

Messrs. Murphy and Jenkins of Butte, Mon. are sampling the Snowshoe, Greenwood Camp.

Mr. E. S. Graham has two men working on the Texas claim, Ingbram mountain, and others will be put on shortly.

J. C. Haas left for Deadwood Camp on Friday morning, to inspect some of the principal claims there.

Messrs. Rosenhaupt and Coles, of Spokane, directors of the Boundary Creek Mining Co., paid Midway a visit last week.

Mr. C. C. Sands is doing the assessment work on the Excelsior, a southeast extension of the Golden Rod. The vein is from 6 to 7 feet.

Messrs. Mangott and McEachran are developing the east vein of the Morning Star claim, Fairview, by sinking a shaft.

Mr. C. A. R. Brown passed through Midway on Thursday last, on his way to the Similakameen, where he has mining interests.

Mr. G. K. Reed is expected in, daily. Work will recommence on the Last Chance on his arrival.

T. Keough is reported to have bonded his interests in Summit Camp to the Old Dominion Co., in Colville.

W. T. Smith left on Thursday morning for Greenwood Camp, on his way out to Spokane.

Mr. Douglas has returned to Skylark Camp after a prospecting tour of some weeks around Camp McKinney.

The Yankee Boy and Yankee Girl, Grand Prairie, which were located this spring by Mr. C. C. Sands for some eastern capitalists, are looking first-rate; the Yankee Boy running $77 in gold, and the Yankee Girl $187. Mr. Sands informs us that a ten-stamp mill will be operating on these properties before snow flies. We hope so.

Last week Mr. C. L. Thomet came down from Long Lake Camp, and brought with him some ore specimens taken from the bottom of the incline shaft, on his claim the North Star, upon which he is now working. These samples are among the finest that have been exhibited at Midway this summer, and an assay from them gave the enormous return of $6,000 per ton gold. It is not necessary to say that gold was visible to the naked eye, even before the assay was made, the figure is only quoted to give an idea of the richness of the rock.

Samuel S. Fowler, M.M.E., of Chicago, who has been investigating our ore bodies for some time past, was in Midway last week. He is much surprised with the extraordinary volume of the mineral deposits in Greenwood and Copper Camps; and we understand is negotiating for a smelter to be placed where it can best treat the Boundary district ores. Mr. Fowler has also been into Long Lake Camp, and is much pleased with the progress of development, and considers its future possibilities, in regard to the handling of the free-milling quartz ledges there, to be extremely bright.

### KETTLE RIVER MINING DIVISION.

RECORDS OF MINERAL LOCATIONS FOR THE WEEK ENDING JULY 14.

8th, Granite Mountain, Long Lake Camp, T. Stephenson, Timothy Coady, and J. R. Rittar.
" Strawberry, North Fork Kettle River. T. Stephenson, Timothy Coady, and J. R. Rittar.
9th. Swamp Angel, Summit Camp, Robt, Taylor.
" Dominion, North Fork Kettle River, John Shannon.
" Golden Lion, Long Lake Camp, John Shannon.
" Northern Light, North Fork Kettle River, John Shannon.
" Northern Chief, North Fork Kettle River, John Shannon.
10th Mazie, Long Lake Camp, Randolph Stuart.
" Spokane, North Fork Kettle River, J. B. Jones.
" Tacoma, North Fork Kettle River, C. S. Voorhus.
" Trilby, North Fork Kettle River, N. M. Stevens.
11th City of Paris, Greenwood Camp, M. D. McLeod.
" Dominion Day, Greenwood Camp, P. Murray.
" Yankee Boy, Grand Prairie, P. W. McGregor and M. V. Beiger.
" Amandy, Long Lake Camp, R. Wilson.
12th Banner, Greenwood Camp, T. Roderick.
" Uncle, Long Lake Camp, Otto Dillier.
" Granite, Skylark Camp, E. P. Suydam.
" Victoria, Greenwood Camp, E. P. Suydam.
" Silver Plume, Summit Camp, Connors & Thompson.
" Remainder, Summit Camp, Jas. F. Cunningham.
13th Iron King, Hardy Creek, McGowan and McClane.

TRANSFERS, JULY.

11th Yankee Girl, ½ interest, L. Merson to M. V. Beiger.
" Lucky Boy, ½ interest John Raines to Henry White.

CERTIFICATES OF WORK, JULY.

10th Red Rock; E. P. Shea.
" Blue Jay; M. H. Kane.
" Mattie Davis; W. T. Smith.
12th Phitonian; D. M. MacMartin and others.
13th Curlew; Robert Denzler.

## HUMOROUS GLEANINGS.

(Gazing at the Giraffe)—Hey, Chimmy, how's dat for a t'roat ter holler extrys wid? —Life.

Beggar—Kind gentleman, I beg your pardon— Gent (promptly)—Granted. I thought you were begging for money.—Pipifax.

Smiley—Now, remember, I don't want a very large picture. Photographer—All right, sir. Please close your mouth.—Tid-Bits.

"That cat made an awful noise in the garden last night." "Yes, father, I suppose that since he ate the canary he thinks he can sing."—Tid-Bits.

Peasant (who has just insured his farmhouse)—What would I get if my house should burn down next week? Agent—In all probability three or four years in prison.—Fliegende Blaetter.

Professional Interest.—Editor's Wife—Oh, John, I do want you to notice that vulgar Mrs. Shoddeigh over there. Editor (absently)—Certainly, my love, dollar a line for reading notices.—Harlem Life.

## SENTENCES BY JUDGE.

The seed is stronger than the soil.

False alarms create false securieties.

Our pre-existent habits are our present tendencies.

In the whirligig of time some one must take the dust.

Life is a combination of which the secret is not given.

The mundane world is conducted on the defensive plan.

Fidelity is the conservative preserver of type, custom and race.

When a thing is hard to endure something harder may come to make it easier.

If nature were to disclose her processes man would have the audacity to patent her inventions.

Praise not a servant too greatly, lest he be puffed up and masterful; nor too little, lest he be discouraged.

Homely truths are like home remedies —apt at times, but applied upon every occasion whether they fit the case or not.—Kathrine Grosjean.

## FASHION FADS.

Cut-away jackets of velvet are much liked by young girls.

Sleeveless jackets of various materials with passementerie edgings are popular.

A dress of cloth with a narrow moire panel down the front is among the new importations.

Muffs are somewhat larger than heretofore. Many muffs will be used during the coming winter without other furs.

Capes of moire are trimmed with fur collars and lined with bright silk. One of the handsomest of these garments was recently made to order and lined with very stiff brocade.

Ermine, from becoming popular, has become a fad, and every woman who has money to buy it wants ermine in some form or another. The only difficulty is its scarcity and extravagantly high price. Really fine ermine is almost impossible to obtain, and the most fabulous prices are paid for it.—N. Y. Ledger.

## BAYONET POINTS.

Only four of the survivors of Napoleon's great army are still alive: Jean Jacques Sebatier, 102; Victor Baillod and Jean Bousset, 101, and Joseph Rose, 100.

Engineer in Chief Melville says that in the Olympia, Minneapolis, Columbia and New York, the United States has four cruisers that for speed beat anything in the world.

Aluminium is now used instead of steel for the nails and heel plates of the German soldiers' boots. The results expected are quicker and better marching.

Fifteen years after they were lost in the disaster at Isandhlwana, in Zululand, the colors of the Twenty-fourth regiment, the South Wales Borderers, have been recovered. They come some way into the hands of a French nobleman, who has just transferred them to the British military attache at Paris.

## THE STAGE.

Copee's poetical drama, "Severo Torelli," originally produced at the Odeon, has just been brought out with success at the Comedie Francaise, with Albert Lambert and Paul Mounet, who were in the original cast, and Mme. Brandes.

Eleanora Duse has just applied for a divorce from he husband, Signor Cernuchi. In her next season she will appear in "La Lupa," a dramatization by Verga, who wrote the original story of "Cavalleria Rusticana," of one of the most powerful of his tales of Italian peasant life.

Sardou has just read his new play before Sara Bernhardt and the Renaissance company. It is called: "Gismonde, Duchess de Athenes." The scene is laid in Greece in the fifteenth century, and is founded on a historical incident. The scenery will be faithfully reproduced from a Vienna manuscript.

## MULTUM IN PARVO.

Her eyes are homes of silent prayer.—Tennyson.

What loneliness is more lonely than distrust?—George Eliot.

Who overcomes by force hath overcome but half his foe.—Milton.

To the brave and strong rest seems inglorious and the night too long.—Pope.

The best part of one's life is the performance of his daily duties.—H. W. Beecher.

Childhood sometimes does pay a second visit to a man; youth never.—Mrs. Jameson.

If we had no failings ourselves we should not take so much pleasure in finding out those of others.—Rochefoucauld.

My ear is opened and my heart prepared; the worst is worldly loss thou canst unfold:—say, is my kingdom lost.—Shakespeare.

## MISSIONARY NOTES.

One hundred missionaries were sent to China by the Swedish Lutheran church in 1893.

The American Baptist missionaries in Assam have asked that twenty-two new missionaries be sent to that country.

In Korea the Protestant mission force of foreign workers consists of twenty-six married men, fourteen single men and eighteen single ladies, representing the Methodist Episcopal, Presbyterian and Anglican churches.

The first church building erected in this country was built by Protestants on Manhattan Island in 1628 by the Reformed Dutch church. This organization still exists and is the well-known Collegiate church in New York City.

## CONTRASTS.

I see the tall church steeples,
They reach so far, so far;
But the eyes of my heart see the world' great mart
Where the starving people are.

I hear the church bells ringing
Their chimes on the morning air;
But my soul's sad ear is hurt to hear
The poor man's cry of despair.

Thicker and thicker the churches
Nearer and nearer the sky;
But slack for their creeds while the poor man's needs
Grow deeper as years roll by.
—Ella Wheeler Wilcox.

### Bear Your Own Burden.

Every man should bear his own burden of sorrow. When the burden comes upon him he has a right to expect sympathy from his friends; he has a right to expect help and fellowship from those that are near and dear to him. But one has no right to carry his gloom into others' lives; no one has a right because he is walking in a shadow to shadow the paths of those about him. That is my objection to the wearing of mourning. I do not mean to the wearing of every kind of black, but to the wearing of that form of black which says to everybody, "I am in grief." I object to it because in its essence it is selfish, because in its essence it gives notice to every one, "I am in trouble" and so rolls off a part of that trouble upon others' shoulders. When sorrow comes to us let us receive into our hearts' recesses our friends; let us even ask them to watch by our side while we wrestle in our Garden of Gethsemane; but let us not throw the burden of our grief on other hearts.

I see from the newspapers indications that suicide is on the increase. I am not sure whether this is true or whether it is only true that the newspapers are more enterprising and we get more widespread reports than we used to. But every suicide, unless he is insane, is a coward, and every temptation towards suicide is a coward's temptaion, for when a man faces bankruptcy or shame or ignominy of any kind and goes out of life by his own hand he rolls that burden off upon a wife, upon a child, upon a friend, upon a home, upon some one else to bear for him; he runs away and leaves the poisoned arrows to pierce other hearts. The suicide is a coward.

This is our duty to bear bravely, heroically, courageously, nobly each one his own burden.—Rev. Lyman Abbott.

### There's Something in This.

"Men will believe anything you tell them about themselves," said the clever woman in New York as we sat over our Bohemian breakfast, served on the flap of a davenport by the aid of a gas drop stove and sundry paper bags. "Anything nice?" I suggested. "Nice or the other thing. Only the better make of man is more apt to believe the other thing." I thought I'd try how this worked one day since, and began on a man who knows nothing whatever about art. I asked his opinion of a painting, hastening to assure him that I should think a good deal of it because per[illegible] he knew he was an authority and that I had heard him quoted on several occasions. That was all true, with a twist in it. He gave his opinion, and not a week after I heard him say, "You know I'm a bit of an authority on co[illegible], and what I say generally goes." But for all this I don't quite believe in what the clever woman said about "the other thing." Men would be much more likely to resent any information about their failings, and to think little of their informant. And so they should.—Lady Gay, in Saturday night.

### A Linguistic Corpper.

An exchange tells a story of a coroner who was called upon to hold an inquest over the body of an Italian. The only witness was a small boy of the same nationality, who spoke no English. The examination proceeded thus: "Where do you live, my boy?" The boy shook his head. "Do you speak English?" Another shake of the head. "Do you speak French?" Another shake. "Do you speak German?" Still no answer. "How old are you?" No reply. "Have you father and mother?" The boy gave no sign. "Well," said the coroner, "I have questioned the witness in four languages, and can get no answer. It is useless to proceed. The court is adjourned."

### A Spring That Runs Up Hill.

One of the few instances of a stream running up hill can be found in White county, Ga., says the Cincinnati Enquirer. Near the top of a mountain is a spring, evidently a siphon, and the water rushes from it with sufficient force to carry it up the side of a very steep hill for nearly half a mile. Reaching the crest, the water flows on to the east, and eventually finds its way into the Atlantic ocean. Of course, it is of the same nature as a geyser, but the spectacle of a stream of water flowing up a steep incline can probably be found nowhere else in the country, and appears even more remarkable than the geysers of the Yellowstone.

### The Napoleonic Dud.

A peripatetic exhibitor of the phonograph in Holland seems determined to outdistance all competitors as regards the excellence of his records. He was exhibiting the machine in the streets of Utrecht and a number of customers were listening to selections of tunes. Suddenly the tune ceased and there was a pause. Then in a loud, clear tone was heard the one word, "Halt!" delivered in a tone bespeaking authority. "What is that?" asked one of the listeners. "That," was the reply, "is the voice of Napoleon Bonaparte giving an order at the battle of Waterloo!"

### The Kaiser as an Art Critic.

Kaiser Wilhelm, as a critic of art, has put his foot down on the decisions of the jury of the Berlin art exhibition. He has annulled the award of the gold medal in Prof. Wallot, the architect of the new parliament house, which the emperor two years ago at Rome declared to be the acme of tastelessness, and has himself given the medal to Mme. Vilma Palaghy, the painter. She was kept out of the Berlin academy, but by the emperor's orders her pictures will be exhibited at the royal national gallery.

### She Had Him.

Wife—You say that you were detained at the office over a will case?

Great Lawyer—Yes. A consultation with the heir.

Wife—Ah, yes; I see you've brought it home on your shoulder. Blonde, too, wasn't it?

### Side-Tracked.

Wool—I'm awfully behind in my reading.

Van Pelt—How's that?

Wool—I got switched off on Trilby, and now I'm behind on at least nine or ten new lives of Napoleon.

## GOLD COMMISSIONER'S NOTICE.

### Osoyoos Division of Yale District.

All placer claims and lease holds in this district legally held may be laid over from the 1st of November, 1894, to the 1st of June, 1895.

C. A. R. LAMBLY,
Gold Commissioner.

Osoyoos, B. C.,
27th October, 1894.

## County Court Notice.

SITTINGS of the County Court of Yale will be holden as follows:

At Osoyoos on Friday, 9th August, 1895;
At Midway on Monday, 12th August, 1895, at the hour of eleven o'clock in the forenoon.

By Command
C. A. R. LAMBLY,
R. C. C.

GOVERNMENT OFFICE, OSOYOOS,
14th May, 1895.


F. B. JACQUES,
Watches, Clocks and Jewelry.
Spectacles and Silverware.
REPAIRING A SPECIALTY.
VERNON, B. C

MARTIN BROS.
LEADING HOUSE FOR
Hardware, Stove, Tinware, Paints, Oils and Glass.
Vernon, B. C.


No. 151.

CERTIFICATE OF REGISTRATION OF A FOREIGN COMPANY.

"COMPANIES' ACT PART IV.," AND AMENDING ACTS.

**The Boundary Creek Mining Company (Foreign),**

Registered the 28th day of June, 1895.

I HEREBY certify that I have this day registered "The Boundary Creek Mining Company (Foreign)," under the "Companies Act, Part IV., Registration of foreign Companies" and Amending Acts.

The head office of the said company is situated at the City of Spokane, State of Washington, U.S.A.

The object for which the Company is established are to acquire, hold, plat into city and town lots, sell, lease, mortgage lands and real estate, in the United States of America, and in the Province of British Columbia, Canada; to carry on the business of purchasing, selling, milling, smelting, matting, stamping and reducing ores and minerals of every kind and description in the United States of America, and in the Province of British Columbia, Canada, and to acquire, lease and operate water rights and flumes, for the purpose of mining and treating ores and running and operating electrical machinery, and for any and all purposes in the United States, and in the Province of British Columbia, Canada; to purchase, acquire, hold, erect, and operate light and power plants for purpose of mining and treating ores and for the purpose of furnishing light and creating power for all purposes in the United States of America, and in the Province of British Columbia, Canada; to borrow money for the purposes of the Company, and to execute notes therefor, and to execute mortgages upon the property of the Company to secure the payment thereof, to such amount and upon such terms as the Board of Trustees may think proper within the limitations provided by the by-laws; to set apart and sell for the purpose of raising, operating and founding capital for the purposes of the corporation not to exceed one hundred and seventy-five thousand dollars of the capital stock of the Company, upon such terms and at such prices as the Board of Trustees may direct; to purchase from the subscribers to the capital such mining and other property as the Board of Trust may deem proper, and to receive such mining claims and other property in payment of subscriptions to the capital stock to such amounts as the Board of Trustees may think proper, and to issue fully paid up stock therefor.

The capital stock of the said Company is one million dollars, divided into one million shares of the par value of one dollar each.

Given under my hand and seal of office at Victoria, Province of British Columbia, this 28th day of June, 1895.

[L.S.] S. Y. WOOTON,
jy15-5 Registrar of Joint Stock Companies.

## NOTICE.

I HEREBY give notice that I have this third day of June taken charge of twelve head of hogs, under the provisions of the "Mischievous Animals Act," for trespassing upon and damaging my crops, and further, that the same will be sold by me in accordance with the provisions of the said Act, providing the same are not reclaimed and all damages and expenses paid by the owner or owners of the animals.

A description of the animals is as follows: Three white sows, four spotted black and white sows, three spotted black and white barrows, two black barrows, all yearlings.

F. RUCKLE,
Grand Prairie.

## NOTICE.

ALL PERSONS are hereby cautioned against buying, dealing with, or holding, without my written authority, any catttle branded J with "dewlap" cut up, or branded O with "dewlap" cut up.

No one has or had any authority to sell or deal with such stock, or any horses or animals belonging to the McConnell ranch, Grand Prairie, Kettle River, or any increase thereof, chattels used therewith.

I, the undersigned, am, and always have been, the owner thereof, by duly filed Bill of Sale.

My written authority should be demanded of anyone attempting to deal with such stock, horses, animals, or chattels, and any persons buying or holding my stock without such written authority, as aforesaid, render themselves liable to proceedings at law.

G. L. DAVEY.

## NOTICE.

In the undersigned's band of cattle there is a stray red steer, which joined the band in the fall of 1893. Brand, capital P on right ribs split in right ear. Owner can have the beast by paying expenses and proving ownership thin thirty days, otherwise the beast will be sold.

MACKAY INGRIM.

Kettle River, June 1st, 1895.


GRAND PRAIRIE HOTEL
GRAND PRAIRIE, KETTLE RIVER.
Good Stock o
Liquors and Cigars
. . . Good Stabling.
PRICES REASONABLE.
McLAREN BROS., PROPRIETORS.

BLACKSMITH SHOP IN CONNECTION

Stages Leave every Monday and Wednesday for Marcus, Wash.

ENDERBY HOTEL
H. W. WRIGHT, PROP.
:- ENDERBY, B. C. :-

Livery in Connection.
First-class accommodation for Commercial Travellers.
Hunting and Fishing in abundance through this district.
Pack Horses and Guides furnished to Sportsmen on shortest notice.

FAIRVIEW HOTEL
GEORGE J. SHEEHAN, PROP.
EXCELLENT BOARD
GOOD STABLING
Camp Fairview, B. C.

GILBERT'S RESORT.
OKANAGAN LANDING.
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HUNTING, FISHING, BOATING.
THOROUGHLY COMFORTABLE.
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FIRST-CLASS ACCOMMODATION FOR GUESTS.
GOOD STABLING
Excellent Fishing on Kettle River.

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Best Liquors and Cigars.
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Stages to Marcus, Wash., and Midway, B. C.
Every Attention Given to Guests.
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BENVOULIN HOTEL
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This is a splendidly finished house inside and out, almost new, with good stable and out buildings, is centrally located in the valley and commands a good trade. It stands on its own grounds of two and a half acres in extent, and is a good investment.
ALSO A FIRST-CLASS
BLACKSMITH SHOP
WITH
COMPLETE OUTFIT OF TOOLS.
This building is two storeys high and stands on its own ground of half an acre in extent, and is in a commanding business position.
FOR TERMS APPLY TO
D. NICHOLSON,
OKANAGAN MISSION.

LOUIS,
Laundry.
—:All orders promptly attended to:—
Grand Forks, B.C.

FOR SALE
160 Acres of Land. All Meadow.
BETWEEN Sixty and Seventy Acres Cleared and Drained. Six miles from Camp McKinney. One Mile from waggon road.
Apply ADVANCE OFFICE.

## PYRITIC SMELTING.

### *Its Applicability to Iron and Copper Sulphide Ores.*

BY J. P. HARLAN.

(Continued)

The reduced product from these smelters is a matte of commercial value, similar to that now being shipped from parts of Montana, Colorado, and Arizona. In counties were the transportation facilities are deficient, the matte should be graded up by closer concentration. This can be done to advantage by recharging the matte with each fresh charge of ore. Too high a grade of copper ore will check this closer concentration on the first run; but this may be overcome by mixing the high grade ore with those carrying little or no copper. The greater the number of tons of ore concentrated in the matte, the higher the grade, and the less the cost of transportion and refining.

CHARACTER OF PLANT.

The construction of the furnace resembles closely the ordinary water-jacket one used for lead and copper smelting. The chief feature in the construction of the furnace in the new method being Engelbach & Britherton's *improved apparatus for economizing* fuel by the retention of heat.

The tuyers of their blast furnace connect with air channels embodied in the crucible of the blast furnace. The channels connect with a combustion chamber where the heated air comes in contact with steam and petroleum, which ignites and forms the hydrocarbon or oxidyzing flame. The combustion chamber connects with a number of retorts, from which issue the hot air. The air is heated by being placed over the movable crucible in an auxiliary oven, where the radiating heat from the molten product acts on the retorts. The retorts are connected with a suitable blower, and the movable crucible of the oven where the products separate from the slag, is connected by a spout to the crucible of the blast furnace, from which is drawn the molten mass. There are a series of outlet spouts in the oven crucible from which to draw the separated products.

In case the radiating heat from the molten mass in the crucible of the oven, does not heat the air in the retort sufficiently, a grate in the oven is supplied, in which wood is burnt to answer this purpose.

COST OF OLD AND NEW METHODS OF SMELTING COMPARED.

There are several costly auxilaries in the old method of smelting sulphide ores, that are superfluous in the new. Among the many may be mentioned roller mills for the pulverization of the ore, and furnaces for roasting and fusing the same, preparatory to its introduction to the blast furnace. In the new method this expense is done away *with, as the ore is directly introduced* into the furnace, and is made with an occasional addition of fuel, to smelt itself, thereby bringing the cost of production down to a nominal figure. Should a suitable locality be found in which to erect one of these smelters, the ore should be treated at a cost not to exceed $2.50 per ton. And if the capacity of the plant is sufficiently large, and all other conditions favorable, this price may be materially reduced.

There are other advantages in favor of the new process. No great amount of money need be expended in the purchase of fuel, fluxes, or ore, owing to the fact that no large quantities of the former is necessary, and the latter requiring a much less time to reduce to matte, in comparison to the old system, the returns from the ore are more quickly received, and as a consequence the amount of capital required for the purchase of the same is proportionately smaller. Another very important consideration should not be lost sight of. In furnaces of the same dimensions it is possible to treat twice as much ore in a certain given time, by *the new process than by the old.* So it will readily be seen that the same amount of money spent in labour will be doubly effective.

*COST OF PLANT.*

In forming an estimate of the approximate cost of building a Pyretic smelter, many things would be taken into consideration, such as natural opportunities, facilities for transportation, cost of labour and materials, the amount of work necessary to prepare the site, etc., etc. A plant equipped with steam power, and capable of treating 200 tons of ore per day should not, under favorable opportunities, exceed a cost of $100,000, and in some localities would be built for much less.

MINERAL RESOURCES OF BOUNDARY CREEK.

In the Boundary Creek district is found all the ore required for successful Pyritic smelting operations.

Greenwood, Summit, Skylark and other camps containing immense bodies of sulphide ore of great economic value, and possessing in a marked degree the properties requisite to this cheap, easy, and effective method of *treatment. All that is needed is for* the miner to develop his property by steady and persistent effort, so that a true realization of the extent of the ore bodies may be made manifest to moneyed men, who being spurred on by the incentive to acquire greater wealth will not then be tardy in furnishing the necessary capital, for the carrying into effect and active operation, the system of reduction herein described.

Let the value of the ore bodies be known, and who will doubt that in due time there may be heard the roar of blast furnaces, the hum and whirr of machinery, which in obedience to the direction of mind, muscle, and capital, will roll out riches greater far than those disclosed by the magic light of Aladdin's lamp.

## SUGGESTIONS AS TO COST OF MILLING

*The following from the Western* Mining World will be of especial interest to some, at least, of our readers. Just at this time there are signs which point to the possible erection of more than one free milling gold quartz plant in our mining camps.

"So many conditions surround the cost of milling ore that it is almost impossible to lay down any broad general rules, it is of course a matter of great importance to be able to estimate beforehand what the approximate cost of treating any given ore will be, and this task has often to be attempted. In preparing such estimates the following points are the ones that need the most *careful attention.*

1. Character of the ore.—It is evident that two ores of equal assay value may be of very unequal actual value, because the gold contents of the one may cost far more to extract than in the case of the other. Thus one ore might carry its value in the form of coarse particles, while in others it may be very finely divided, so that the second ore will need to be crushed much finer than the first, the natural result being that the same plant and staff will be able to crush less of the latter than of the former in the same time, and also the loss in the slimes will be greater. Again, a hard, tough *ore will cost more to crush than a fri*able, easily broken one.

2, As to available power.—It is well-known that the cheapest available power is water, which costs but little more than the interest on the capital invested in constructing the necessary water course and erecting the motors. The outlay in keeping these in repair being generally a small item. When water power is not available and steam has to be used, the quality and price of the fuel obtainable is a very important *feature to consider. It is estimated* on an average that a ton of quartz requires for its reduction 0.05 tons of coal or 0.07 cords of wood; these figures ranging from 0.03 to 0.10 in the case of coal, and from 0.02 to 0.12 in the case of wood, being influenced principally by the quality of the fuel available. The importance of the cost and quality of fuel can therefore be readily appreciated.

3. The labor estimate.—This is an item that may vary within very wide limits. Most of the labor required around a stamp mill is skilled labor, and this is often dear in proportion as unskilled labor is cheap. It is estimat*ed as the average result of numerous* observations, that in this country each ton of quartz crushed requires the labor of one man for two hours; within the last ten years, however, very considerable economics in this respect have been introduced.

4. Size of the mill.—This is of course, governed by the available supply of ore, and is within certain limits one of the most important elements of the cost of milling. Thus it takes few more men to attend a sixty stamp then *a ten stamp mill. So that the cost of* labor per ton is but little more for the large mill than one-sixth of that for the small mill. On the other hand, a 240-stamp mill will require nearly three times as many hands as a sixty-stamp mill; so that it may be considered that the limit of economy as regards mill labor is almost reached in a mill of sixty or eighty stamps. Of course in other items of cost, such for instance as management, supervision, assay department, etc., the large mill, whatever its size, costs scarcely any more than does the smaller one.

5. Location.—As the cost of mill and other supplies form a large element in *the cost of milling, the comparative* prices of these, which are largely determined by the cost of transportation to the mill, effect greatly the cost of the operation; the wear and tear of the mill amounts to but little in comparison.

In addition to these principal points, there are usually a number of others of small importance depending upon the local or accidental circumstances which can scarcely be enumerated here, and which can only be discovered by investigating the *actual cost of milling* in neighboring districts, or in others where the conditions of work are as nearly as possible identical.

## MINERAL ACT, 1891.

### Certificate of Improvements.

NOTICE.

PROVIDENCE MINERAL CLAIM,

Situate in the Kettle River Mining Division of *Yale District, in the Providence Camp, on* Boundary Mountain.

TAKE NOTICE that I, T. R. Lewis Rutter (by my agent, C. De B. Green), free miner's licence No. 57,924, intend sixty days from the date hereof, to apply to the Gold Commissioner for a certificate of improvements, for the purpose of obtaining a Crown Grant of the above claim.

And further take notice, that adverse claims must be sent to the Gold Commissioner and action commenced before the issuance of such certificate of improvements.

Dated this 5th day of May, 1895.


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Our DRESSMAKER has had large experience at the business, and a perfect fit is guaranteed providing you send the correct measure.

Remember we carry everything that a lady requires, and can save you money if you send your orders to us. Send one to-day and be convinced.

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Tourists desiring to see the country would do well to call.

Good Single Drivers, Good Double Drivers, Good Saddle Horses.

Ladies' gentle double and single drivers and saddle horses.

Horses boarded by the week or month (box stalls if desired).

Horses broken to harness, and horses and cattle sold on commission.

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NOTE.—This stable will be run strictly first-class in every particular. My drivers are all free and gentle disposition, and the most durable stock the market can produce. Special attention to transient trade and to boarders.

All kinds of heavy teaming promptly attended to.

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Complete with Pipe and Brass Working Barrel,

All New

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A choice line of Confectionery, Biscuits, Tobaccos & Cigars,
All kinds of Summer Drinks.

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MIDWAY, KETTLE RIVER.

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McAULEY & LUNDY, Proprietors.

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Leaves Grand Forks, on Tuesdays at 6 a.m., arriving at Penticton on Wednesdays at 6 p.m.

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