THE ADVANCE.

Vol. I, No. 22. MIDWAY, BRITISH COLUMBIA, WEDNESDAY, SEPTEMBER 26, 1894. $2.00 per Year.

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I can give Satisfaction. A Trial Will Convince.

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Payment will be received either in Cash, Stock, Produce or Labor.

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Samples by Mail will receive prompt attention.

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.

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THE DRUGGIST
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A Full Line of English, Canadian and American
PATENT MEDICINES.
DRUGS AND CHEMICALS,
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Horses and Buggies for Hire.

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THE McARTHUR-FORREST PROCESS.

(By J. S. McArthur.)

In order to understand the present systems of gold extraction to properly appreciate the work already done, and *to guage the difficulties already surmounted*, it is necessary for us to look back and trace the connection between the known forms of gold as found in nature and the methods used to separate it from its base environments.

In the earliest ages gold would naturally only be found in nuggets and grains (our word caret is derived from a Persian word meaning a grain) which required no means of separation beyond picking up—happy age when gold had only to be picked up!

From grains the ancient would come down to gold dust, and this was no doubt separated from the sand or earthy matter with which it was associated by the skilful use of air currents which were caused to blow away the sand, leaving the precious metallic dust. This method is still practised in Arabia and the East. Wherever water was plentiful it was found that it did the required separtion better and more economically than air, a method of separation which has been, and still is, in use everywhere all over the world. The prospector, digger, explorer, and even the tourist nowadays provides himself a "pan" in which to wash a sample of "dirt" at the nearest stream. From the pan comes the "cradle," "long tom," and the innumerable mechanical arrangements for the separation of gold from earthy matters. Up to this point we have only mechanical means of separation which depend on the specific gravity of gold compared with sand, clay, &c., but at this stage in the evolution of gold extraction *we find the first move made* towards a chemical method. When there was a lot of rich dirt in his pan the digger found it very difficult to wash away the last of the sand without losing a large proportion of the finely divided gold, so he hit on the expedient of pouring in a little mercury, which formed a heavy, massive, fluid alloy with the gold, *making the* separation of the last portions of the light granular sand a very easy matter. This plan is still in world-wide use alike by the solitary digger who lives in a lonely canyon and by the well-organized company that "hydraulics" 1,000 tons of "pay dirt" per day.

Let us now look at the present state of the gold industry. Let us imagine a digger who has exhausted all the gravel and pay dirt in the canyon or gully; he travels up the gully looking to the *right hand and to the left for traces of* the precious metal. Occasionally he finds a piece of gold-bearing rock and is led on and on till he finds the source of these auriferous stones to be a reef. Now begins gold mining proper. A shaft is sunk on the reef or a tunnel driven into it and great masses of rock are brought to the surface, and naturally *the miner is led to imitate nature* by crushing this rock to a fine sand, and then he modifies the treatment formerly given to alluvial deposits to adapt it to the new circumstances. The ore, immediately on being crushed to powder (which is usually done by huge gravitation stamps), is carried over an amalgamated copper plate by a stream of water. In passing over the amalgamated plate the gold is caught by the mercury, while the sand, now called tailings, is washed off. The gold is recovered by scraping the amalgam off the copper plate at stated intervals, generally once a month, when by distillation the mercury is recovered, as well as the gold separated. If all the gold the ore contained existed in the heavy metallic form the recovery by this method would be complete and the loss nil; but the tailings are frequently found to contain a little gold, and on close examination particles of pyrites and sulphides of the various base metals are found diffused through the mass. When these metalliferous particles are separated from the mass of tailings it is found that they principally contain the gold, so that it is now usual in practice to pass the tailings through some form of concentrating machinery, of which the well-know Frue vanner is a good example, whereby the pyrites and other sulphides are retained in virtue of their higher specific gravity and the sand washed away. The rich proportion, now called "concentrates," may contain up to 20 ounces of gold per ton, though 4 or 5 ounces is much nearer the average figure.

If the concentrates are examined closely, even microscopically, no free gold can be distinguished, and if they be treated with mercury they will yield to it little more or none of their gold contents. Sometimes a considerable portion of gold may be got from *them by a long continued grinding* in cast-iron pans in presence of mercury; this grinding seems to force the sulphur and base metals as well as the gold into combination with the mercury, so that the bullion got from the *amalgam often contains over 95 per* cent. of copper, lead and other base metals, while there is a corresponding loss of mercury, which is carried away partly as sulphide and partly in a "floured state"—the flouring is caused by the small globules of mercury being coated with a film of sulphide of mercury which prevents the particles coalescing. *Thus there is a double loss* chemical, by the formation of sulphide of mercury, and mechanical by flouring. This loss is so well known that concentrates are only treated by this form of amalgamation in localities where nature forbids any more elaborate process. Sometimes the amount of loss may be lessened by roasting the concentrates before amalgamation, but this is by no means a perfect remedy, as the roasting removes only volatile constituents of the concentrates, principally sulphur, while the base metals, lead, zinc, &c., are left in the form of oxide to oxidise and waste their equivalent of mercury. Attempts have also been made to decrease the loss of mercury and increase the yield of gold by adding to the contents of the pan all sorts of chemicals to "doctor" the "sickened," that is, floured mercury. These chemicals are generally mixtures of sulphate of iron, sulphate of copper, salt, lime soda, &c. This kind "doctoring" may be effective in some cases, but it is seldom practiced with intelligence. Where the percentage of concentrates is limited, and where there are a number of mines, it is common for some enterprising man to set up a smelting or chlorination work which is made large enough to deal with the concentrates of the district. I will not take time to describe the various processes of smelting, nor could it be done at any evening sederunt, but we may bear in mind that all smelting processes end with alloying the gold with lead, and cupelling in the usual way with which we are all familiar. Because of the obvious impracticability of smelting, requiring well-built brick furnaces, coal, fluxes, &c., at the typical gold mine high up on the mountain *range, possibly near or beyond the* timber line, chlorination is much more commonly practised and consequently merits a full description. In giving this description I will confine myself chiefly to the old standard Plattner process as I have seen it practised in California, where timber is abundant and cheap.

The first and essential operation prior to chlorination proper is roasting. It is obvious that a mixture of sulphides and arsenides of iron, copper, lead, zinc, and metals generally will absorb an almost unlimited amount of chlorine, so that the small proportion of gold present would fare badly in the general scramble of the molecules for chlorine. That the metals may have the least opportunity to combine with chlorine, the sulphur is expelled and their affinities satisfied as far as possible with oxygen by roasting. The roasting is generally done in a large reverberatory furnace that has no very noteworthy feature in its construction. The concentrates are charged into the furnace at the cold end, heated very gradually, continually stired and slowly worked forward into the hottest part, care being taken to admit air freely during the whole operation. Where chlorination is practised on the most extensive scale this roasting generally takes about twenty-four hours, and consumes from a minimum of half a cord to a cord of wood per ton roasted. (A cord of wood gives about as much heat as a ton of coal). It is a common saying that the success of chlorination depends more on the furnaceman than on the chlorinator, and on looking into hard chemical facts we find that this is really the case, for if only one-half per cent of iron were left unoxidised it would absorb nearly one per cent of chlorine. Towards the end of the roasting, and about fifteen or thirty minutes before the ore is discharged from the furnace, it is usual to stir in a small proportion of common salt. The object of this is to satisfy with chlorine as far as possible, copper, zinc and other metals whose oxides have a tendency to form chlorides when they get chlorine presented to them in the free state. This chloridising device is, however, only partially effective, as the chlorides formed are apt to be immediately decomposed under the influence of hot air, and in the case of lead the oxide or sulphate will not combine with chlorine in the furnace, but combines with it readily when offered moist and at the ordinary atmosphere temperature. The roasted and oxidised ore is now sprinkled with *water to make it slightly moist, and is* then charged into a wooden vat having a perforated false bottom. The chlorine, generated at an outside source, is led in between the true and false bottom, and gradually permeates upwards through the mats of the porous ore.

(To be continued.)

THE ADVANCE.

STUART & NORRIS..... PROPRIETORS.

Published weekly at Midway, Boundary Creek, 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.

WEDNESDAY, SEPTEMBER 26, 1894.

The Opposition platform, which will be found in another column, will, we believe, be considered a rather weak production by the general public of the Province. It, however, contains some good planks which are worth contending for—No.'s 1, 2, 10, 15 and 17; though the majority of the others either deal with matters of mere party interest or consist of vague generalities which have no practical significance. If Mr. Semlin, the new Opposition leader, will put into practise his statement that "the duty of the Opposition is not merely to oppose, but to assist where advisable," he will without doubt do good service to the Government, Opposition, and Province alike. We believe Mr. Semlin to be too patriotic a man to contemplate any other action, and that the same may be said of his followers—that they will place the interests of their party on a much lower level than the welfare of Province.

The bridges at Ingram's and McLaren's—which were washed out by high water—will we understand, be reconstructed by the Government this winter. Mr. Vernon during his election canvass in Kettle river did certainly promise a great deal, but not these particular public works, although highly necessary. Considering that the Kettle river vote went against the Chief Commissioner—unlike that of the other sections of the riding—on purely local issues, Mr. Vernon may be said not only to have kept his promises, but to have kept them handsomely. If he is to retire from political life his last official acts in connection with the southern portion of his old constituency will always reflect to his credit.

When once the through Kettle river road is completed it is to be hoped that it will be gazetted, and that private parties will not be allowed to alter or change it at their own sweet will and solely for their own benefit. This practice of changing public highways, on which public tax money has been expended, has been prevalent too long in every section of the riding, and it is hard to understand why, when a good serviceable road is once made by the Government that it cannot at once be gazetted and kept in place, the same as in any other country, except when altered by the Government itself for the benefit of the public.

THE OPPOSITION PLATFORM

Contains Some Good Planks and Some Indifferent Platitudes.

1. That the distribution of parliamentary representation throughout the Province be established and maintained on a uniformly equitable basis, giving a larger proportion of representation to the more thinly settled districts, no distinction being made between Island and Mainland.

2. That the secrecy of the ballot shall be absolutely secure in every instance and no means be afforded—by numbering of the ballot or otherwise—of ascertaining how any vote has been recorded.

3. That the financial and general policy of Provincial Governments shall be closely scrutinised.

4. The ordinary expenditure of the Province shall be so regulated as to avoid annual deficits.

5. That all Provincial or ordinary expenditures shall be made solely under the sanction of the Legislative Assembly.

6. That any infringement of the constitutional rights of the people by the Executive Council shall be jealously guarded against.

7. That candidates for election to the Legislative Assembly be not required to furnish other qualifications than that they are bona fide electors.

8. That the Land Laws shall prevent land monopoly, and encourage a numerous settlement of bona fida cultivating owners.

9. That the agricultural and industrial resources of the Province shall be developed by the making of trunk roads and trails and the building of bridges, and by other works necessary for such development.

10. That the Mining Laws be reformed so as to develop the mineral resources of the Province and give encouragement to prospectors.

11. That no royalty be levied on the timber coming off pre-emption claims of bona fide cultivating settlers

12. That periodical open meetings of electors be called and addressed by members of the Legislature and other speakers conversant with the political affairs of the day.

13. That during sessions of the Legislature full information shall be furnished by this association to local committees as to the progress of measures and all other matters interesting to electors.

14. That all election days be declared legal holidays.

15. That Provincial aid granted to railways or other profit-earning undertakings, shall carry with it, as a general rule, corresponding valuable interest in such undertakings.

16. That the employment of alien labor on Provincial public works shall be practically prohibited, and that every reasonable Legislative endeavor be made to further restrict the importation of coolie contract labor.

17. That no guarantee of interest or principal on the bonds of the British Pacific Railway, be given except under approval by a majority of the votes of the Province.

GRAND FORKS HOTEL

KETTLE RIVER, B. C.

Stages to Marcus, Wash., and Midway, B. C.

Every Attention Given to Guests.

J. L. WISEMAN, Prop.

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KERR BROS., BUTCHERS,

MIDWAY and BOUNDARY FALLS

Meat delivered at Rock Creek and all the Mining Camps.

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VERNON, B. C.

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FEED, OATS, HAY AND POTATOES.

Will be delivered at Okanagan Falls as soon as new steamer runs on Dog Lake,

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(The McArthur-Forrest Process)

Have Experimental Works at VANCOUVER, and are prepared to treat samples of ore from 1 lb. to 2,000 lbs. by the Cyanide Process. No Roasting and no Smelting required.

For Full Particulars apply to the Company's Superintendent,

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MUSICAL INSTRUMENTS, SEWING MACHINES, WALLPAPER, TOBACCOS, ETC., ETC.

Needles for All Makes of Sewing Machines Kept in Stock.

Mail orders from the Lower Country will receive prompt attention.

CANN & CO.,

VERNON, B. C.

NOTICE.

To all whom it may concern:

TAKE NOTICE that I, William Hedges, pre-emptor of claim No. 1726, shall one month from date of this notice apply to Leonard Norris, Esquire, Assistant Commissioner of Lands and Works for the Osoyoos Division of Yale District, for permission to record two hundred inches of water, the same to be diverted from a creek passing through my claim and known as Sand Creek. The said amount of water to be taken from the creek at a point twenty chains, more or less, north-east from my north-east corner post; the water to be used for agricultural purposes. The said water to be taken for a term of ninety-nine (99) years, or so long as the said lands, or any part thereof, shall be in the possession of William Hedges, his heirs or assigns.

Dated at Kettle River, the 27th day of August, 1894.

Look out for

J. McNICOL'S

"Ad" in the Next Issue.

W. R. MEGAW,

VERNON, B. C.,

General Merchant.

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Stopping Place for Stages to Penticton and Oro, Wash.

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CHOICE NURSERY STOCK.

All Stock Grown Without Irrigation.

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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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First-Class Stabling.

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Pianos and Organs--Easy Terms

Sheet Music, &c. Special attention given to Mail Orders.

Vernon Private College.

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FIRST-CLASS IN EVERY RESPECT.

CHARGES MODERATE

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BEST OF LIQUORS AND CIGARS.

CHARGES MODERATE.

Mining Men Personally Conducted to Any of the Camps, or Horses Furnished.

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FIRST-CLASS ACCOMMODATION FOR GUESTS.

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Excellent Fishing on Kettle River.

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REST..... 6,000,000.

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VANCOUVER, B. C. AND VERNON, B. C.

JOHANN WULFFSOHN, Managing Director.
Vernon Branch, G. A. Hankey, Manager.

The Vernon Livery Feed and Sale Stables,

Having taken over the stables of Gallagher & Stevenson, and thoroughly overhauled and refitted the premises, I am prepared to meet the demands of the public. I have on hand a complete stock of new rigs, (double and single) for public use, and also a good lot of well broken carriage and saddle horses.

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.
Dealer in hay and grain, wholesale and retail.

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All kinds of heavy teaming promptly attended to.

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First-Class Open Bench Ready for Plough

PORTION IN CROP

All Under Large Irrigation Ditch From Mission Creek. Cheapest and Best in the Market.

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NICHOLLES & RENOUF, L'td

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SOLE AGENTS FOR

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A Full Line of Waggons, Trucks, Ploughs, Harrows &c., &c.

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Premier
Three Star
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Equal to any from Pacific to Atlantic.

Manufactured only by

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General Merchant

BOUNDARY FALLS, B. C.

A Full Stock of

DRY GOODS,
GROCERIES,
MINERS' SUPPLIES.

ALL AT THE LOWEST PRICES.

LOCAL ITEMS.

Mr. and Mrs. King and family paid Midway a visit last Sunday.

Mr. Bennet's teams left last week to haul in freight from Marcus.

Mr. E. Lundy returned last week and will Midway his future home.

Rev. Mr. Hicks of Similkameen held service in the hotel on Sunday.

Mr. Malcolm McCuaig of Camp McKinney was in town last week.

Mr. A. K. Stuart has been appointed a Notary Public for the Yale District.

Mr. J. Monaghan passed through on his way from Spokane to McKinney on Sunday.

Mr. J. McNicol, proprietor of the new store, arrived on Sunday from Boundary City, Wash.

Mr. J. Haddigan passed through Midway on Saturday en route to Spokane and Victoria. He will probably winter on the coast.

Mr. Wm. Duryea, a New York capitalist who has been taking in the Copper and other mining properties, is staying at Mr. Palmerston's.

Mr. J. C. Haas, M. E., leaves to-morrow on a business trip to Spokane. On his return he will reside at Midway and hang out his shingle as an assayer.

Mr. W. Nelson, formerly bar tender at the Boundary creek hotel, is the Democratic nominee for the office of Sheriff of Okanagan county, Wash.

Mr. C. C. Sands was in town on Sunday hiring men to work on the St. Lawrence. He stated that he hoped to double his present force before Christmas.

Mr. McClung, late of Colville, has taken up the section of land on the Colville reserve which immediately adjoins the townsite, having purchased the rights of the halfbreed who formerly held it.

The fall races will be held at Midway on October 9th and 10th. $200 will be offered in prizes, and the principal events will include the usual mile half-mile and quarter-mile heats. Mr. W. Powers is secretary. Further particulars will appear in our next issue. There is a first-class mile track on the townsite.

Mr. E. S. Graham of Spokane is staying in town and looking after his mining interests on Ingram mountain, about three and one-half miles east of Midway. The claims controlled in this section by Mr. Graham are what is known as the Potter-Palmer group, and consist of the Potter-Palmer, Texas (old Denver), Virginia, Bank of England and Anna Bertha. On all these locations a number of parallel stringers of copper ore carrying gold and silver have been opened up on the surface. The leads on the Potter-Palmer carry grey and pyritic copper ore, on the Texas peacock copper and on the other locations pyritic copper so far as shown up. On the Bank of England also there is a large surface cropping of Xylite (hydrous silicate of iron and magnesia) which takes the form of a large mound. The best developed claim is the Texas, on which a very considerable amount of cross-cutting and other surface work has been done, showing up an eight foot lead. A tunnel has been run in fifteen feet on the side hill, which will be continued this season a length of 50 feet, and which is expected eventually to cross-cut the Texas and other parallel veins at a depth of 150 feet, though not till a distance of 200 feet is reached. Mr. Graham leaves shortly for Graham, Young County, Texas, via Spokane, and will winter in the south. He is also interested in a group of claims near Bear lake, Slocan, three miles from New Denver, the principal of which are the O. K., Payrock and Holden Chief.

DISTRICT NOTES.

Mr. E. Lefevre is in Fairview.

Mr. Douglas has still several men employed on the Mabel and Oro.

Mrs. Spinks and Miss Spinks are expected to return this week from the coast.

Mrs. T. J. Hardy is staying in Grand Prairie.

A recent assay of a large chunk of D. A. ore gave 45 oz. in gold.

Mr. Chas. M. Waite recorded a pre-emption last week two miles up Nicholson creek.

It is reported that the Cariboo stage has again been held up, and robbed this time of $18,000.

Mr. Schofield recorded assessment on the Number Seven and the Emma respectively on the 17th.

Mr. John Meyer recorded his recent strike near the Wellington last week, christening it the Keno.

Mr. Welnfritz has completed all his arrangements for the establishment of a brewery at Kamloops.

The prospecting on the hydraulic claim at Rock creek is giving very good results. The necessary piping for real word has not yet arrived.

Mr. Boss, who was at Rock creek last week looking into the titles of claims in White's and Atwood's camps, is still staying with Mr. Douglas.

Messrs. H. Nicholson and Edward James have recorded assessment on the Old England claim situated at the Falls of Rock creek, doing work to the value of $400.

Mr. Streatfield of Coldstream, who letely broke his leg badly in two places, is, we are pleased to hear, progressing as favorably as could be expected.

A half interest in the Idaho claim, which lies between Greenwood and the Wellington, was sold by John Meyer last week to G. W. Rumberger, also the whole of the Etna claim in the same neighborhood.

The geese, a sure sign of approaching cold weather, have made their appearance in the upper Okanagan., several having already lost the number of their mess. As the district becomes annually more settled up their numbers decrease.

Additional men have been put to work on the St. Lawrence by the Gold Hill Mining and Milling Company. Bunk houses, etc., are being erected on the claim and every indication points to the fact that they intend to do no small amount of development.

The new Presbyterian church at Grand Prairie is now nearing completion and it is expected that the opening service will be held about the middle of next month. Rev. Mr. Peyton, the minister, has built most of the sacred edifice himself, and the structure is a highly creditable one.

Mr. H. C. Walters returned last week from his mine near Springdale, which he has re-leased to parties who will work it. It is a large body of low grade ore carrying lead, silver and zinc. He intends staying with Boundary creek and will probably rework either the Providence or the American Boy.

A well known mining man has the scheme on foot to utilize the Kettle river for transportation of ore. The idea is to build small rough barges, which could be broken up on arrival at Marcus. Transhipment would have to be made at Cascade City. This has been mooted before, but is not generally considered to be feasible.

A correspondent writing to this paper says: "A gentleman who recently went on a prospecting trip ran short of food and sent his siwashes into town to procure a fresh stock. While waiting he shot a deer for his men and two chickens for his own food. He was heavily fined for so doing. What about the Indians slaughtering game all through the month of August?" Our correspondent does not give the place and date of this trial, so that we refrain from commenting thereon.

We clip the following from the Shuswap Tillicum:—"If the applicant will only send his name and address we will appoint him our special correspondent during the Japo-Chinese war. 'Deer Sir heerin u was needin a a 1 korresponder for to go to Japan and bi china i kan do it on jawbon bekaws i no the plase an i am busted i rite by a alibi and kannot be ketched forgin being I never had no Krisinin.'" Perhaps our esteemed contemporary will explain the joke. We give it up.

The dispute over the ownership of the Mystic in the New Camp, which will shortly come up for trial before either the County Court Judge or Gold Commissioner on October 20th, will probably be decided on the evidence as to whether Mr. Haas re-located a claim previously located by him or not. Sec. 29, "Mineral Act," says:

"No free miner shall be entitled to re-locate any mineral claim, or any portion thereof, which he shall have failed to record within the prescribed period, or which he shall have abandoned or forfeited, unless he shall have obtained the written permission of the Gold Commissioner to make such re-location; and he shall hold no interest in any portion of such mineral claim, by location, without such permission."

A road which will be required some day is one which could be built at comparatively small cost—that from the Boundary camps to the north fork of Kettle river by the Fisherman creek pass. This would branch off from the new main road being built over Boundary mountain, near the mouth of Copper creek, to the mouth of Prior creek, a distance of two miles. It would then follow up Prior creek through the lowest pass in this section of the gold range down Fisherman's creek to the north fork of Kettle river, a distance of a little more than eight miles. This is the route selected by the C. P. R. engineers should that line ever continue its proposed Crow's Nest route through this section to the coast, and the wagon road if made would not only connect the Boundary camp with the new agricultural settlement up the north fork, but also open up several good ranching locations in the country through which it would pass.

The arrastra on Copper creek has, we are sorry to state, not proved a great success from a financial point of view, as so far it has only saved about fifty per cent of the fine, free gold in the Great Hopes ore. Mr. Harlan has shown great pluck in putting the arrastra up under exceptional difficulties (even building a wagon road himself to the mine) and deserved to meet with better luck.

Mr. N. Tholl, who has been acting as engineer at the Strathyre Mining Company's mill, Fairview, met with a very painful accident last Thursday. He was at the time engaged in soaping the driving belt of the engine, when his foot slipped, and his hand being caught in the belt he was carried over the shafting and thrown heavily against the boiler. His fore-arm was broken below the elbow and also very badly bruised. In addition he was much scalded. It was set first by the amalgamator, after which he was taken to Oro for treatment by a physician. We are glad to hear that Mr. Tholl is now suffering less pain and able to get about.

Messrs. Nelson Laplante & John Winters have leased the D. A. mine from Messrs. Holbrook & Walters, the deal being completed on Monday. The agreement signed calls for another shaft to be sunk on the vein for a depth of fifty feet and a fifty foot drift to be run on the ledge at that level. When this has been done stoping will commence and ore be taken out for shipment. The leasers are now engaged in erecting buildings on the claim. They hav secured a good thing and know it. With the present freight rate in force for ore shipped via Marcus to Tacoma ($5 per ton for one ton or over) it will only cost $25 per ton to land their rock at the smelter, and as the D. A. ore will average $100 per ton they naturally expect to realize a handsome profit. They state their willingness to ship via Penticton provided an equally low rate is quoted by the C.P.R. Such has not been done as yet, the latter company apparently not realizing that Boundary mountain is a competing point equi-distant from Penticton and Marcus, and that ore will be shipped the cheaper way in every instance.

FAIRVIEW NOTES.

(From our own correspondent.)

SEPTEMBER 22.—The wagon road is now completed as far as Camp McKinney. Although not in very good shape near the camp, yet it admits of teams with light loads passing through, saving at least twelve miles and a bad road, also the convoy on the U. S. side.

Mr. D. A. Carmichael has returned from Conconully, where he purchased the Oro saloon. Mr. Carmichal has rented the building to Messrs. McDonald & Gray, who are running the business.

Mr. Geo. Boyer leaves on Monday for his home in Nebraska. He states he will return with the spring.

Mr. J. Reid of Spokane is in town. He intends doing some work on the Bullion and Annie Jenkins claims for Spokane parties.

Mr. Wm. Schoonover has left with a large hunting party for the Ashnola after big horn.

The Strathyre Mining Co. have secured the services of Mr. O'Shonesee of Nova Scotia to run the mill.

CAMP McKINNEY.

(From our own correspondent.)

W. H. Cameron has charge of the assessment work to be done on the Minne Ha Ha, and he expects this work to show up a good body of ore.

Although a petition was forwarded to the post office authorities very numerously signed last March, praying for the establishment of an office here, and although numerous letters for all parties concerned have been written to Post Office Inspector Fletcher, yet it would seem that all our efforts have been in vain, and that no notice whatever is to be taken of our long felt want. Our latest effort was a map of this portion of the district showing the location of the camp in relation to other places in the surrounding country, which, if it does not induce the authorities to treat us all with some consideration, may at any rate teach some of the officials a little geography.

Under the foremanship of Mr. L. Christien the road is being rapidly pushed forward, and with work carried on under the guidance of Mr. McMynn at Rock creek, we may expect our new road to furnish through communication before winter.

Not since the Cariboo started has a finer run of ore been milled than is being worked at present. Verily this is a mine worthy the name.

Mr. Norris is here collecting specimens for the exhibition and in this respect the camp will certainly be well represented.

LANDS ACROSS THE SEA.

The world has 2,291 warships.

Agricultural laborers in India earn barely five cents a day.

France imports fully ten times as much wine as it exports.

Emperor William has all his plain clothes made in London.

The Spanish budget shows a deficit of 24,533,497 pezetas.

The notes of the Bank of England cost exactly one cent each.

False teeth made of ivory have been found in the Roman catacombs.

In South America rain frequently falls in torrents from a clear sky.

Prof. Tyndall's grave is covered with heather, his favorite plant.

In the British museum there are 2,700 complete Bibles in all languages.

The total income of the Church of England is about one million dollars a week.

In German orphan and foundling asylums 50 per cent. of the children die of scrofula.

The Egyptians consider it unhealthy to wash a child until it is at least one year old.

Henry Irving, it is reported, may stand for a vacancy in the London county council.

The Costa Rican Congress has levied an export tax of four shillings per quintel on coffee.

In Korea umbrellas are of oiled paper, have no handles, and are simply worn over the hat.

The orange grows wild all over tropical Asia, and is everywhere regarded as indigenous.

Hydrophobia is most frequent in Sweden, where 282 deaths in a million annually occur from this cause.

JUST HARD COMMON SENSE.

Fortune tellers talk to long ears.

Don't take tips from flattery's tongue.

The best fighters wear the fewest feathers.

There is no peace in the house where children rule.

The cutter is not to blame for the borrowed coat.

Science alone won't always save you from a knockout.

Decorations are not always an evidence of great deeds.

Some kind of sanctity suggests the need of a disinfectant.

Some mighty good climbing has been done in cowhide boots.

The tax collector can tell you who pays for the king's gifts.

The spirit of prayer is made up of supplication, not advice.

Some people try to make up in plumes what they lack in pluck.

More than one man has fallen from the force of his own blow.

The man that really knows a little is entitled to a professorship.

The whisper of slander can be heard farther than the report of a hundred-ton gun.

CRACKED KERNELS.

Ex. is that part of a man's title that is generally forced on him.

The best time to get out of the way is before you are run over.

Sometimes a headline has more influence than a column article.

Persons who steal time will be tried in eternity—and they can't pack the jury.

It is hard to believe times are hard when you see ten thousand people at a circus.

Green corn is in the market and the doctors are beginning to read up on colic.

Perhaps the reason persons don't watch their tongues closer is because they can't see them.

Most parrots are green, but they talk as good sense as lots of men who think themselves wonderfully smart.

If vanity is a disease that makes a fool of a man, there must be a great many men exposed to the disease.

The person who said "you can't catch flies with vinegar" never looked in the pickle castor in a down-town restaurant.

A dude should learn something in this life besides how to blow smoke through his nose and the art of stimulating his idiocy with a rattan cane.

BALZAC'S WISDOM.

Love is a counterfeiter who is constantly passing off copper for gold, but who sometimes turns gold into copper.

I have spent my life in seeing people die, not of their ailments, but of that great and incurable disease, the want of money.

The moral world has gutters where dishonored persons try to splash the mud in which they are wallowing upon men of honor.

To an observer there is something saddening in the spectacle of poverty made up like an old woman trying to give the lie to her face.

In political life men frequently turn their characters inside out, and it often happens that the public does not know which is the right side.

In the heart of the woman who loves there is such a wealth of hope! It requires many a dagger thrust to kill them. They love and bleed to the last.

Happiness has no history. Story tellers of all countries understand this so well that the phrase "they lived happily ever after" ends all adventures of love.

THE WEALTH OF NATIONS.

Great Britain with all her possessions lays claim to $43,600,000,000.

France comes second in point of wealth with something like $40,300,000,000.

Germany has a bank account, or more correctly speaking, assets, of $31,600,000,000.

Russia has a small matter, you know, of $9,885,000,000 less than its German cousin, being accredited with $21,715,000,000.

Austria and Italy bring up the rear of those nations which have over $10,000,000,000 of possessions, with $18,065,000,000 and $11,755,000,000 respectively.

If you are at all inquisitive and care to foot up these amounts you will find that the wealth of the six richest nations of the world aggregate $167,035,000,000. Quite a comfortable sum, don't you think?

WISE AND OTHERWISE.

Good and Quickly seldom meet.

Love lives in cottages as well as in courts.

Life is half spent before we know what it is.

He that has lost his credit is dead to the world.

Little sticks kindle the fire, but great ones put it out.

Many kiss the hands they wish to see cut off.—Spanish.

When we have gold we are in fear; when we have none we are in danger.—Italian.

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.

Through Trains Semi-Weekly.

Daily, except Sunday, between Spokane and Marcus.

7:00 a.m. Lv.....SPOKANE.....Ar. 5:30 p.m.

On Wednesdays and Saturdays trains will run through to Nelson, arriving at 5:40 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 Wednesdays and Saturdays, arriving at Spokane same day.

Commencing May 2, passengers for Trail Creek, Nakusp, New Denver, Revelstoke and all points on the Canadian Pacific railway, will leave Spokane on Wednesdays and Saturdays at 7 a.m. connecting at Northport with steamer Columbia (same days) at 1 p.m.

Passengers by steamer from above points arrive in Spokane same evening.

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

aug15tf

THE
CANADIAN
PACIFIC
RAILWAY

The Quickest and Cheapest Route to all Points in the East and Pacific Coast.

STEAMER ABERDEEN

leaves Penticton every Tuesday, Thursday and Saturday morning, connecting with trains for East and West.

Before taking any other line write to

H. S. SCADDING,
Agent, Penticton,

for Rates, Time, &c., or to

GEO. M'L. BROWN,
DIST. PASS. AGENT,
ag 15-tf VANCOUVER.

NOTICE.

In the Matter of Richard Thompson, Deceased, Intestate.

The one-eighth (1-8) interest of the above deceased in the "Mother Lode" mineral claim, situate in the Deadwood Camp, in the Kettle River Mining Division, will be sold by tender. Tenders will be received by the undersigned at his office, Osoyoos, up to and inclusive of the 27th day of October, 1894.

C. A. R. LAMBLY,
21-6 Gold Commissioner.

In the Matter of Richard Thompson, Deceased, Intestate.

NOTICE is hereby given that by virtue of the powers vested in me under section 118 of the "Mineral Act, 1891," and amendments, I will administer and wind up the estate of Richard Thompson, late of Boundary Creek, in the Kettle River Mining Division, Yale District, B. C., free miner, now deceased, intestate, and all persons indebted to the estate of the said deceased are requested to pay the amount of their indebtedness to me, at Osoyoos, forthwith; and all persons having any claim against the estate of the said deceased are hereby requested to forward the same to me at my office, Osoyoos, duly authenticated, on or before the 27th day of October, 1894.

After which date I will proceed to distribute the assets (if any) of the said estate among the parties entitled thereto, having regard only to the claims of which notice shall then have been received.

C. A. R. LAMBLY,
21-3 Gold Commissioner.

County Court Notice.

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

At Osoyoos on Wednesday, 17th October, 1894;
At Midway on Saturday, 20th October, 1894,
at the hour of eleven o'clock in the forenoon.

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

GOVERNMENT OFFICE, OSOYOOS,
19th July, 1894.

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 1894.

FALL ASSIZES.

Clinton	Thursday, 20th September
Richfield	Monday, 24th September
Kamloops	Monday, 1st October
Vernon	Monday, 8th October
Lytton	Friday, 12th October
New Westminster	Tuesday, 6th November
Vancouver	Monday, 12th November
Victoria	Tuesday, 20th November
Nanaimo	Tuesday, 27th November

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.

GILBERT'S RESORT.

OKANAGAN LANDING.

HUNTING, FISHING, BOATING.

THOROUGHLY COMFORTABLE.

—First-class—

LIQUORS and CIGARS.

GRAND PRAIRIE
HOTEL

GRAND PRAIRIE, KETTLE RIVER.

Good Stock of

Liquors and Cigars

. . . Good Stabling.

PRICES REASONABLE.

McLAREN BROS., PROPRIETORS.

BLACKSMITH SHOP IN CONNECTION

Stages Leave every Monday and Wednesday for Marcus, Wash.

D. McDUFF,

General Blacksmith,

MIDWAY, B. C.

All Kinds of Work Executed to the Satisfaction of Customers.

C. F. COSTERTON

VERNON, B. C.

—Agent For—

Estates of G. G. Mackay & Co.
Anglo-Columbian Co., L'td.
Yorkshire Guarantee and Securities Corporation.
Nicholles & Renouf, L'td.
Sun Life Assurance Co. of Canada.
The Royal Insurance Co. of North America.
London & Lancashire Fire Insurance Co.
London Guarantee & Accident Insurance Co.

General Real Estate & Financial Agt.

NOTARY PUBLIC.

A. D. WORGAN.

Portrait & Landscape Photographer

VERNON, B. C.

VIEWS OF THE DISTRICT FOR SALE.

MARTIN BROS.

LEADING HOUSE FOR

Hardware, Stove, Tinware, Paints, Oils and Glass.

Vernon, B. C.

H. G. Shoringham's

STAGE LINE,

Osoyoos, Rock Creek, Boundary Creek and Grand Prairie

Carrying Passengers and Express.

GOING WEST

Leaves Grand Prairie (North Fork, via McLaren's) on Wednesday morning, arriving Osoyoos Thursday evening.

GOING EAST

Leaves Osoyoos Friday morning, arriving at Grand Prairie Saturday evening.

FOR SALE.

Good Waterhous
Champion Shingle Machine

Capacity, 20,000 per day.

Self-Feeder, with Jointer and Packer complete. Terms reasonable.

Apply ADVANCE OFFICE or

MARK HILL,
OKANAGAN P. O.

NOTICE.

NOTICE IS HEREBY GIVEN that the undermentioned respective amounts will be paid as bounty for the head of every panther, wolf, or coyote killed in a settled district of the Province, on the certificate of a Justice of the Peace that such animal was killed in a settlement, and that the head was produced to and destroyed by him, namely:—

For each panther, seven dollars, and fifty cents ($7.50).

For each wolf two dollars ($2.00).

For each coyote one dollar ($1.00).

By Command,
JAMES BAKER,
Provincial Secretary.

Provincial Secretary's Office,
Victoria, August 22nd, 1894.

That Road Again.

A generous man—by ways and means—
From Upper Country came.
He cast his eye upon our lot
And called us by our name.

By ways and means his ride was crowned;
A goodly man was he!
He found a means of breaking ground,
And got us down a tree.

Then one by one the doughty boys
Around his standard come;
Good men, all, that he employs;
No chewers of soft gum.

Sing hi, sing ho where 'ere he go,
For right is in his track.
He does his work; its done just so,
With nee or a growl from Jack.

Rah—for the road, the right of way,
That joins us to our friends,
When that is done, we well may say,
We're joiner'd at both ends.

FROM OUR FALL POET.

DISTRICT NOTES.

Mr. L. Pittendrigh has returned from the coast.

Mr. J. Haddigan is, we regret to state, very unwell.

Mr. Matheson is building a house on his ranch, Dog lake.

The site for the new bridge at Penticton has been surveyed.

Mr. Christien's road gang are now two miles east of Camp McKinney.

A gang of men are now grading the road up hill from the mouth of Rock creek.

Mr. C. W. Holliday, photographer, has taken up a homestead in Salmon river.

Over $1,000 has been spent in development on the Maple Leaf, Camp McKinney.

Mr. C. Deitz has completed assessment on the Sailor Boy, Camp McKinney.

The saw mill is running at Okanagan Falls. Mr. Snodgrass will put up a hotel there this fall.

Mr. J. Hyslop of Vasseau lake leaves this week for New Westminster, travelling by the Hope trail.

There was another clean-up on the Cariboo, Camp McKinney, last Saturday, which realized well.

Mr. W. H. Norris left Midway last Thursday for Camp McKinney, Fairview, Kruger mountain, etc.

A number of Similkameen Indians, including the celebrated Ashuela John, have gone up north for the hop picking.

The Chinese who are working up Cedar creek, state that they are not taking out much pay. This, however is nothing to go by.

A one-span trestle will be erected right away at the rock bluff on Vasseau lake. This will complete the new road from McKinney to Penticton.

Messrs. Symonds and Wallace commenced taking ore out of the Helen last Wednesday, which will be shipped as soon as the new road is completed.

No extensive hydraulic operations will in all probability be carried on at the mouth of Rock creek this fall. The water is low and little more than prospecting will be done till next spring.

Mr. Coryell, C. E., is surveying the Cornucopia in White's camp, owned by Mr. William McLean, of Rochester, New York. Over $800 has been spent in development work on this claim, which joins the Mable and Oro on the south.

Grand Prairie possesses a first-class practical bricklayer in the person of Mr. Robert Clarke, one of the latest settlers. There is no longer any excuse for the dangerous stovepipes running through the roof of the Kettle river rancher.

The attention of mining men is called to the Gold Commissioner's notice, in another column, that tenders will be received till October 27th for the purchase of one-eighth interest in the Motherload mineral claim, Deadwood camp. The other interest holders in this property are, W. McCormick, J. F. Ritchie, C. E., R. Thompson and W. W. Gibbs.

One of the requirements of the district is the appointment of a stipendiary magistrate at Osoyoos. The necessity of it requires no explanation, as it has often been pointed out and commented on. The appointment might as well be made now as at any time later on, and as the elections are past and gone there is no need to make it a reward for party services.

Self sacrifice is not appreciated in Kettle river. Some time back when there were not sufficient children to enable a school to be started at Midway, one of the residents guaranteed to marry and bring in a widow with six children within a month if the community would pay his expenses in "rounding her up." Not one single person, however, would pay his share.

The road from Grand Prairie to Marcus is hard hauling in the Colville reserve. It is made up of steep sand hill grades, soft, muddy stretches, stumps and poor side-hill cuts. The new road from Kettle river to Penticton will be easier for freighting, though longer, and there ought to be no difficulty in converting it into the future ore road, provided reasonable rates are given by the C. P. R. Everything will depend upon this, as freight can naturally be brought in much cheaper on the route used for exporting ore, and if the mines are to continue to ship via Marcus merchandise will also naturally come in by the same route.

Several well-known mining men from across the line who have visited the Boundary camps this season have stated that in their opinion the prosperity of the district was being greatly hindered by the high prices asked for what are mere prospects. This is, of course, the case with every new camp, but it retards its growth, as though capitalists are willing to take hold of and pay a good price for proved mines, they are not likely to do the same for a mere hole in the ground. The Boundary creek district, however, contains something better than mere prospects, as do also Camp McKinney and Fairview, and no practical mining man need be deterred from visiting this section owing to a preconceived idea that ridiculously high prices are asked in all instances by claim holders, as some, though not all, of the best known mines and prospects to be found in the lower Okanagan and Kettle river can be acquired at a reasonable figure, with a large variety of free-milling, concentrating and smelting propositions to choose from.

A New Cyanide Mill.

The new cyanide mill now in course of construction by the Golden Reward Mining Company, will be in operation on or about October 1st. The grading will be completed in about ten days and the building, 45x70 feet, in sixty days or less thereafter. The new mill will be operated in an entirely new manner; leaching tanks will have no place in the new mill; four revolving barrels, each of six tons capacity, will handle the pulverized ore. The cyanide solution being put in the barrel with the pulp in the same manner as chlorine or chlorination. By this means the process of leaching is completed in a few hours instead of as many days where tanks are used for that purpose. The method has been thoroughly tested by the Golden Reward Company, and found to be both practical and economical and a higher per cent of extraction secured.

The experiments and tests made by the company have also demonstrated that zinc shavings are not absolutly required to recover the gold and silver from the solution. It is not yet fully decided what method will be used for this purpose in the new mill, which with the four barrels mentioned, will easily treat from fifty to sixty tons of ore per day.—Black Hills Times.

Inspection of Orchards, Etc.

Now that the horticultural board have at last appointed quarantine inspectors of fruit pests at Vernon and Osoyoos, the following clipping from the "Horticultural Act, 1894," may be of service to our readers, as it defines the powers vested in the local officers of the board lately appointed:

"SEC. 9. Any member of the Board, their inspector or agent, upon the complaint of interested parties, or upon his own motion, may inspect, or cause to be inspected, fruit, trees, plants, grafts, scions, nursery stock of all description, orchard debris, empty fruit boxes or packages, and other material, orchards, nurseries, and other places suspected or believed to be infested with fruit pests, or infected with contagious diseases injurious to trees, plants, or fruits, and for the purposes thereof he shall have full power and authority to enter in and upon any farm, orchard, nursery, or garden, or any barn, warehouse, storehouse, shop or other place or building, and if he shall find that the said fruit, trees, plants, grafts, scions, nursery stock of all description, orchard debris, empty fruit boxes or packages, and other material, orchards, nurseries, and other places are infected with fruit pests, or affected with contagious diseases injurious to trees, plants, or fruits, as aforesaid, such member, or Inspector, or agent shall notify in writing the owner or person having charge of such premises or property, within a time to be prescribed in such notice, to treat and disinfect said premises or property in the manner presented in such notice; and such property shall not be removed after the owner or person in charge of the same shall have been notified in writing, as aforesaid, without the written permission of a member of the Board or the Inspector; and if the person so notified shall neglect or refuse to treat and disinfect the said premises or property, in the manner and within the time prescribed in the said notice, such person shall be deemed guilty of a violation of this Act; and if it appears on the trial that any orchard, trees, nursery, building, or any other structures, premises or property in charge of or belonging to the defendant referred to in said notice, or any part of such structures, premises, or property, is infested or affected as aforesaid, the Court may order whatsoever of the same is so infested or affected to be disinfected or destroyed within a time to be mentioned in said order, or may make any other order that it shall deem fit; and if such order be not obeyed within the time therein specified, it shall be the duty of the Board, or of some member thereof, or of their Inspector or agent, to execute such order, and the costs and disbursements of the prosecution shall be adjudged against the party convicted as aforesaid.

(a.) In case, upon inspection, as herein provided, the member of the Board, inspector or agent finds any of the premises to be infested with fruit pests or affected with contagious disease, but is unable to take the proceedings herein provided by reason of there being no person in charge, or either the owner or his whereabouts being unknown, he shall be at liberty to cause the same to be disinfected, and the costs and expenses thereon shall be a lien upon the property, which may be enforced by seizure and sale of a sufficient quantity thereof to satisfy the same: Provided, however, that no property shall be destroyed under this sub-section until an order therefor has been obtained from a Justice of the Peace, which order any Justice is hereby authorized to make upon proof of the urgency of the case or of reasonable efforts having been made to ascertain the owner or person who should be in charge of the affected property.

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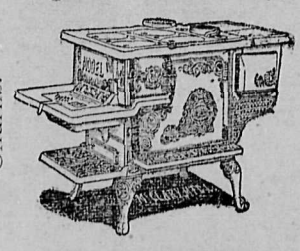

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Reduced Rates will be given by the C. P. R. and Steamer Aberdeen.

The Prize List is being sent to Members and Intending Exhibitors. If you have not received a copy send in your address to the Secretary.

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