

Several short stops will be made en route from Victoria—probably at Snetteshan Bay, Wrangel, Douglas Island (where the Treadwell mines are located), and Juneau. On arrival at Whitehorse, all who so desire may enjoy the pleasure of shooting the Whitehorse rapids. A very interesting programme is being arranged by the authorities at Dawson, where four or five days will be spent.

CERTIFICATES OF INCORPORATION.

- Arrowhead Water Supply Co., Ltd.*, with a capital of \$50,000, divided into 50,000 shares of \$1 each.
- Koksilah Mining Co., Ltd.*, with a capital of \$50,000, divided into 50,000 shares of \$1 each.
- La Plata Mines Co., Ltd.*, with a capital of \$2,000,000, divided into 2,000,000 shares of \$1 each.
- Surf Inlet Power Co., Ltd.*, with a capital of \$50,000, divided into 50,000 shares of \$1 each.

LICENCE TO AN EXTRA-PROVINCIAL COMPANY.

*Montreal & Boston Consolidated Mining & Smelting Co., Ltd.*, is authorized and licensed to carry on business in British Columbia. The head office of the company is situated at Toronto, Ontario. The capital of the company is \$7,500,000, divided into 1,500,000 shares of \$5 each. The head office of the company in British Columbia is situate at Greenwood, Boundary district, and Arthur Murdoch Whiteside, barrister-at-law, whose address is Greenwood, is attorney for the company.

REGISTRATION OF EXTRA-PROVINCIAL COMPANIES.

- United Empire Co.*—Head office at Phoenix, Arizona, U.S.A. Capital, \$500,000, divided into 500,000 shares of \$1 each. Head office in British Columbia, at Princeton. Similkameen. Attorney (not empowered to issue and transfer stock) William Campbell McDougall, mine manager, Princeton.
- Unuk River Mining, Smelting & Transportation Co.*—Head office at Danville, Illinois, U.S.A. Capital, \$500,000, divided into 500,000 shares of \$1 each. Head office in British Columbia, at Vancouver. Attorney (not empowered to issue and transfer stock) Edgar Bloomfield, barrister-at-law, Vancouver.

APPLICATIONS FOR CERTIFICATES OF IMPROVEMENTS.

<i>Mineral Claim.</i>	<i>Mining Division.</i>	<i>Applicant.</i>
Flying Cloud.....	Fort Steele.....	J. C. Drewry, Jos. Trainner, and J. F. Armstrong
Edward VII.....	Greenwood.....	Henry J. Homann and George M. Bennet
Eureka.....	do.....	John Matthews
Messina.....	do.....	Alfred Cameron Edward Tennessen and Chas. Stooke
Putnam.....	do.....	John Matthews
Superior.....	do.....	John Gray
Rosemount.....	Lillooet.....	J. H. Purdy and Dr. Alfred Poole
White Rose.....	do.....	do..... do.....
Wooloomooloo.....	Nelson.....	W. G. Sivyer
Invincible.....	Similkameen.....	William Knight and Thos. H. Reed
Timhorn.....	do.....	E. E. Burr
Imperial Limited.	Trout Lake.....	Jas. Z. Hall
Vancouver.....	do.....	do.....
Whistler.....	do.....	do.....

CANADIAN AND UNITED STATES PATENTS.

Mr. Rowland Brittain, patent attorney, Vancouver, sends the following report of patents issued recently:

David-Campbell, electrician, Vancouver, has received a Canadian patent on an improved lamp bulb, the construction of which is designed to afford a better reflecting surface for the light from the filament. This result he attains by depressing one side of the bulb within the other part, and by carrying the filament round the inwardly projecting portion. The inwardly depressed portion can thus be silvered to afford a reflecting surface and as the silvered portion will be exposed to the outside air it will not be excessively heated by the filament.

Messrs. John Park and M. Snee, Vancouver, have received a Canadian patent on an improved wheel flange, wherein a series of ball bearings are inserted to lessen the friction of the wheel in passing round the curves.

Messrs. W. J. Cummings and S. Abernethy, Port Moody, have received Canadian and United States patents on an improvement in inserted teeth for saws. This invention is applicable to inserted teeth of the kind exemplified by the Howe, Simonds and Dieston, and is directed to prevent the tendency to lateral displacement of the cutting edge of the bit, which is a common fault in saw teeth of this class, and which not only is productive of rough work, but by permitting sawdust to escape from the gullet past the swage of the lock portion, causes heating of the blade of the saw with its attendant injurious effects. In this invention a V-shaped projection is provided extending as a chord across the seat of the bit on which the heel of the lock portion bears, which projection fits into and laterally engages a similarly shaped groove in the heel of the "bit" and any tendency to lateral displacement is thus prevented.

Messrs. E. J. Swyny and G. Plucknett, of Australia, received a Canadian patent on an improved process for the extraction of normally buoyant mineral particles from slimes, tailings and like metalliferous materials.

United States Patent No. 785,167 was granted March 21st, 1905, to Eric Hedburg, of Joplin, Mo., on an improved process of separating and refining complex ores, as follows:—

1. The herein described process of treating ores, consisting in, first, drying the ores; second, roasting the same; third, subjecting the heated material to the action of a hydrocarbon gas; fourth, subjecting the material to an air-blast to partially cool the same, and fifth, passing the same through a magnetic separator.

2. The herein described process of treating ores, consisting in, first, drying the ores; second, roasting the same; third, subjecting the material while heated to the action of a hydrocarbon gas generated by the heat from the roasted ore; fourth, partially cooling the material, and, fifth, separating the magnetic components by passing the ore through magnetic fields of progressively increased strength, whereby the strongly-magnetic ores are attracted by the lesser-energised magnetic field, and the slightly-magnetic ores by the highly-energised magnetic field, substantially as described.

3. The herein described process of treating ores previously reduced to fine particles, consisting in, first, roasting the same; second, subjecting the same while heated to the action of a hydrocarbon gas; third, partially cooling the material, and, fourth, passing the same through two magnetic fields the second of which is more strongly energised than the first, substantially as described.

Mr. Geo. S. Waterlow, director of the Le Roi Mining Co., after recuperating at Glacier, following his recent severe illness at Calgary, is again giving attention to the proposed amalgamation of Kootenay and Boundary mines and smelters under one company.