

PATENT OFFICE REPORT.

MESSRS. R. BRITAIN, Patent Attorney, of Vancouver, sends us the following particulars from the Canadian Patent Office Record for April, just to hand.

Four hundred and thirty-nine patents were issued this month, of which number British Columbians received five, a very fair proportion. All were taken out through the local office, and the following brief description shows that they are thoroughly characteristic of Provincial requirements.

Mr. H. Burnet, C. E. D. and P. L. S., Victoria. Removable Point for Rock Drills. In this device the tempered point is detachable from the drill shank, and is secured by a dovetail so designed that the percussion tends to tighten the hold on the point while it can be readily removed for change or renewal. This drill should commend itself to prospectors and mining men generally, as it saves the necessity of carrying a supply of entire drills; one shank and a number of ends of varied temper being all that is required.

Mr. B. J. Munn, New Westminster, is the holder by assignment of a Can Feeding and Spacing Device, which provides an extremely simple and effective means for feeding cans to any machine at regularly spaced intervals.

T. Bell, Vancouver, is the inventor of a Concentrator for the recovery of placer gold, which is familiar to mining men generally, and has been previously referred to on receipt of his U. S. patent.

W. G. Trethewey's Automatic Coupler for air brake and steam-heating pipes, is familiar to Vancouver citizens as having been on trial locally for some little time past. It was recently taken east to Montreal for lengthened trial and examination by the C. P. R. officials. Mr. Trethewey has gone with it, and we have no doubt will be successful in securing its adoption by the leading railway companies, who should be only too willing to acquire a device which will prevent the necessity for men going between cars to couple the pipes.

A description of the fifth is withheld at the request of the inventor.

A. Hardman, New Westminster, has a device by which the vapour from cooking vessels is conveyed and delivered to the flue of the stove, and thus dispensed from dispersing itself through the room and house, the objection to which is so frequently felt and forcibly expressed. I understand Mr. Hardman is manufacturing this device and is prepared at an early date to put the same on the market.

G. C. Ingram, blacksmith, Vancouver, has just received his Canadian patent for a simple, yet useful improvement in a Horse Shoer's Knife, designed to save the hand of the operator from abrasion while paring the hoof. The value of such a device to a workman having much shoeing to do, should be well worth the trifling extra cost of the knife.

C. Brash, Victoria, Ore Concentrator.

J. W. Falls, Ymir, B. C., Air Compressing Machine.

C. Schallberger, Vancouver, has received a patent in the United States on a Protective Coating to be applied to piles or woodwork exposed to the attack of teredos or pile worm. The rapidity with which the teredo will destroy woodwork below water is a serious matter, as the expense and inconvenience of frequently renewing an extensive wharf area must be considerable. As soon as the efficiency of this protection is demonstrated, the inventor will not lack encouragement.

CATALOGUES, CIRCULARS AND TRADE NOTICES.

MATHEMATICAL INSTRUMENTS.

MESSRS. P. & R. WILTSTOCK, of Berlin, Germany, have issued a new edition of their illustrated price list. Among the mathematical instruments to which attention is particularly directed, are some very beautifully finished mining transits, transit theodolites and mine tachymeters.

AN ATTRACTIVE METHOD OF ADVERTISING.

Messrs. Baker & Co., metallurgists in platinum, of Newark, N. J., U. S. A., well known to many of our readers as consumers of crude platinum, are presenting to their patrons a very useful and attractive novelty in the form of a dating stamp. This firm also publishes a brochure entitled "Platinum," describing the ore and giving simple methods for its identification. This brochure is free on request.

A PRIZE-WINNING PHOTOGRAPH.

The prize of \$50 recently offered by Mr. H. D. Crippen, manufacturer of the Jackson Hand-power Rock Drill, has been awarded to Mr. Emily Rice for his flashlight photograph of a Jackson drill in practical operation. The photograph was taken in the Lennox tunnel, Hecla, Wyoming. Mr. J. D. Kazar, who was operating the drill at the time, speaks loud in its praise, and sends this letter.

Hecla, Wyoming, Feb. 4, 1901.

MR. H. D. CRIPPEN,
52 Broadway, New York City.

Dear Sir,—I have been using one of your steel Jackson Hand-power Rock Drills continually since Dec. 24th, 1900, running same one hun-

dred and fifty feet underground in one of the hardest of granites, in which men (double-handed) do well to make five to six inches per hour. One man with the Jackson drill is now doing from eighteen to twenty inches per hour. The drill runs like clockwork, and is easy to handle.

Many here are interested in the drill, and I have agreed to send drill and a man over to our neighbour mining company who, I am satisfied, will send you an order for a Jackson drill as soon as they once see the same at work. You may use my name for reference at any time.

Yours truly,

(Signed) J. D. KAZAR.

A DEMAND FOR VICTOR TURBINES.

Messrs. The Stillwell-Bierce and Smith-Vaile Co., of Dayton, Ohio, send the following information: Our engineer, Mr. C. P. Folsom, has just returned from Canada, bringing with him a large order for Victor high-pressure turbine water-wheels, the wheels to be used under 240 feet working head. The wheels were ordered by the Ouatichouan Pulp Co., Ouatichouan, P. Q., Canada, whose mill will have a daily capacity of 30 tons of pulp. The order includes 1000 h. p. wheels for driving the pulp grinders, one 500 h. p. wheel for driving the screens and wet machines, and one 100 h. p. wheel for driving their electric plant.

THE KINGSTON SCHOOL OF MINING.

This school has just issued its 1901-1902 calendar, containing time tables of courses and other information useful to students at the institution, or those who propose to enter as such.

MINING STATISTICS AND RETURNS.

ROSSLAND.

	1901.		1900.		Increase.
	Tons.		Tons.	Tons.	
Shipments for January (revised)	30,894		24,933	5,961	
“ February “	26,778		6,960	19,818	
“ March “	34,172		279	33,893	
“ April “	40,160		6,834	31,326	
“ May (estimated)	47,000		25,704	31,296	
“ June “	32,000		17,161	14,839	
“ July “	6,000		17,399	*11,399	

*Decrease.

The total production of this district for the seven months ending July 31st, approximates 216,000 tons.

EAST KOOTENAY.

The St. Eugene mine shipped 2,200 tons of concentrates during June. The North Star mine continues to send out 1,000 tons monthly.

YMIR DISTRICT.

The official returns from the June run at the Ymir show that 80 stamps ran 27 days of nine hours, with estimated profit on operating of \$23,080. This brings the total net profit made during the first five months of 1901 up to over \$108,500, or an average of over \$21,700 per month.

SLOCAN.

The total amount of ore shipped from the Slocan and Slocan City Mining Divisions for the year (Jan'y 1—Jan'y 20) has been 12,434 tons.

BOUNDARY DISTRICT.

The tonnage of ore shipped by Boundary District mines during July to 24th, inclusive, so far as has been ascertained from the mines is as under:—

Old Ironsides and Knob Hill group	13,484 tons.
Mother Lode	7,232 “
B. C.	4,405 “
R. Bell	270 “
No. 7	128 “

Total

Aggregate of all district shipments to (July 24) 299,944 tons.

COAL EXPORTATIONS.

THE foreign coal shipments from the Vancouver Island collieries for the half year ending July 1st, aggregate 508,598 tons. The shipments in June were divided as follows:

New Vancouver Coal Co.	34,061 tons.
Union Colliery	28,763 “
Ladysmith	12,920 “

Total

For the three weeks ending July 20th, the New Vancouver Coal Co. exported 32,097 tons to California and Puget Sound ports. According to the U. S. Consular Agent at Nanaimo the value of coal exported for the quarter ending July 1st was \$437,570.