

JACKSON ROCK DRILLS.

Mr. H. D. Crippen, manufacturer of the Jackson Hand Power Rock Drill, has just issued a new descriptive Catalogue (No. 14). There is, however, little alteration from the catalogue of these drills to which reference was made in these columns a month or so since.

THE VAN DER NAILLEN SCHOOL OF ENGINEERING.

We have received from this well-known San Francisco School, established in 1864, a pamphlet describing the different courses open to students. These include, surveying, civil engineering, mining engineering, assaying and metallurgical practice, electrical engineering, hydraulics and architecture.

PATENT OFFICE REPORT.

MR. ROWLAND BRITAIN, patent attorney, Vancouver, sends the following report from the Canadian Patent Office Record for June, which has just been issued. During the month 440 patents were issued, of which number four were to British Columbians:

F. W. Nolte, Victoria, sound producer.

W. E. Vanstone, Westminster, water-tube steam boiler.

R. Sanderson, Nelson, rotary engine, and by assignment from the inventor, F. L. Webster, Messrs. J. and R. McNair have obtained a patent on a method of suspending a sliding gate or door, which facilitates very much the opening and closing of the same, as it can be operated from the roadway by the driver of an approaching team. The hanging sheaves of the gate run on over-head tracks, which are so inclined that on the gate being pulled half open by an external lever or rope, it travels the remaining distance to open or shut, down the opposite incline of the track. The gate has been in use for some little time, both here and in New Westminster, and has, I am informed, given every satisfaction, and the name of the present holders of the patent is a guarantee that what is done with it will be done well.

MINING RETURNS AND STATISTICS.

THE KLONDIKE YIELD.

GOLD export certificates obtained at the Gold Commissioner's office at Dawson to August 31st, show that during the month of August gold to the value of, approximately, \$3,000,000 was shipped. The total gold shipments from Dawson to the outside world since the first of June have amounted to \$18,643,000. The shipments in May before the law went into effect requiring the issuance of export certificates, would probably raise the total to near \$19,000,000.

The shipments from Dawson each of the summer months were as follows:

June	\$ 5,918,000
July	9,725,000
August	3,000,000
Total	\$18,643,000

The final shipments of the season will likely not exceed those of last season, and it is thought because of this being the last opportunity of the summer to get out, and about the last month to start by steamer, that many who have held off to spend the summer in the Klondike may now come out with gold enough to swell the total to far more than what it is. Mr. Dufferin Patullo, chief clerk in the gold office, estimates the season's total at \$20,000,000, but there are some who feel that it will probably be larger. The shipments from Dawson do not represent all going from the territory. The Forty-Mile, Big Salmon and other Mining Recorders' offices in Yukon are also recording shipments passing through.

ROSSLAND.

The mine managers' report on the Rossland Great Western Mines for the months ending May 31 and June 30th gives the total tonnage of ore shipped from the mine for May amounted to 2,824,456 dry tons of 2,000 lbs. each, having an average assay value of \$10.52 per ton; the tonnage for June amounted to 303,329 dry tons, having an average assay value of \$13.20 per ton. The ore produced during the last two months, as above stated, came from various openings and stopes made on the vein on the 200-ft., 300-ft., 460-ft. and 600-ft. levels. So far, the ore bodies occurring in the vein have not been sufficiently developed to afford reliable data for estimating the extent and value of the ore bodies. The developments made on the vein on the 600-ft. level show the most extensive body of ore in any of the mine workings. This body has an average width of 30 feet, and carries ore of shipping grade from wall to wall. A winze is being sunk on the vein from the 400-ft. level from which to develop the ore shoot at intermediate points between the 400-ft. and 600-ft. levels. This has reached a depth of 132 feet on the dip of the vein. When connected with the 600-ft. level the ore shoot can be rapidly be developed, drained, and the workings ventilated.

Gross value in the 2,825,456 dry tons shipped to the Northport smelter for the month ended May 31:

817,140 oz. gold at \$20.00	= \$16,202.80, or \$5.74 per ton.
1,865,110 oz. silver at 0.60	= 1,119.66, or 0.39 "
75,238 lb. copper at 0.16½	= 12,414.27, or 4.39 "

Making total gross value \$29,736.73
or the average value per ton \$10.52

Gross value in the 303,329 dry tons shipped to the Northport smelter for the month ended June 30.

12,339 oz. gold at \$20.00	= \$2,406.78, or \$6.12 per ton.
358,490 oz. silver at 0.60	= 203.09 or 0.22 "
15,369 lb. copper at 0.16½	= 2,480.43, or 6.56 "

Making total gross value \$5,090.30
or the average value per ton \$13.20

The following table gives the monthly production from this district during 1901 to date, as compared with the shipments last year:

	1901.	1900.	Increase
	Tons.	Tons.	Tons.
Shipments for January (revised)	30,894	24,933	5,061
" February "	26,778	6,060	19,818
" March "	34,172	279	33,893
" April "	40,160	6,834	31,296
" May (estimated)	47,000	25,704	21,296
" June "	32,000	17,161	14,839
" July "	6,000	17,396	*11,399
" August "	1,000	19,417	*17,456
" Sept'r "	6,500	24,830	*18,330

The total production from Rossland for the nine months ending September 30th is approximately 225,000 tons.

BOUNDARY DISTRICT.

The following table, extracted from the Phoenix Pioneer, gives the ore shipments from Boundary district during 1900, and the 1901 production to September 21st, inclusive:

	1900	Week.	1901	Totals.
Old Ironsides, Knob Hill and Victoria	64,533	4,440	160,890	125,429
B. C. Mine	19,494	420	33,380	52,880
Golden Crown	2,500	.....	.....	2,500
Winnipeg	1,075	180	435	1,750
Athelstan	1,200	.....	550	1,750
Snowshoe	300	180	655	1,055
Brooklyn	150	.....	.....	150
R. Bell .....	.....	.....	.....	560
Total tons	89,252	5,220	196,476	285,879
Mother Lode, Deadwood ..	5,340	1,536	59,435	74,715
Sunset, Deadwood .....	.....	.....	300	300
No. 7, Central .....	.....	35	715	715
King Solomon, Copper ..	.....	90	140	140
Other Boundary mines ..	3,180	.....	500	3,680
Grand totals, tons	97,772	6,881	257,566	355,349

SLOCAN.

The shipments from the Slocan district for the nine months ending September 30th, aggregate, approximately, 18,000 tons, of which over 4,000 tons have been contributed from Slocan Lake division. The value of this year's output to date from Slocan lake is placed at about \$300,000.

THE COAST.

Shipments continue to be regularly made from the Lenora mine, Mt. Sicker district, at the rate of 70 to 80 tons daily. The Tyee Co. also made a first shipment in September of 200 tons to the Tacoma smelter. The Marble Bay mine, Texada Island, is also producing steadily, sending out about 1,000 tons monthly.

KAMLOOPS.

Dredging operations were commenced on the North Thompson river towards the end of September, and from a first clean-up after a four days run 32 ounces of gold at \$544 were received. The operating expenses of the dredger are estimated at \$40 per diem.

CARIBOO.

The second clean-up at the Cariboo Hydraulic mine is placed at approximately \$35,000.

EAST KOOTENAY.

Production is at present restricted to the North Star mine, which is shipping about 50 tons daily.

LONDON CABLEGRAMS.

Y.M.R.—The following cablegram has been received from the company's representative at Nelson, British Columbia:—"During last