

western agents for Robb Engineering company, of Amherst, N. S., as well as for the Canadian Radiator company, of Port Hope, Ontario.

ELECTRICITY AT THE HALL MINES.

An agreement has been entered into by the West Kootenay Power and Light company to supply the Hall Mining and Smelting Co. with electrical power for the operation of the works at Nelson. The motors required under the contract have been ordered, and the change will be made as speedily as possible, the expectation being that electricity will have superseded steam within three months. The West Kootenay Co. is to supply a total of 285 horse power, and the change will effect a substantial saving to the smelter on power account. The motors ordered are as follows: A 100 h. p. motor to operate two blowers, a 50 h. p. for the rock breaker, one of similar capacity for the sampler, another for the mechanical roaster, installed at the smelter early in the year, and a 15 h. p. motor for a hoist which is to be placed in the smelter shortly.

An interesting feature of the outfit is that the assay office at the smelter is also to be operated by electricity, this being a decided novelty. The plant will be composed of the following apparatus: Three 1200-watt immersion coils for the heating of water in tubes; four 12 x 18 enamel plates for evaporating solutions and for dryers; two 12 x 18 enameled plates for bringing solutions up to and maintaining a gentle boil; and eight 12 x 12 enameled plates for drying baths.

The total horse power in motors to be installed will be 265, with an additional 20 horse power for lights and for the apparatus required in the assay office.

MINING RETURNS AND STATISTICS.

THE COAST.

ORE shipments from the Lenora mine, Mount Sicker, via Lady-smith and Union, during the month of October aggregated 1,196 tons.

ROSSLAND.

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

	1901. Tons.	1900. Tons.	Increase 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	31,296
" June ".....	32,000	17,161	14,839
" July ".....	6,000	17,396	*11,399
" August ".....	1,000	19,417	*17,417
" Sept'r ".....	7,390	24,830	*17,440
" Oct. ".....	180,30	15,822	12,208
" Nov. ".....	20,680	24,661	*4,281

The ore production from the Rossland mines for the eleven months of the year to date approximates 268,500 tons.

* Decrease. † Increase.

BOUNDARY DISTRICT.

The tonnage of ore shipped by Boundary district mines during the month of October, so far as has been ascertained from the mines, is as under:

	Tons.
Old Ironsides and Knob Hill group.....	13,578
Mother Lode.....	6,480
B. C.....	2,440
Snowshoe.....	40
Winnipeg.....	280
King Solomon.....	60
No. 7.....	290
Sunset.....	..
Jewel.....	290

Total.....23,168
Shipments during 1900 and for ten months of current year ending October 31st, were as follows:

	1900	1901
Old Ironsides and Knob Hill group.....	64,535	187,890
Mother Lode.....	5,504	70,329
B. C.....	19,494	65,656
City of Paris.....	2,000	..
Golden Crown.....	2,240	..
Winnipeg.....	1,100	775
King Solomon.....	..	1,210
Athelstan.....	1,200	550
Carmi.....	..	885
Snowshoe.....	338	734
Brooklyn.....	150	..
Jewel.....	160	..

R. Bell.....	480
No 7.....	775
Sundry shipments.....	1,000
Sunset.....	700
	450

Total.....98,781 339,434

Grand total to date.....452 383
Shipments during November approximate 34,000 tons.

SLOCAN DISTRICT.

The total amount of ore shipped from the Slocan and Slocan City mining divisions for the year 1900 was, approximately, 35,000 tons. Since January 1 to Nov. 16, 1901, the shipments have been as follows:

	Total.
Payne.....	1,808
Last Chance.....	1,250
Slocan Star.....	3,486
Ruth.....	279
Bosun.....	420
Hewett.....	1,876
American Boy.....	1,286
Ivanhoe.....	1,157
Sunset (Jackson Basin).....	681
Sovereign.....	117
Wonderful.....	84
Arlington.....	4,608
Two Friends.....	40
Enterprise.....	520
Hartney.....	140
Black Prince.....	155
Goodenough.....	215
Miller Creek.....	20
Reco.....	279
Sunset (Can. Gold Fields).....	53
Silver King.....	14
Noble Five.....	59
Red Fox.....	103
Antoine.....	16
Queen Bess.....	1,199
Monitor.....	480
Corinth.....	81
Bondholder.....	26
Rambler.....	2,500
Surprise.....	200
Kaslo Group.....	10
Chapleau.....	15
Speculator.....	10
Ajax.....	10
Soho.....	60
Emily Edith.....	40
Phoenix.....	23
Alpha.....	40
V. & M.....	20
Marion.....	22
Ruby.....	1
Esmeralda.....	6
Hampton.....	2
Capella.....	22
Fourth of July.....	12
Tamarac.....	5
Mary Durham.....	5
Buffalo.....	5
Sweet Grass.....	2

Total tons.....23,408

The shipments of ore from Slocan mines over the Kaslo & Slocan railway through Kaslo for the month of October were as follows:

	Tons.
Whitewater, to Trail.....	558
Slocan Star, to Trail.....	502
Rambler, to San Francisco.....	327½
American Boy, to Trail.....	165
Reco, to Trail.....	106
Last Chance, to Kootenay Ore Co.....	100
Washington, to Nelson.....	63½
Sunset, to Trail.....	62
Bismarck, to Nelson.....	16½
Antoine, to Kootenay Ore Co.....	15
Silver Glimmer, to Trail.....	10

Total.....1,925½

The value of the October shipments through Kaslo may be approximated at \$134,750.

Shipments over the C. P. R. for the same period, were: Slocan Star, 294 tons; Minnesota Silver Co., 120 tons; Payne, 65 tons; Reco, 30 tons. Total 509 tons. The value of the month's output, including that from the Slocan City division, is estimated at \$350,000.