

of a roller so as to allow considerable variation in the position of the trolley wire. The latter is suspended directly above the running cable. The operation of the system is entirely automatic. The current is turned on at one end when it is desired to start the Telpher, which accelerates itself gradually up to its full speed—generally about twelve miles an hour—slowing down automatically for curves and automatically switching off the current so as to stop at the desired place at the other end of the line. Telpherage is adapted to the conveying of almost every kind of material, and for mine purposes the buckets are arranged to be dumped either automatically or by hand, or a bucket is also made which opens at the bottom for discharging the load."

### MINING RETURNS AND STATISTICS.

#### 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	*17,416
"    Sept'r    "    .....	7,390	24,830	*17,440
"    Oct.    "    .....	180,30	15,822	†2,208

\* Decrease. † Increase.

The total production of the Rossland mines for the year to date is approximately 243,000 tons.

The following is the mine manager's report for the months ending 31st May and 30th June.—Output—The total tonnage of ore shipped from the mine for May amounted to 2,825,456 dry tons of 2,000 pounds each, having an average assay value of \$10.32 per ton. The tonnage for June amounted to 393,329 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, 300, 400 and 600-foot 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-foot 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-foot level from which to develop the ore shoot at intermediate points between the 400 and 600-foot levels. This has reached a depth of 132 feet on the dip of the vein. When connected with the 600-foot level, the ore shoot can be rapidly developed, drained and the workings ventilated.

#### BOUNDARY DISTRICT.

The following table gives the ore production from the Boundary district for the nine months of the current year ending Sept. 30th:

	1900	1901
Old Ironsides and Knob Hill group .....	64,535	167,973
Mother Lode .....	5,574	62,099
B. C. ....	19,494	34,701
City of Paris .....	2,000	.....
Golden Crown .....	2,240	.....
Winnipeg .....	1,100	600
King Solomon .....	.....	600
Athelstan .....	1,200	500
Carmi .....	.....	885
Snowshoe .....	338	439
Brooklyn .....	150	.....
Jewel .....	160	.....
R. Bell .....	.....	480
No. 7 .....	.....	595
Sundry shipments .....	1,000	600
Sunset .....	.....	400
<b>Total.....</b>	<b>98,781</b>	<b>269,922</b>
<b>Grand total to date.....</b>	<b>.....</b>	<b>385,253</b>

Shipments during October approximate 30,000 tons.

The quantity of ore treated by the single furnace of the British Columbia Copper Company's smelter at Greenwood during September was 11,825 tons this giving a daily average of 394 1-10 tons. The largest tonnage of any single month was that of July, when 11,942 tons were smelted in 31 days, the daily average having been 385 1/4 tons. The tonnage for September is larger than the other two 30-day months of the year, that of April having been 11,322 tons, or 377 1/2 tons per day, and that of June 11,206 tons, or 375 1/2 tons a day. The total tonnage of ore smelted during rather more than seven months since the smelter was started is 79,543 tons.

#### NELSON.

The manager, Mr. Nelson Fell, gives the following particulars of recent operations at the Athabasca mine:

In the cyanide plant the class of material treated consisted of accumulated tailings in dam.

Number of tons treated, 1,582.4; value of bullion recovered \$15,299.94; value of bullion per ton treated, \$9.67; average percentage of recovery, 80 per cent.

Mill run—The ore treated was that which was produced from development work carried out during May, June, July and August. This work was carried on in the granite formation at the horizon of our deepest level. The vein looks finer here than it has at any previous period of the history of the mine.

Number of tons milled, 124; value of bullion recovered in mill, \$1,547.61; concentrates recovered, \$835.39. Total values recovered, \$2,383. Value per ton, \$19.21.

#### LARDEAU.

The Trout Lake *Topic* has compiled the following table, which shows the amount and value of the ore that has been shipped from the mines of the district for the nine months of the year:

	Tons.	Amount.
Silver Cup .....	1,020	\$150,960
Nettie L. ....	470	58,570
Triune .....	132	34,350
Broadview .....	26	1,665
Ethel .....	17	1,595
Great Northern .....	28	1,345
Lade group .....	6	1,320
Cromwell .....	7	800
St. Elmo .....	6	510
<b>Total .....</b>	<b>1,712</b>	<b>\$251,295</b>

#### SLOCAN.

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 October 19, 1901, the shipments aggregate 20,045 tons. Of this, rather over 5,000 tons have been contributed by the Slocan City division, the Arlington mine in which, being by far the largest producer of the Slocan district during 1901, with a record to date of 4,200 tons. Slocan shipments by rail for September were:

	Tons.
From Sandon, over the Kaslo & Slocan:	
Slocan Star .....	196
American Boy .....	167
Last Chance .....	60
Payne .....	42
Ruth .....	15
Sunset .....	40
From Sandon, over the C. P. R.:	
Minnesota Silver Co. ....	105
Goodenough .....	30
Star .....	220
From Whitewater:	
Whitewater .....	394

#### RECENT CABLES.

*Hall Mining and Smelting.*—The output of smelting ore from the Silver King for the four-weekly period ended 23rd September is announced as 2,969 tons, averaging 20.16 ozs. silver per ton and 4.60 per cent. copper.

*Le Roi No. 2.*—It is announced that shipments last month amounted to 2,732 tons, yielding 1,258 ozs. gold, 3,300 ozs. silver, 68.8 tons copper; estimated value \$49,000. Net profit after payment of all expenses, \$19,000. Average number of men working, 75. Expect to fill force to 130 men by 15th October.

#### 1901 DIVIDENDS.

The following mines in the Kootenay district have paid dividends during 1901:

	Amount.	Rate.
Bosun, Slocan .....	\$ 12,500	5 per cent.
Centre Star, Rossland .....	105,000	3 "
Le Roi No. 2, Rossland .....	144,000	4 3/4 "
North Star .....	117,000	8 "
Payne, Slocan .....	78,000	3 "
St. Eugene, East Kootenay .....	210,000	6 "
Rambler-Cariboo .....	12,500	1 "
Ymir, Nelson .....	144,000	14 3/4 "

Last month (September) the New Vancouver Coal Co. declared an interim dividend of 3 per cent.

#### THE LOCAL STOCK MARKET.

**B**OTH the Eastern and Western markets this month have been weak and inactive, and conditions prevailing during the period under review have been generally unsatisfactory and disappointing. The public evidently have little faith in the intrinsic value or merit of even