

Returns furnished by the Banks to the DEPARTMENT OF FINANCE.

LIABILITIES.

Loans from other banks in Canada, secured.	Deposits, by other Canadian banks, payable on demand or at fixed date.	Balances due to other banks in Canada in daily exchanges.	Balances due to agencies of the bank, or to other banks or agencies in foreign countries.	Balances due to agencies of bank, or to other banks or agencies in United Kingdom.	Liabilities not included under foregoing heads.	Total liabilities.	Directors' liabilities.
.....	80,458	85,023	3,090	.....	475	9,130,952	70,629
.....	470,770	26,413	8,513	.....	4,121	18,854,020	332,355
.....	.....	1,341	.....	.....	.....	9,603,935	510,000
.....	.....	50,888	.....	.....	.....	5,763,791	202,000
.....	.....	878	.....	.....	.....	4,504,268	134,421
.....	.....	2,355	.....	.....	.....	8,363,774	191,316
.....	.....	4,548	.....	.....	.....	2,624,394	151,641
.....	.....	2,754	.....	.....	.....	5,072,214	19,932
.....	.....	29	.....	.....	.....	3,703,256	152,299
.....	.....	1,454	.....	.....	8	1,233,896	22,676
.....							
.....	702,024	109,616	.....	.....	91,347	29,187,614	715,000
.....	31,500	4,040	30,173	.....	8,231	9,874,670	.....
.....	50,000	9,265	.....	.....	4,567,582	207,667	.....
.....	.....	619	.....	.....	2,189,708	109,466	.....
.....	.....	.....	439	.....	6,692	1,302,365	91,565
.....	.....	2,469	.....	.....	8,448	2,356,193	63,900
.....	.....	76,525	6,696	.....	13,014	9,169,710	99,900
.....	895,439	4,349	.....	.....	5,778	13,780,294	1,090,489
.....	.....	64,163	1,215	.....	.....	2,739,781	123,000
.....	.....	20,695	.....	.....	.....	6,221,464	14,000
.....	.....	1,810	371	.....	.....	4,524,733	329,490
.....	.....	686	.....	.....	.....	109,949	11,031
.....	.....	.....	.....	.....	.....	750,600	60,835
.....	59,000	.....	.....	.....	3,000	3,387,711	198,424
.....							
.....	59,302	1,152	39,270	77,072	44,780	7,518,833	72,112
.....	90,000	97,099	566	48,676	33,266	4,547,742	287,173
.....	.....	15,813	673	.....	695	1,216,194	53,431
.....	.....	.....	1,736	127,897	58,675	1,603,435	17,549
.....	.....	.....	.....	93,014	15,490	2,496,935	11,921
.....	.....	.....	.....	.....	.....	644,477	44,109
.....	.....	1,000	.....	.....	.....	214,341	29,113
.....	.....	.....	.....	1,809	1,863	357,862	159,781
.....							
.....	57,215	.....	.....	.....	.....	2,010,063	201,940
.....	62,093	.....	.....	.....	.....	380,526	66,412
.....	767	2,161	.....	7,158	.....	301,944	25,549
.....							
.....	100,000	2,313	.....	.....	.....	1,282,424	37,921
.....							
.....	16,599	2,243	129,696	450,744	.....	4,694,019	.....
.....	.....	.....	.....	.....	3,234	67,778	35,472
.....							
.....	189,000	2,516,157	531,034	223,360	2,912,774	310,455	186,582,729
.....	.....	.....	.....	.....	.....	.....	5,943,968

ASSETS.

Loans to the Government of Canada.	Loans to Provincial Governments.	Overdue debts.	Real Estate the property of the bank (other than bank premises).	Mortgages on real estate sold by the Bank.	Bank premises.	Other assets not included under foregoing heads.	Total Assets.	Average amount of specie held during the month.	Average amount of Dominion Notes held during the month.	Greatest amount of Notes in circulation at any time during the month.
.....	.....	26,145	6,117	.....	120,000	.....	12,948,622	330,719	1,235,111	1,507,000
.....	.....	117,591	12,551	221,140	645,447	76,070	25,895,859	433,000	752,000	2,596,000
.....	.....	116,553	.....	.....	201,379	4,799	12,623,235	211,000	350,000	1,075,000
.....	.....	78,487	97,659	42,630	163,717	1,217	7,696,106	181,400	409,400	943,300
.....	.....	25,841	17,000	.....	90,000	29,376	6,095,015	146,341	234,750	625,340
.....	.....	48,764	66,769	95,721	179,487	7,468	11,241,461	290,863	648,762	1,484,793
.....	.....	1,295	.....	1,068	19,390	18,040	3,293,814	80,000	135,000	264,000
.....	.....	43,278	6,686	2,181	142,709	44,530	7,010,104	168,846	313,791	864,000
.....	.....	22,075	24,490	8,495	53,100	.....	5,311,103	115,877	119,637	701,514
.....	.....	18,073	.....	.....	.....	5,960	1,700,594	38,466	34,041	266,021
.....										
.....	1,169,783	643,376	9,650	57,960	600,000	254,930	48,192,654	2,156,000	1,576,000	4,960,000
.....	6,561	232,822	18,373	.....	207,091	16,883	12,962,567	375,425	626,412	1,223,892
.....	.....	77,967	84,861	89,271	66,740	6,733	6,248,447	41,575	115,042	647,053
.....	.....	18,549	105,230	44,334	82,415	254,048	2,870,720	43,960	188,668	420,000
.....	.....	50,577	36,186	20,551	30,670	327,383	1,813,000	18,666	58,239	412,805
.....	.....	87,888	68,444	23,200	.....	17,759	3,288,945	73,120	130,412	582,465
.....	2,792	195,806	64,874	6,823	190,000	7,019	12,540,999	201,561	421,318	1,600,583
.....	.....	194,671	233,817	67,603	494,873	86,220	22,311,010	310,123	653,875	2,606,000
.....	.....	56,789	54,434	8,019	128,859	4,782	4,034,721	50,000	190,000	576,338
.....	3,401	145,779	13,246	27,436	161,578	81,887	9,358,791	71,688	440,669	591,006
.....	.....	97,085	18,721	612	185,000	71,881	6,023,496	24,907	131,687	336,300
.....	.....	36,685	2,450	8,933	.....	5,656	390,866	2,000	5,500	42,420
.....	.....	55,814	32,977	3,331	12,006	.....	1,126,310	12,795	15,579	227,799
.....	.....	169,063	15,627	70,610	100,000	13,639	5,525,620	116,486	88,720	840,493
.....										
.....	5,844	213,563	31,398	12,866	26,732	80,900	9,896,484	277,709	384,823	1,350,427
.....	60,776	14,846	3,800	.....	64,000	9,389	6,121,174	160,000	397,000	1,025,407
.....	290	30,945	4,062	.....	58,861	4,416	9,021,693	26,607	133,449	449,159
.....	255,310	5,661	.....	.....	48,000	12,000	2,930,440	21,646	120,523	292,098
.....	.....	15,692	7,901	.....	1,800	112	3,231,277	31,942	59,348	498,681
.....	.....	14,392	.....	.....	8,000	24,338	1,015,935	13,578	19,640	108,528
.....	.....	500	.....	.....	22,881	.....	507,049	4,963	5,041	55,151
.....	50,375	29,496	.....	.....	.....	106	796,514	11,750	16,296	106,867
.....										
.....	.....	3,216	.....	.....	30,000	2,975	3,034,151	106,833	142,886	479,091
.....	.....	6,031	15,488	.....	6,000	21,360	692,623	11,885	20,508	149,416
.....	.....	8,341	2,000	1,926	12,000	.....	552,907	10,850	18,550	105,875
.....										
.....	.....	52,291	19,478	11,700	12,646	7,286	1,870,966	8,750	19,895	325,955
.....										
.....	9,399	2,755	18,370	.....	109,679	7,876	5,733,766	296,129	194,837	1,100,807
.....										
.....	.....	1,732	991	.....	658	766	140,569	5,519	5,622	3,710
.....										
.....	21,736	1,806,368	9,808,971	1,075,910	839,566	4,325,878	1,482,202	6,391,322	10,548,041	32,060,696

J. M. COURTNEY, Deputy Minister of Finance.

ENERGY OF SUNSHINE.

"All the energy in the world," said Dr. C. F. Chandler, in a recent lecture before the Columbia School of Mines, "comes from sunshine. Even the energy in the electric battery that rings the doorbells of our homes has its origin in the light of the great solar system. The force in the copper wire that sets the ball to ringing comes from the zinc plate in the battery jar. The energy in the zinc plate comes from the anthracite coal with which it was burned when taken from the mines; and, finally, the energy in the anthracite coal was put there by the sunlight that fed and nourished it when it existed, ages ago, as trees and plants."

ELECTRICITY AND ITS USES.

For the World's Fair at Chicago is promised a miniature electric house which will illustrate the application of electricity to various economic uses. The apartments will be warmed by electric radiators, and ventilated and cooled by a system of electric fans. The cooking for the family will be conducted upon an electric range in the kitchen at the top of the house, and the food lowered to the dining-room upon an electrically propelled dumb waiter. The dishes will be washed by an electric dishwasher, on which a child can wash ten thousand pieces a day. The washing, ironing, the scrubbing of the floors and woodwork, the scrubbing of the silver and knives, and even the washing of the windows will be done by electricity. The offal, debris and sewage will be destroyed by the electric current. In the parlor will be a musical telegraph, with attachment for diffusing the music to an audience; a phonograph and cylinder containing celebrated songs by celebrated women, and celebrated speeches by celebrated men. There will be electric music boxes and every known contrivance to minister to the pleasure or comfort of the family.

TREATMENT OF ORES.

A NEW EXTRACTING PROCESS DISCOVERED BY A SCOTTISH EXPERT.

Mr. John Cunningham Montgomerie of Dalmore, Ayrshire, in conjunction with Mr. Henry Parkes of London, has discovered a process for the extraction of gold and silver from the refractory gold and silver sulphide ores of the Champion Mines, in the Thames district of New Zealand. These ores are well known to be of a very refractory nature, and all the processes now in use have failed to treat them satisfactorily. The best results that have been obtained in former trials were by a process which took 16 hours in treatment, with an extracting power of from 85 to 87 per cent. of gold, and from 72 to 86 per cent. of silver. During the past few months Mr. Montgomerie has personally carried out a large number of experiments at his "Tam o' Shanter" HoneWorks on this ore, with the result that he has reduced the time for treatment from 16 hours to 4 hours, and with an extracting power of from 95 to 99 per cent. of gold, and from 90 to 95 per cent. of silver. From trials on two special grades of the Champion sulphide ores, the following results have been obtained without the ore being calcined: Ore assaying 1 oz. 1 dwt. 11 grains gold, and 39 oz. 4 dwts. 21 grains silver, 98 per cent. of the gold, and 93½ per cent. of silver were extracted; and from ore assaying 2 oz. 9 dwts. gold, and 59 oz. 19 dwts. 7 grains silver, as high as 99.62 per cent. of the gold, and 95.39 per cent. of the silver have been taken out. In working out the best method for the treatment of these ores a number of valuable data have been arrived at, whereby the ore can be brought to yield up its precious metals, and some of these are specially adapted for certain refractory ores other than those of the type of the Champion ores. It is believed that one or other of the processes which have been discovered will treat a wide range of the various ores which are now but indifferently treated, and those of a slightly refractory nature may be treated easily with the highest results.—*Ayr (Scot.) Advertiser.*

—A mining corporation in the copper region of Upper Michigan will sink the deepest shaft in the world—over 4,000 feet at least.