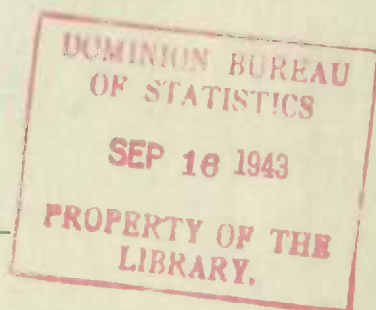


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CANADA—DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH

SPECIAL REPORT ON THE CONSUMPTION
OF SUPPLIES BY THE CANADIAN
MINING INDUSTRY

1934



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1935

DOMINION BUREAU OF STATISTICS

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The Value of Consumable Stores and Equipment Purchased and Expenditures for Freight and Insurance, by the Mining and Non-ferrous Metallurgical Industries in Canada, during the Calendar Year 1934

Data compiled from a statistical survey, recently conducted by the Mining, Metallurgical and Chemical Branch of the Dominion Bureau of Statistics at Ottawa, not only emphasize the great purchasing power of the Canadian mining industry but also reveal the great diversity of its purchases, the value of which is of ever growing importance to the economic welfare of Canadian industry as a whole.

The questionnaire which was used in conducting this survey was designed in collaboration with the Ontario Mining and Canadian Metal Mining Associations. The Bureau tenders its thanks to the officers of these associations and to the Canadian mining industry for their excellent co-operation in facilitating the completion of this work.

This survey is not absolutely complete since it was found impracticable to collect or obtain returns from individuals or companies whose records were either incomplete or entirely lacking. Then again, returns were not generally obtainable from prospectors or syndicates whose operations were of an exploratory nature and conducted in isolated or remote regions and whose expenditures would amount to a considerable sum in the aggregate.

The total value of purchases by the industry in 1934, as computed from returns made available, amounted to \$76,083,000. The survey covered the major groups of the mining industry, including metal mining, smelting and refining of non-ferrous domestic ores, non-metallic mineral mining, including coal, petroleum and natural gas production, and, to a lesser extent, the stone, lime and other structural materials industries.

It is also emphasized that the values shown in this report indicate only the direct purchasing power of the industry, and do not entirely reflect the increasing economic importance of the communities dependent, partially or entirely, on the development of our mineral resources.

An analysis of the values for 1934 reveals that the total of \$60,979,000 for metal mining and non-ferrous smelting and refining comprises 80 per cent of the total for the whole mining industry and of the total of \$60,979,000, the value of purchases by the Canadian gold mining industry alone constitutes 39.4 per cent, or \$23,994,000. Purchases by the copper-gold-silver mines and metallurgical plants smelting these ores, totalled \$9,777,000; \$16,170,000 was expended by the nickel-copper mining, smelting and refining industry; \$10,425,000 by the silver-lead-zinc mines and metallurgical plants, and \$594,000 by the cobalt-silver mining and smelting industries.

In the non-metal mining industries purchases by the coal mines totalled \$8,560,000 and \$2,024,000 was expended in the asbestos mining industry.

The returns received for the structural materials group aggregated \$2,569,000.

Of the total expenditures in all branches of the industry throughout the Dominion those of Ontario amounted to \$35,072,000 or 46.1 per cent; those of British Columbia (including Yukon) were second in importance with a total value of \$17,531,000 or 23.1 per cent; Quebec was third at \$9,714,000, and in the order of importance the other corresponding provincial expenditures were as follows: Nova Scotia, \$5,488,000, Manitoba (including Saskatchewan), \$4,843,000, Alberta, \$3,196,000, and New Brunswick, \$240,000.

The magnitude of certain particular expenditures, as shown in Table 1, is reflected in such items as \$9,139,000 for electric power, \$11,787,000 for freight, \$8,671,000 for coal, oil and other fuel, \$5,311,000 for explosives, \$4,154,000 for lumber and timber, \$2,301,000 for flotation reagents, cyanide and other chemicals, and \$1,050,000 for rock drills and parts. Other interesting items include \$1,665,000 for pipe and fittings, plumbing supplies and valves, \$2,343,000 for electrical equipment and supplies, \$385,000 for stationery, office equipment, etc., and \$58,400 for hospital equipment.

The statistical data provided by this survey are published under the following headings:—

TABLE I—Purchases of mining and milling equipment, general supplies, and freight and insurance expenditures by the entire Canadian mining industry, 1934.

Table II—Purchases of mining and milling equipment, general supplies and freight and insurance expenditures by the major groups of the Canadian mining industry, 1934.

Group A—Non-ferrous mining, smelting and refining.

Group B—Coal mines, oil and gas wells.

Group C—Non-metallic mines and quarries, excepting those included in Table "B".

Group D—Clay products and other structural materials.

Table III—Expenditures by the gold mining industry in Canada, by provinces, 1934.

Table IV—Expenditures by the copper-gold-silver mining and smelting industry in Canada, 1934.

Table V—Expenditures by the Canadian nickel-copper mining, smelting and refining industry, 1934.

Table VI—Expenditures by the silver-lead-zinc mining and smelting industry in Canada, 1934.

Table VII—Expenditures by the silver-cobalt mining and smelting industry in Canada, 1934.

Table VIII—Expenditures by the coal mining industry in Canada, by provinces, 1934.

Table IX—Expenditures in the Canadian asbestos mining industry, 1934.

In addition to the values shown in the tables of this report, a partial survey of the Canadian diamond drilling industry reveals a total value of \$224,600 in expenditures incurred by diamond drillers in 1934, and of this total, \$105,884 represents purchases of diamonds and bort for drills.

TABLE 1.—*PURCHASES OF MINING AND MILLING EQUIPMENT,
BY THE ENTIRE CANADIAN

		Nova Scotia
		\$
1	Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	34,093
2	Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	64,916
3	Castings:—unfinished iron and steel.....	43,665
4	Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	20,876
5	Cars and locomotives and mechanical parts for same.....	293,295
6	Track materials:—rails and fittings, switches, spikes, bolts, etc.....	139,414
7	Explosives:—powder, fuse and detonators.....	252,538
8	Rock drills and parts.....	25,721
9	Drill and tool steels.....	9,396
10	Pipe and fittings, plumbing supplies and valves.....	228,283
10a	Well casings.....	—
11	Iron and steel bars, sheets, plates, and all structural steel.....	145,155
12	Wire rope and fittings.....	180,458
13	Diamonds and bort for drilling.....	—
14	Safety equipment and apparel:—Safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	71,200
15	Fuel:—coal, coke, charcoal and wood.....	55,435
16	Fuel oil, kerosene and gasoline.....	53,638
17	Lubricants:—oil, grease and waste.....	92,381
18	Lumber and timber of all kinds.....	655,152
19	Building materials:—cement, brick, tile, roofing and building paper, insulating material, building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	101,551
20	Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	109,611
21	Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.....	23,070
22	Filter cloth, rotor covers and ore dressing blankets.....	20
23	Balls and rods for grinding.....	1,568
24	Machinery, mill, n.o.p. and parts.....	14,881
25	Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc.....	97,077
26	Machinery, smelter, n.o.p. and parts.....	—
27	Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment.....	59,804
28	Motor cars, trucks and accessories.....	19,267
29	Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	23,582
30	Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	23,877
31	Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	18,410
32	Flotation reagents.....	—
33	Cyanide and cyanide plant chemicals.....	3
34	Acids and chemicals, n.o.p.....	1,442
35	Refractories:—brick, cement, fireclay, etc.....	19,306
36	Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.....	150
37	Hospital equipment and medical supplies.....	3,831
38	Stationery, office equipment and supplies, survey and drafting equipment and supplies.....	34,775
39	Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item.....	225,344
40	Power—electric.....	1,007,449
41	Freight (a) incoming—only amounts paid direct to Railway Company.....	185,129
42	(b) outgoing.....	125,876
43	Express (a) incoming—only amounts paid direct to Express Company.....	4,164
44	(b) outgoing.....	377
45	Insurance (a) Fire.....	38,149
46	(b) Sickness and accident.....	29
47	(c) Group.....	1,451
48	(d) Workmen's compensation.....	458,379
49	(e) Bullion.....	40
50	(f) Other.....	35,373
	Added items for Coal Mining Industry—	
51	(a) Underground mine cars.....	111,992
52	(b) Coal cutting machinery and parts.....	159,084
53	(c) Horses and horse-keep (includes the purchase of horses, oats, hay, mixed feeds, harness, etc.).....	88,150
54	(d) Ground limestone for dusting.....	39,203
	Total.....	\$ 5,488,030

*Compiled from data received from 629 companies.

GENERAL SUPPLIES, AND FREIGHT AND INSURANCE EXPENDITURES,
MINING INDUSTRY, IN 1934

New Brunswick	Quebec	Ontario	* Manitoba and Saskatchewan	Alberta	British Columbia and Yukon	Canada	
\$	\$	\$	\$	\$	\$	\$	
718	58,817	106,027	15,800	9,528	70,656	304,639	1
1,246	166,589	111,922	20,087	11,604	118,251	491,615	2
286	28,273	131,081	16,134	11,139	103,662	334,240	3
150	55,700	57,303	26,711	2,716	317,587	481,133	4
-	39,565	290,375	29,395	21,098	106,665	780,393	5
2,993	52,323	262,256	51,903	22,346	74,482	605,717	6
14,395	723,179	2,708,440	316,479	112,638	1,183,263	5,310,932	7
196	143,004	569,407	67,700	13,559	230,420	1,050,007	8
73	76,234	399,993	27,214	61,158	84,375	658,143	9
1,072	183,878	789,883	87,006	118,589	256,670	1,665,381	10
-	-	47,876	-	252,730	-	300,606	10a
510	269,475	846,372	113,057	48,585	338,512	1,761,866	11
2,514	39,215	193,671	46,570	63,776	180,414	706,618	12
-	21,677	124,133	5,903	234	5,203	157,150	13
2,339	23,785	140,607	15,254	21,488	169,138	443,811	14
6,787	1,249,518	3,933,760	229,102	16,551	1,663,663	7,151,816	15
2,901	293,561	684,202	49,729	41,859	390,420	1,516,316	16
2,682	74,577	216,489	57,063	65,338	142,688	651,218	17
40,132	245,910	2,352,472	106,413	325,848	427,688	4,153,615	18
4,167	248,599	637,166	58,468	51,156	336,636	1,437,713	19
5,285	422,069	919,161	172,434	51,397	572,963	2,342,920	20
1,295	255,679	644,198	80,027	5,547	265,334	1,275,150	21
-	12,280	135,471	11,609	2,203	41,620	203,263	22
-	103,581	728,480	89,337	-	143,669	1,066,635	23
932	336,496	754,430	111,074	3,230	317,094	1,538,137	24
10,660	314,557	581,021	171,544	224,494	366,904	1,766,257	25
-	85,746	601,205	19,036	-	24,395	731,282	26
10,701	199,775	535,054	52,127	149,810	252,706	1,259,977	27
525	42,509	137,070	22,126	45,368	140,225	407,090	28
1,973	51,780	181,370	43,620	19,895	231,135	553,355	29
841	37,989	117,922	25,603	11,436	37,640	255,308	30
723	44,591	156,280	20,742	5,943	139,556	386,245	31
-	182,965	253,817	180,452	-	270,371	887,605	32
-	38,490	710,923	144,998	-	65,665	960,079	33
165	38,321	284,337	19,136	7,606	101,813	452,820	34
120	164,550	547,697	45,823	6,251	83,913	867,660	35
-	10,702	1,283,633	91,873	-	122,847	1,509,205	36
100	4,042	26,501	1,537	1,684	20,711	58,106	37
3,448	58,465	160,661	22,466	28,666	76,433	381,914	38
1,000	702,347	1,093,737	883,768	185,065	726,782	3,818,013	39
15,736	1,345,764	4,075,773	131,094	186,310	2,377,384	9,139,510	40
12,957	775,332	4,590,675	468,118	116,139	2,307,888	8,456,238	41
31,721	102,977	469,155	467,073	275,533	1,858,959	3,331,294	42
967	11,931	106,136	2,191	6,771	17,024	149,184	43
368	12,326	63,883	6,938	764	27,533	112,189	44
3,809	155,144	310,141	60,281	102,380	107,844	837,748	45
-	4,555	36,943	1,193	5,432	2,001	50,153	46
355	28,674	127,298	1,202	17,951	76,350	253,281	47
30,463	163,845	766,212	124,815	259,475	357,960	2,161,149	48
-	4,446	47,021	984	-	6,747	59,238	49
-	8,046	22,218	10,863	12,710	94,120	183,300	50
5,936	-	-	3,533	40,282	189	161,932	51
16,754	-	-	1,699	78,318	12,243	268,098	52
2	-	-	12,011	70,548	11,473	182,184	53
-	-	-	365	2,386	1,703	43,657	54
239,997	9,713,823	35,072,148	4,842,640	3,195,534	17,530,593	76,082,765	

*Since the operations of one large mining and smelting company are conducted on the Interprovincial boundary it was necessary to combine the statistics for Manitoba and Saskatchewan.

TABLE 2.—PURCHASES OF MINING AND MILLING EQUIPMENT,
BY MAJOR GROUPS OF THE

Group A.—Non-ferrous mining,

		Nova Scotia
		\$
1	Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	2,640
2	Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	731
3	Castings:—unfinished iron and steel.....	1,451
4	Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	—
5	Cars and locomotives and mechanical parts for same.....	190
6	Track materials:—rails and fittings, switches, spikes, bolts, etc.....	1,032
7	Explosives:—powder, fuse and detonators.....	21,458
8	Rock drills and parts.....	7,674
9	Drill and tool steels.....	2,569
10	Pipe and fittings, plumbing supplies and valves.....	4,593
11	Iron and steel bars, sheets, plates, and all structural steel.....	1,354
12	Wire rope and fittings.....	390
13	Diamonds and bort for drilling.....	—
14	Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	1,129
15	Fuel:—coal, coke, charcoal and wood.....	7,897
16	Fuel oil, kerosene and gasoline.....	8,871
17	Lubricants:—oils, grease and waste.....	2,553
18	Lumber and timber of all kinds.....	8,109
19	Building materials:—cement, brick, tile, roofing and building paper, insulating material, building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	7,316
20	Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	4,992
21	Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.....	2,771
22	Filter cloth, rotor covers and ore dressing blankets.....	20
23	Balls and rods for grinding.....	35
24	Machinery, mill, n.o.p. and parts.....	11,687
25	Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc.....	21,377
26	Machinery, smelter, n.o.p. and parts.....	—
27	Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment.....	8,511
28	Motor cars, trucks and accessories.....	1,908
29	Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	1,187
30	Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	694
31	Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	1,528
32	Flotation reagents.....	—
33	Cyanide and cyanide plant chemicals.....	—
34	Acids and chemicals, n.o.p.....	670
35	Refractories:—brick, cement, fireclay, etc.....	90
36	Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.....	—
37	Hospital equipment and medical supplies.....	90
38	Stationery, office equipment and supplies, survey and drafting equipment and supplies.....	1,402
39	Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item.....	4,230
40	Power—electric.....	16,298
41	Freight (a) incoming—only amounts paid direct to Railway Company.....	2,375
42	(b) outgoing.....	1,439
43	Express (a) incoming—only amounts paid direct to Express Company.....	440
44	(b) outgoing.....	106
45	Insurance (a) Fire.....	2,128
46	(b) Sickness and accident.....	—
47	(c) Group.....	—
48	(d) Workmen's compensation.....	3,177
49	(e) Bullion.....	40
50	(f) Other.....	—
Total		167,152

GENERAL SUPPLIES, AND FREIGHT AND INSURANCE EXPENDITURES,
CANADIAN MINING INDUSTRY, 1934

Smelting and Refining

New Brunswick	Quebec	Ontario	* Manitoba and Saskatchewan	Alberta	British Columbia and Yukon	Canada	
\$	\$	\$	\$	\$	\$	\$	
26,328	96,291	14,760	71,307	211,326	1		
21,673	105,603	18,563	110,621	257,191	2		
11,746	121,155	15,199	90,254	239,805	3		
55,042	53,906	26,421	317,112	452,481	4		
37,696	256,722	27,092	106,318	428,018	5		
46,033	257,046	45,604	69,030	418,745	6		
562,515	2,589,698	288,366	1,120,049	4,582,086	7		
134,497	562,788	67,697	226,562	999,218	8		
73,835	397,919	27,014	82,828	584,165	9		
179,836	603,312	85,499	245,887	1,209,127	10		
225,076	829,301	109,315	317,280	1,482,326	11		
32,066	183,502	43,214	65,629	321,801	12		
19,845	124,133	5,846	5,203	155,027	13		
22,286	140,212	13,280	165,745	312,652	14		
873,829	3,390,769	214,413	1,615,999	6,102,907	15		
246,465	608,262	34,668	374,599	1,272,865	16		
42,077	185,460	36,088	127,646	393,824	17		
217,247	2,334,915	90,340	335,603	2,986,214	18		
170,197	613,482	53,995	331,923	1,176,913	19		
395,212	894,523	165,732	560,195	2,020,654	20		
176,549	612,316	79,144	253,613	1,121,393	21		
11,238	135,208	11,669	41,620	199,755	22		
103,521	721,100	89,337	142,113	1,056,106	23		
267,326	745,480	110,474	295,073	1,430,010	24		
293,282	573,724	167,425	354,048	1,389,856	25		
81,704	601,067	19,936	24,395	727,102	26		
186,277	433,752	45,931	249,905	924,376	27		
11,386	84,184	6,416	138,750	242,624	28		
35,613	170,352	40,861	227,699	475,712	29		
33,132	108,344	23,535	35,705	201,410	30		
44,152	155,580	20,202	139,255	360,717	31		
182,945	253,817	180,452	270,371	887,585	32		
38,490	710,865	144,998	65,665	960,018	33		
34,370	273,785	18,555	92,900	420,280	34		
163,183	525,643	45,781	81,443	816,140	35		
10,702	1,283,112	91,873	122,847	1,508,534	36		
3,602	26,039	1,238	20,609	51,578	37		
34,985	140,561	18,666	74,246	269,860	38		
294,869	1,023,342	878,097	596,764	2,797,302	39		
602,405	3,833,660	84,997	2,289,780	6,827,110	40		
716,948	4,409,374	434,431	2,280,945	7,811,073	41		
46,689	219,622	451,696	1,853,513	2,572,959	42		
8,673	34,328	2,046	16,931	62,118	43		
12,147	63,299	6,880	27,525	109,957	44		
73,606	245,280	41,631	111,557	474,202	45		
1,925	36,330	-	1,894	40,149	46		
1,559	115,881	420	75,030	192,899	47		
123,132	726,540	105,504	230,959	1,189,312	48		
4,446	47,021	984	6,747	59,238	49		
3,212	19,800	7,214	92,884	123,110	50		
6,995,569	32,768,405	4,613,499	16,531,556	60,979,181			

TABLE 2.—PURCHASES OF MINING AND MILLING EQUIPMENT,
BY MAJOR GROUPS OF THE

Group B.—Coal Mines,

	Nova Scotia
	\$
1 Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same	20,909
2 Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.	63,338
3 Castings:—unfinished iron and steel	41,414
4 Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds	19,967
5 Cars and locomotives and mechanical parts for same	292,399
6 Track materials:—rails and fittings, switches, spikes, bolts, etc.	138,032
7 Explosives:—powder, fuse and detonators	202,286
8 Rock drills and parts	16,134
9 Drill and tool steels	6,237
10 Pipe and fittings, plumbing supplies and valves	219,293
10a Well casings	—
11 Iron and steel bars, sheets, plates, and all structural steel	142,636
12 Wire rope and fittings	178,117
13 Diamonds and bort for drilling	—
14 Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals	69,923
15 Fuel:—coal, coke, charcoal and wood	—
16 Fuel, oil, kerosene and gasoline	13,807
17 Lubricants:—oil, grease and waste	84,688
18 Lumber and timber of all kinds	644,569
19 Building materials:—cement, brick, tile, roofing and building paper, insulating material, building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous	92,596
20 Electrical equipment and supplies:—motors, batteries, wire and cable, etc.	190,616
21 Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.	18,935
22 Filter cloth, rotor covers and ore dressing blankets	—
23 Balls and rods for grinding	1,533
24 Machinery, mill, n.o.p. and parts	—
25 Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc.	68,106
26 Machinery, smelter, n.o.p. and parts	—
27 Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment	51,103
28 Motor cars, trucks and accessories	7,990
29 Tools:—hrooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.	20,530
30 Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.	21,561
31 Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts)	16,131
32 Flotation reagents	—
33 Cyanide and cyanide plant chemicals	3
34 Acids and chemicals, n.o.p.	640
35 Refractories:—brick, cement, fireclay, etc.	4,222
36 Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.	—
37 Hospital equipment and medical supplies	3,658
38 Stationery, office equipment and supplies, survey and drafting equipment and supplies	32,996
39 Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item	212,949
40 Power—electric	981,959
41 Freight (a) incoming—only amounts paid direct to Railway Company	181,621
42 (b) outgoing	118,886
43 Express (a) incoming—only amounts paid direct to Express Company	3,502
44 (b) outgoing	266
45 Insurance (a) Fire	33,352
46 (b) Sickness and accident	—
47 (c) Group	1,081
48 (d) Workmen's compensation	452,927
49 (e) Bullion	—
50 (f) Other	35,340
Added items for Coal Mining Industry—	
51 (a) Underground mine cars	111,992
52 (b) Coal cutting machinery and parts	159,084
53 (c) Horses and horse-keep (includes the purchase of horses, oats, hay, mixed feeds, harness, etc.)	88,150
54 (d) Ground Limestone for dusting	39,203
Total	5,113,681

NOTE: Reports received from 116 coal companies and 60 oil and natural gas companies.

GENERAL SUPPLIES, AND FREIGHT AND INSURANCE EXPENDITURES,
CANADIAN MINING INDUSTRY, 1934—Con.

Oil and Gas Wells

New Brunswick	Quebec	Ontario	Manitoba and Saskatchewan	Alberta	British Columbia	Canada	
\$	\$	\$	\$	\$	\$	\$	
707	-	361	701	8,759	3,434	43,871	1
1,224	-	-	1,360	11,030	5,928	82,886	2
61	-	8	857	10,567	9,180	62,087	3
131	-	-	163	2,698	-	22,959	4
-	-	-	2,296	21,030	-	315,725	5
2,959	-	-	6,191	22,192	5,376	174,750	6
12,633	-	572	27,633	111,332	57,219	411,675	7
3	-	1,895	-	13,559	3,872	34,963	8
25	-	15	192	61,158	782	68,109	9
999	-	89,056	1,328	118,329	9,696	438,701	10
-	-	47,876	-	252,730	-	390,606	10a
393	-	-	2,953	48,485	15,822	210,289	11
2,382	-	4,171	3,232	63,776	13,566	265,211	12
-	-	-	-	234	-	234	13
2,331	-	-	1,254	21,457	3,361	98,326	14
-	-	*3,951	-	*10,414	-	14,365	15
25	-	13,224	10,521	41,830	7,664	87,071	16
2,257	-	2,611	4,941	64,135	12,971	171,603	17
39,882	-	651	14,352	322,306	188,556	1,210,376	18
3,859	-	5,383	3,066	50,715	2,658	158,277	19
5,268	-	228	5,034	51,290	2,526	254,962	20
605	-	-	490	5,547	-	25,577	21
-	-	-	-	1,949	-	1,919	22
-	-	-	-	-	-	1,533	23
375	-	-	-	3,230	-	3,605	24
10,624	-	399	4,119	224,494	32,654	340,396	25
-	-	-	-	-	-	-	26
10,189	-	10,143	5,710	148,850	169	226,161	27
275	-	20,230	10,559	45,368	12	84,431	28
1,782	-	5,804	2,573	19,658	2,203	52,550	29
841	-	1,479	1,910	11,436	15	37,242	30
723	-	-	540	5,937	95	23,426	31
-	-	-	-	-	-	-	32
-	-	58	-	-	-	61	33
165	-	3,871	-	7,602	8,524	20,802	34
-	-	474	42	5,357	187	10,282	35
-	-	-	-	-	-	-	36
94	-	2	274	1,634	4	5,666	37
2,546	-	12,910	2,135	27,727	137	78,451	38
688	-	6,304	4,818	170,373	99,763	494,895	39
14,070	-	-	32,439	182,550	33,144	1,244,162	40
11,107	-	523	8,135	102,508	1,734	305,628	41
28,017	-	-	5,011	268,973	1,545	422,432	42
187	-	14	86	6,730	71	10,590	43
15	-	85	2	763	-	1,131	44
2,992	-	8,053	8,403	97,515	40,785	191,106	45
-	-	35	57	5,432	-	5,524	46
155	-	5,087	274	16,892	-	23,189	47
28,403	-	6,953	17,414	258,170	117,083	880,950	48
-	-	-	-	-	-	-	49
-	-	-	3,649	12,682	-	51,671	50
5,936	-	-	3,533	40,282	189	161,932	51
16,754	-	-	1,699	78,318	12,243	268,098	52
2	-	-	12,011	70,548	11,473	182,184	53
-	-	-	365	2,386	1,703	43,657	54
211,684	-	252,426	212,328	3,130,397	705,844	9,626,960	

*Purchased by oil and natural gas companies only.

TABLE 2.—PURCHASES OF MINING AND MILLING EQUIPMENT,
BY MAJOR GROUPS OF THE

Group C.—Non-metallic Mines and

		Nova Scotia
		\$
1	Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	1,264
2	Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	762
3	Castings:—unfinished iron and steel.....	298
4	Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	910
5	Cars and locomotives and mechanical parts for same.....	655
6	Track materials:—rails and fittings, switches, spikes, bolts, etc.....	279
7	Explosives:—powder, fuse and detonators.....	28,028
8	Rock drills and parts.....	1,913
9	Drill and tool steels.....	620
10	Pipe and fittings, plumbing supplies and valves.....	4,395
11	Iron and steel bars, sheets, plates, and all structural steel.....	1,204
12	Wire rope and fittings.....	1,959
13	Diamonds and bort for drilling.....	—
14	Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	148
15	Fuel:—coal, coke, charcoal and wood.....	25,676
16	Fuel oil, kerosene and gasoline.....	22,591
17	Lubricants:—oil, grease and waste.....	4,773
18	Lumber and timber of all kinds.....	2,211
19	Building materials:—cement, brick, tile, roofing and building paper, insulating material building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	1,405
20	Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	3,821
21	Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.....	1,013
22	Filter cloth, rotor covers and ore dressing blankets.....	—
23	Balls and rods for grinding.....	—
24	Machinery, mill, n.o.p. and parts.....	3,311
25	Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc....	7,548
26	Machinery, smelter, n.o.p. and parts.....	—
27	Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment.....	500
28	Motor cars, trucks and accessories.....	8,956
29	Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	1,830
30	Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	1,622
31	Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	707
32	Flotation reagents.....	—
33	Cyanide and cyanide plant chemicals.....	—
34	Acids and chemicals, n.o.p.....	61
35	Refractories:—brick, cement, fireclay, etc.....	14,739
36	Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.....	—
37	Hospital equipment and medical supplies.....	79
38	Stationery, office equipment and supplies, survey and drafting equipment and supplies..	430
39	Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item.....	7,612
40	Power—electric.....	5,826
41	Freight (a) incoming—only amounts paid direct to Railway Company.....	618
42	(b) outgoing.....	619
43	Express (a) incoming—only amounts paid direct to Express Company.....	201
44	(b) outgoing.....	5
45	Insurance (a) Fire.....	2,031
41	(b) Sickness and accident.....	—
47	(c) Group.....	370
48	(d) Workmen's compensation.....	2,293
49	(e) Bullion.....	—
50	(f) Other.....	33
Total		163,316

NOTE.—A very small production from New Brunswick is included with Nova Scotia.

GENERAL SUPPLIES, AND FREIGHT AND INSURANCE EXPENDITURES
CANADIAN MINING INDUSTRY, 1934—Con.

Quarries, excepting those included in Table B.

New Brunswick	Quebec	Ontario	Manitoba and Saskatchewan	Alberta	British Columbia	Canada	
\$	\$	\$	\$	\$	\$	\$	
-	26,639	1,970	139	-	126	30,138	1
-	144,282	569	30	-	59	145,702	2
-	14,331	309	28	-	-	14,966	3
-	563	443	82	-	44	2,012	4
-	1,869	149	7	-	233	2,913	5
-	6,127	298	75	-	43	6,822	6
-	137,850	3,740	233	-	678	170,529	7
-	2,884	479	3	-	-	5,279	8
-	1,824	414	8	-	1	2,867	9
-	3,077	2,579	148	-	243	10,112	10
-	42,767	540	789	-	326	45,626	11
-	5,548	519	41	-	72	8,139	12
-	-	-	-	-	-	-	13
-	1,411	143	11	-	-	1,713	14
-	273,525	100,047	5,592	-	195	405,035	15
-	23,536	9,262	1,008	-	2,937	59,334	16
-	25,539	1,721	15,259	-	169	47,461	17
-	23,462	2,949	824	-	352	29,798	18
-	65,990	4,780	625	-	549	73,349	19
-	14,833	5,878	398	-	152	25,082	20
-	53,967	1,767	393	-	528	57,668	21
-	732	263	-	-	-	995	22
-	60	176	-	-	-	236	23
-	62,360	658	391	-	680	67,100	24
-	18,705	1,527	-	-	33	27,813	25
-	4,042	-	-	-	-	4,012	26
-	7,740	75,783	23	-	200	84,216	27
-	9,977	3,271	5,151	-	-	27,355	28
-	15,016	1,012	116	-	89	18,063	29
-	4,004	347	46	-	106	6,185	30
-	338	27	-	-	53	1,125	31
-	20	-	-	-	-	20	32
-	-	-	-	-	-	-	33
-	793	586	-	-	-	1,410	34
-	927	259	-	-	3	15,928	35
-	-	-	-	-	-	-	36
-	372	83	15	-	7	556	37
-	19,020	551	854	-	967	21,822	38
-	401,183	24,259	131	-	-	433,185	39
-	667,390	55,103	9,533	-	3,840	741,692	40
-	46,387	21,089	20,550	-	17,734	106,378	41
-	28,309	14,239	8,238	-	1,448	52,853	42
-	1,390	439	46	-	-	2,076	43
-	76	59	37	-	-	177	44
-	58,748	7,536	5,692	-	2,428	76,435	45
-	1,442	-	1,136	-	-	2,578	46
-	25,384	594	508	-	443	27,299	47
-	30,200	5,820	810	-	950	40,073	48
-	-	-	-	-	-	-	49
-	2,509	178	-	-	-	2,720	50
-	2,277,208	352,415	78,970	-	35,688	2,997,597	

TABLE 2.—PURCHASES OF MINING AND MILLING EQUIPMENT,
BY MAJOR GROUPS OF THE

Group D.—Clay Products and

	Nova Scotia
	\$
1 Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	291
2 Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	88
3 Castings:—unfinished iron and steel.....	502
4 Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	—
5 Cars and locomotives and mechanical parts for same.....	51
6 Track materials:—rails and fittings, switches, spikes, bolts, etc.....	71
7 Explosives:—powder, fuse and detonators.....	766
8 Rock drills and parts.....	—
9 Drill and tool steels.....	—
10 Pipe and fittings, plumbing supplies and valves.....	—
11 Iron and steel bars, sheets, plates, and all structural steel.....	39
12 Wire rope and fittings.....	78
13 Diamonds and bort for drilling.....	5
14 Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	—
15 Fuel:—coal, coke, charcoal and wood.....	23,614
16 Fuel oil, kerosene and gasoline.....	8,382
17 Lubricants:—oil, grease and waste.....	419
18 Lumber and timber of all kinds.....	313
19 Buildings materials:—cement, brick, tile, roofing and building paper, insulating material, building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	263
20 Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	182
21 Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.....	521
22 Filter cloth, rotor covers and ore dressing blankets.....	—
23 Balls and rods for grinding.....	—
24 Machinery, mill, n.o.p. and parts.....	—
25 Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc....	82
26 Machinery, smelter, n.o.p. and parts.....	—
27 Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment.....	12
28 Motor cars, trucks and accessories.....	663
29 Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	38
30 Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	—
31 Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	44
32 Flotation reagents.....	—
33 Cyanide and cyanide plant chemicals.....	—
34 Acids and chemicals, n.o.p.....	71
35 Refractories:—brick, cement, fireclay, etc.....	255
36 Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.....	150
37 Hospital equipment and medical supplies.....	5
38 Stationery, office equipment and supplies, survey and drafting equipment and supplies.....	34
39 Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item.....	844
40 Power—electric.....	3,366
41 Freight (a) incoming—only amounts paid direct to Railway Company.....	515
42 (b) outgoing.....	4,936
43 Express (a) incoming—only amounts paid direct to Express Company.....	21
44 (b) outgoing.....	—
45 Insurance (a) Fire.....	667
46 (b) Sickness and accident.....	29
47 (c) Group.....	—
48 (d) Workmen's compensation.....	575
49 (e) Bullion.....	—
50 (f) Other.....	—
Total.....	47,892
Grand Total.....	*5,492,641

*The Nova Scotia and New Brunswick totals do not agree with those shown on Table I, since it was necessary to combine the New Brunswick figures in Table 2c with those of Nova Scotia, as only one firm reported for New Brunswick in this group.

GENERAL SUPPLIES, AND FREIGHT AND INSURANCE EXPENDITURES,
CANADIAN MINING INDUSTRY, 1934—Conc.

other Structural Materials

New Brunswick	Quebec	Ontario	Manitoba and Saskatchewan	Alberta	British Columbia and Yukon	Canada	
\$	\$	\$	\$	\$	\$	\$	
—	5,850	7,405	200	769	4,789	19,364	1
19	634	5,750	134	574	1,643	8,842	2
225	2,196	9,600	50	572	4,228	17,392	3
18	95	3,044	45	18	431	3,651	4
—	—	33,504	—	68	114	33,737	5
34	163	4,912	33	154	33	5,400	6
1,762	22,814	114,430	247	1,306	5,317	146,612	7
193	5,623	4,245	—	—	486	10,517	8
18	575	1,645	—	—	764	3,092	9
30	965	4,936	31	260	844	7,111	10
—	1,632	16,731	—	100	5,084	23,625	11
119	1,601	5,479	83	—	1,147	8,434	12
—	1,832	—	57	—	—	1,889	13
8	88	252	709	31	32	1,120	14
5,035	102,164	438,993	9,097	6,137	47,469	632,509	15
2,863	23,560	53,454	3,532	29	5,226	97,016	16
373	6,961	26,697	775	1,203	1,902	38,330	17
200	5,201	13,957	897	3,482	3,177	27,227	18
279	12,412	13,521	782	441	1,506	29,201	19
17	12,024	18,532	1,270	107	10,090	42,222	20
520	25,163	30,115	—	—	11,193	67,512	21
—	310	—	—	254	—	561	22
—	—	7,204	—	—	1,556	8,760	23
440	6,810	8,292	209	—	21,341	37,092	24
—	2,570	5,371	—	—	169	8,192	25
—	—	138	—	—	—	138	26
190	5,758	15,376	463	960	2,432	25,191	27
—	21,146	29,385	—	—	1,483	52,677	28
188	1,151	4,202	70	237	1,144	7,030	29
—	793	7,752	112	—	1,814	10,471	30
—	101	673	—	6	153	977	31
—	—	—	—	—	—	—	32
—	—	—	—	—	—	—	33
—	3,158	6,095	581	4	389	10,298	34
120	440	21,321	—	894	2,280	25,310	35
—	—	521	—	—	—	671	36
5	68	377	10	50	91	606	37
815	4,460	6,639	811	939	1,083	14,781	38
21	6,295	39,832	722	14,692	30,255	92,661	39
1,666	75,969	187,010	4,125	3,760	50,620	326,516	40
1,850	11,997	159,689	5,002	13,631	7,475	200,159	41
3,700	27,979	235,294	2,128	6,560	2,453	283,050	42
780	1,868	71,355	13	41	22	71,100	43
353	103	440	19	1	8	924	44
788	22,790	49,272	4,549	4,865	13,074	96,065	45
—	1,188	578	—	—	107	1,902	46
200	1,731	5,736	—	1,050	877	9,601	47
1,467	10,513	26,899	1,087	1,305	8,968	50,814	48
—	—	—	—	—	—	—	49
—	2,295	2,210	—	28	1,236	5,799	50
24,302	441,046	1,698,002	37,813	64,537	254,505	2,569,027	
*235,986	9,713,823	35,072,148	4,842,640	3,195,534	17,530,593	76,082,765	

TABLE 3.—EXPENDITURES BY THE GOLD MINING INDUSTRY IN CANADA,
BY PROVINCES, 1934

	Nova Scotia	Quebec	Ontario	Manitoba and Sask- atchewan	British Columbia and Yukon	Canada
	\$	\$	\$	\$	\$	\$
1 Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	2,640	6,388	59,596	2,732	20,428	91,784
2 Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	731	9,684	55,094	8,054	18,254	91,817
3 Castings:—unfinished iron and steel.....	1,451	1,554	12,646	2,126	87,085	104,862
4 Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	—	819	24,840	1,406	4,447	31,521
5 Cars and locomotives and mechanical parts for same	190	4,718	135,746	13,145	54,524	208,323
6 Track materials:—rails and fittings, switches, spikes, bolts, etc.....	1,032	27,068	130,041	17,626	32,233	208,000
7 Explosives:—powder, fuse and detonators.....	21,458	273,404	2,036,109	123,459	454,799	2,969,229
8 Rock drills and parts.....	7,674	61,140	397,005	30,016	142,184	638,919
9 Drill and tool steels.....	2,569	32,809	296,615	17,171	39,512	388,676
10 Pipe and fittings, plumbing supplies and valves.....	4,593	73,470	477,461	37,722	110,885	704,131
11 Iron and steel bars, sheets, plates, and all structural steel.....	1,354	92,605	295,002	23,551	92,405	505,097
12 Wire rope and fittings.....	390	10,352	131,691	3,149	32,487	178,069
13 Diamonds and bort for drilling.....	—	5,580	119,230	5,846	3,071	133,727
14 Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	1,129	3,882	79,942	2,887	7,896	95,736
15 Fuel:—coal, coke, charcoal and wood.....	7,897	102,615	331,153	29,128	59,405	530,198
16 Fuel oil, kerosene and gasoline.....	8,871	102,128	158,182	18,077	153,765	441,923
17 Lubricants:—oil, grease and waste.....	2,553	19,929	121,438	6,590	48,358	198,868
18 Lumber and timber of all kinds.....	8,109	120,793	1,229,886	49,940	152,934	1,567,662
19 Buildings materials:—cement, brick, tile, roofing and building paper, insulating material, building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	7,316	79,417	374,884	30,167	122,693	614,477
20 Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	4,992	198,811	494,518	76,415	253,414	1,028,150
21 Crushing, grinding and screening machinery and parts; ball and tube mill liners, roll shells, etc.....	2,771	62,047	473,488	18,956	107,646	665,588
22 Filter cloth, rotor covers and ore dressing blankets.....	20	952	70,524	1,075	4,282	77,453
23 Balls and rods for grinding.....	35	12,987	634,237	22,240	62,787	732,286
24 Machinery, mill, n.o.p. and parts.....	11,687	96,446	688,874	85,575	209,798	1,132,380
25 Machinery, mine, n.o.p. and parts—steel shop equipment, hoists, mine pumps, etc.....	21,377	210,631	438,300	65,610	244,902	980,910
26 Machinery, smelter, n.o.p. and parts.....	—	—	723	—	1,711	2,434
27 Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment.....	8,511	95,645	240,978	30,736	97,038	472,008
28 Motor cars, trucks and accessories.....	1,908	10,031	59,785	5,500	52,544	129,768
29 Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	1,187	15,851	118,621	9,923	43,695	189,277
30 Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	694	6,006	54,133	8,638	14,175	83,646
31 Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	1,528	7,136	103,889	7,851	13,563	133,967
32 Flotation reagents.....	—	4,655	90,033	16,157	14,788	125,633
33 Cyanide and cyanide plant chemicals.....	—	24,601	707,185	27,282	56,703	815,771
34 Acids and chemicals, n.o.p.....	670	7,139	115,211	4,099	8,314	135,433
35 Refractories:—brick, cement, fireclay, etc.....	90	1,901	19,219	1,282	5,273	27,765
36 Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.....	—	811	25,712	3,125	6,007	35,655
37 Hospital equipment and medical supplies.....	90	1,840	14,328	1,088	11,350	28,696
38 Stationery, office equipment and supplies, survey and drafting equipment and supplies.....	1,402	19,331	105,423	9,465	26,834	162,455
39 Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item.....	4,230	164,423	681,433	677,904	131,912	1,559,802
40 Power—electric.....	16,298	73,546	2,672,382	84,997	41,598	2,888,821
41 Freight (a) incoming—only amounts paid direct to Railway Company.....	2,375	100,293	1,017,308	18,917	259,106	1,397,999
42 (b) outgoing.....	1,430	2,732	24,946	1,450	78,554	109,121
43 Express (a) incoming—only amounts paid direct to Express Company.....	440	5,269	22,893	313	5,309	31,251
44 (b) outgoing.....	108	892	63,212	6,880	7,063	78,753
45 Insurance (a) Fire.....	2,128	39,222	188,517	17,289	65,340	312,496
46 (b) Sickness and accident.....	—	—	36,339	—	1,704	38,043
47 (c) Group.....	—	1,559	112,085	420	6,926	120,988
48 (d) Workmen's compensation.....	3,177	62,761	576,252	20,657	96,216	761,903
49 (e) Bullion.....	40	2,766	42,594	984	6,747	53,131
50 (f) Other.....	—	2,841	16,150	521	12,948	32,460
Total.....	167,152	2,268,140	16,355,551	1,556,341	3,646,359	23,993,873

TABLE 4.—EXPENDITURES BY THE COPPER-GOLD-SILVER MINING AND SMELTING INDUSTRY IN CANADA, IN 1934

		Canada
		\$
1	Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	52,656
2	Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	33,536
3	Castings:—unfinished iron and steel.....	25,047
4	Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	82,941
5	Cars and locomotives and mechanical parts for same.....	60,357
6	Track materials:—rails and fittings, switches, spikes, bolts, etc.....	58,216
7	Explosives:—powder, fuse and detonators.....	904,413
8	Rock drills and parts.....	146,278
9	Drill and tool steels.....	65,877
10	Pipe and fittings, plumbing supplies and valves.....	177,732
11	Iron and steel bars, sheets, plates, and all structural steel.....	291,249
12	Wire rope and fittings.....	79,019
13	Diamonds and bort for drilling.....	15,670
14	Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	29,983
15	Fuel:—coal, coke, charcoal and wood.....	1,218,368
16	Fuel oil, kerosene and gasoline.....	228,367
17	Lubricants:—oil, grease and waste.....	80,482
18	Lumber and timber of all kinds.....	187,014
19	Building materials:—cement, brick, tile, roofing and building paper, insulating material building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	124,501
20	Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	329,685
21	Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.....	285,229
22	Filter cloth, rotor covers and ore dressing blankets.....	21,731
23	Balls and rods for grinding.....	232,534
24	Machinery, mill, n.o.p. and parts.....	206,755
25	Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc.....	186,861
26	Machinery, smelter, n.o.p. and parts.....	102,424
27	Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment.....	119,384
28	Motor cars, trucks and accessories.....	6,000
29	Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	73,730
30	Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	43,899
31	Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	50,988
32	Flotation reagents.....	409,707
33	Cyanide and cyanide plant chemicals.....	134,021
34	Acids and chemicals, n.o.p.....	47,140
35	Refractories:—brick, cement, fireclay, etc.....	216,735
36	Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.....	175,033
37	Hospital equipment and medical supplies.....	7,397
38	Stationery, office equipment and supplies, survey and drafting equipment and supplies.....	28,683
39	Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item.....	507,526
40	Power—electric.....	576,859
41	Freight (a) incoming—only amounts paid direct to Railway Company.....	1,228,356
42	(b) outgoing.....	523,980
43	Express (a) incoming—only amounts paid direct to Express Company.....	5,740
44	(b) outgoing.....	11,555
45	Insurance (a) Fire.....	99,081
46	(b) Sickness and accident.....	1,925
47	(c) Group.....	7,224
48	(d) Workmen's compensation.....	198,469
49	(e) Bullion.....	1,680
50	(f) Other.....	75,268
Total.....		\$ 9,777,335

TABLE 5.—EXPENDITURES BY THE NICKEL-COPPER MINING,
SMELTING AND REFINING INDUSTRY IN CANADA, 1934

		Canada
		\$
1	Belting of all kinds, including elevator conveyor, transmission, etc., and fasteners for same.....	35,797
2	Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	50,595
3	Castings:—unfinished iron and steel.....	106,099
4	Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	28,765
5	Cars and locomotives and mechanical parts of same.....	141,621
6	Track materials:—rails and fittings, switches, spikes, bolts, etc.....	134,848
7	Explosives:—powder, fuse and detonators.....	590,343
8	Rock drills and parts.....	163,052
9	Drill and tool steels.....	105,044
10	Pipe and fittings, plumbing supplies and valves.....	225,843
11	Iron and steel bars, sheets, plates and all structural steel.....	536,359
12	Wire rope and fittings.....	51,253
13	Diamonds and bort for drilling.....	1,230
14	Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miner's lamps and accessories and lamp rentals.....	60,500
15	Fuel:—coal, coke, charcoal and wood.....	3,020,258
16	Fuel oil, kerosene and gasoline.....	426,823
17	Lubricants:—oil, grease and waste.....	67,497
18	Lumber and timber of all kinds.....	1,110,121
19	Building materials:—cement, brick, tile, roofing and building paper, insulating material, building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	231,592
20	Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	444,289
21	Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.....	136,328
22	Filter cloth, rotor covers and ore dressing blankets.....	63,534
23	Balls and rods for grinding.....	83,453
24	Machinery, mill, n.o.p. and parts.....	72,648
25	Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc.....	195,405
26	Machinery, smelter, n.o.p. and parts.....	595,794
27	Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment.....	203,590
28	Motor cars, trucks and accessories.....	23,837
29	Tools:—brooms, picks, shovels, hammers, hundles, saws, wrenches, machinists' tools, etc.....	50,092
30	Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	53,889
31	Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	54,569
32	Flotation reagents.....	163,328
33	Cyanide and cyanide plant chemicals.....	164
34	Acids and chemicals, n.o.p.....	77,465
35	Refractories:—brick, cement, fireclay, etc.....	504,624
36	Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.....	1,255,986
37	Hospital equipment and medical supplies.....	11,879
38	Stationery, office equipment and supplies, survey and drafting equipment and supplies.....	33,885
39	Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item.....	270,551
40	Power—electric.....	1,089,896
41	Freight (a) incoming—only amounts paid direct to Railway Company.....	3,347,908
42	(b) outgoing.....	137,718
43	Express (a) incoming—only amounts paid direct to Express Company.....	14,951
44	(b) outgoing.....	168
45	Insurance (a) Fire.....	42,527
46	(b) Sickness and accident.....	—
47	(c) Group.....	—
48	(d) Workmen's compensation.....	148,762
49	(e) Bullion.....	2,627
50	(f) Other.....	2,792
	Total.....	\$ 16,170,299

TABLE 6.—EXPENDITURES BY THE SILVER-LEAD-ZINC MINING AND SMELTING INDUSTRY IN CANADA, 1934

		British Columbia
		\$
1	Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	29,703
2	Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	80,892
3	Castings:—unfinished iron and steel.....	1,387
4	Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	308,854
5	Cars and locomotives and mechanical parts for same.....	16,152
6	Track materials:—rails and fittings, switches, spikes, bolts, etc.....	16,752
7	Explosives:—powder, fuse and detonators.....	146,702
8	Rock drills and parts.....	40,408
9	Drill and tool steels.....	19,568
10	Pipe and fittings, plumbing supplies and valves.....	94,231
11	Iron and steel bars, sheets, plates, and all structural steel.....	148,403
12	Wire rope and fittings.....	15,112
13	Diamonds and bort for drilling.....	727
14	Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	155,807
15	Fuel:—coal, coke, charcoal and wood.....	1,292,722
16	Fuel oil, kerosene and gasoline.....	149,110
17	Lubricants:—oil, grease and waste.....	43,922
18	Lumber and timber of all kinds.....	113,022
19	Building materials:—cement, brick, tile, roofing and building paper, insulating material, building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	194,220
20	Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	210,002
21	Crushing, grinding and screening machinery and parts; ball and tube mill liners, roll shells, etc.....	34,828
22	Filter cloth, rotor covers and ore dressing blankets.....	35,887
23	Balls and rods for grinding.....	4,423
24	Machinery, mill, n.o.p. and parts.....	14,299
25	Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc....	17,300
26	Machinery, smelter, n.o.p. and parts.....	21,900
27	Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment.....	124,749
28	Motor cars, trucks and accessories.....	76,527
29	Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	159,887
30	Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	18,389
31	Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	119,335
32	Flotation reagents.....	188,461
33	Cyanide and cyanide plant chemicals.....	6,546
34	Acids and chemicals, n.o.p.....	73,639
35	Refractories:—brick, cement, fireclay, etc.....	64,929
36	Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.....	40,446
37	Hospital equipment and medical supplies.....	3,565
38	Stationery, office equipment and supplies, survey and drafting equipment and supplies.....	42,291
39	Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item.....	358,514
40	Power—electric.....	2,196,275
41	Freight (a) incoming—only amounts paid direct to Railway Company.....	1,825,529
42	(b) outgoing.....	1,745,182
43	Express (a) incoming—only amounts paid direct to Express Company.....	7,055
44	(b) outgoing.....	19,394
45	Insurance (a) Fire.....	5,862
46	(b) Sickness and accident.....	190
47	(c) Group.....	60,880
48	(d) Workmen's compensation.....	68,397
49	(e) Bullion.....	-
50	(f) Other.....	11,732
Total.....		\$ 10,424,827

TABLE 7.—EXPENDITURES BY THE SILVER-COBALT MINING AND SMELTING INDUSTRY IN CANADA, 1934

		Ontario*
		\$
1	Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	1,326
2	Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	351
3	Castings:—unfinished iron and steel.....	2,410
4	Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	400
5	Cars and locomotives and mechanical parts for same.....	1,415
6	Track materials:—rails and fittings, switches, spikes, bolts, etc.....	846
7	Explosives:—powder, fuse and detonators.....	30,741
8	Rock drills and parts.....	10,147
9	Drill and tool steels.....	4,610
10	Pipe and fittings, plumbing supplies and valves.....	6,643
11	Iron and steel bars, sheets, plates, and all structural steel.....	1,188
12	Wire rope and fittings.....	1,306
13	Diamonds and bort for drilling.....	3,673
14	Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	626
15	Fuel:—coal, coke, charcoal and wood.....	41,199
16	Fuel oil, kerosene and gasoline.....	24,767
17	Lubricants:—oil, grease and waste.....	2,947
18	Lumber and timber of all kinds.....	7,277
19	Building materials:—cement, brick, tile, roofing and building paper, insulating material building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	8,552
20	Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	7,946
21	Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.....	2,500
22	Filter cloth, rotor covers and ore dressing blankets.....	1,150
23	Balls and rods for grinding.....	3,410
24	Machinery, mill, n.o.p. and parts.....	3,958
25	Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc.....	4,834
26	Machinery, smelter, n.o.p. and parts.....	4,550
27	Machinery, miscellaneous, and parts: machine, blacksmith, carpenter shop and general surface equipment.....	3,676
28	Motor cars, trucks and accessories.....	4,241
29	Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	2,726
30	Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	1,587
31	Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	1,786
32	Flotation reagents.....	456
33	Cyanide and cyanide plant chemicals.....	3,516
34	Acids and chemicals, n.o.p.....	86,603
35	Refractories:—brick, cement, fireclay, etc.....	2,087
36	Smelter fluxes:—fluorspar, lime-stone, quartz, sand, etc.....	1,414
37	Hospital equipment and medical supplies.....	20
38	Stationery, office equipment and supplies, survey and drafting equipment and supplies.....	2,437
39	Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item.....	99,437
40	Power—electric.....	75,289
41	Freight (a) incoming—only amounts paid direct to Railway Company.....	43,402
42	(b) outgoing.....	56,945
43	Express (a) incoming—only amounts paid direct to Express Company.....	394
44	(b) outgoing.....	76
45	Insurance (a) Fire.....	14,236
46	(b) Sickness and accident.....	-
47	(c) Group.....	3,798
48	(d) Workmen's compensation.....	8,781
49	(e) Bullion.....	1,900
50	(f) Other.....	758
Total		\$ 594,337

* This industry confined to Ontario only.

TABLE 8.—EXPENDITURES BY THE COAL MINING INDUSTRY IN CANADA BY PROVINCES, 1934

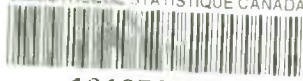
	Nova Scotia	New Brunswick	Saskatchewan	Alberta	British Columbia	Canada
	\$	\$	\$	\$	\$	\$
1 Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same	29,909	707	701	6,484	3,434	41,235
2 Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.	63,338	1,224	1,360	9,536	5,028	81,386
3 Castings—unfinished iron and steel	41,414	61	857	6,483	9,180	57,995
4 Unfinished brass castings; brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds	19,907	131	163	1,746	—	22,007
5 Cars and locomotives and mechanical parts for same	292,399	—	2,296	21,030	—	315,725
6 Track materials:—rails and fittings, switches, spikes, bolts, etc.	138,032	2,959	6,191	22,192	5,376	171,750
7 Explosives:—powder, fuse and detonators	202,286	12,633	27,033	111,276	57,219	411,047
8 Rock drills and parts	16,134	3	—	7,936	3,372	27,445
9 Drill and tool steels	6,237	25	192	1,926	782	9,162
10 Pipe and fittings, plumbing supplies and valves	219,293	999	1,328	21,361	9,696	252,677
11 Iron and steel bars, sheets, plates, and all structural steel	142,636	393	2,953	47,457	15,822	209,261
12 Wire rope and fittings	178,117	2,382	3,232	23,017	13,560	220,314
13 Diamonds and bort for drilling	—	—	—	234	—	234
14 Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals	69,923	2,331	1,254	21,234	3,361	98,103
15 Fuel:—coal, coke, charcoal and wood	—	—	—	—	—	—
16 Fuel oil, kerosene and gasoline	13,807	25	10,521	17,699	7,664	49,716
17 Lubricants:—oil, grease and waste	84,088	2,257	4,941	51,387	12,971	156,244
18 Lumber and timber of all kinds	644,569	39,882	14,352	307,302	188,556	1,194,661
19 Building materials:—cement, brick, tile, roofing and building paper, insulating material, building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eye, sand, lime, and miscellaneous	92,596	3,859	3,066	42,425	2,658	144,604
20 Electrical equipment and supplies:—motors, batteries, wire and cable, etc.	190,616	5,268	5,034	43,167	2,526	246,611
21 Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.	18,935	605	490	4,790	—	24,820
22 Filter cloth, rotor covers and ore dressing blankets	—	—	—	—	—	—
23 Balls and rods for grinding	1,533	—	—	—	—	1,533
24 Machinery, mill, n.o.p. and parts	—	375	—	3,230	—	3,605
25 Machinery, mine, n.o.p. and parts:—steel shop equipments, hoists, mine pumps, etc.	68,106	10,624	4,119	204,336	32,654	319,839
26 Machinery, smelter, n.o.p. and parts	—	—	—	—	—	—
27 Machinery, miscellaneous, and parts:—machine, blacksmith, carpenter shop and general surface equipment	51,103	10,189	5,710	110,510	169	177,681
28 Motor cars, trucks and accessories	7,990	275	10,559	13,314	12	32,150
29 Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.	20,530	1,782	2,573	13,529	2,203	40,617
30 Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.	21,561	841	1,910	5,859	15	30,186
31 Rubber goods, suits, boots, hose and accessories, pump valves, laundry linings, etc. (not including belts)	16,131	723	540	4,461	95	21,910
32 Flotation reagents	—	—	—	—	—	—
33 Cyanide and cyanidite plant chemicals	—	—	—	—	—	—
34 Acids and chemicals, n.o.p.	643	165	—	143	8,524	9,475
35 Refractories:—brick, cement, fireclay, etc.	4,222	—	42	4,796	187	9,247
36 Smelter fluxes:—fluorspar, limestone, quartz, sand, etc.	—	—	—	—	—	—
37 Hospital equipment and medical supplies	3,658	94	274	1,336	4	5,366
38 Stationery, office equipment and supplies, survey and drafting equipment and supplies	32,996	2,546	2,135	17,083	137	55,497
39 Miscellaneous materials, n.o.p. Includes all materials NOT OTHERWISE PROVIDED FOR in any other item	212,949	688	4,818	84,802	99,761	402,820
40 Power—electric	981,959	14,070	32,439	182,341	33,144	1,243,953
41 Freight (a) incoming—only amounts paid direct to Railway Company	181,621	11,107	8,135	85,351	1,734	287,948
42 (b) outgoing	118,886	28,017	5,011	268,565	1,545	422,024
43 Express (a) incoming—only amounts paid direct to Express Company	3,502	187	86	2,032	71	6,778
44 (b) outgoing	266	15	2	643	—	926
45 Insurance (a) Fire	33,352	2,992	8,409	76,344	40,785	161,882
46 (b) Sickness and accident	—	—	57	4,654	—	4,711
47 (c) Group	1,081	155	274	12,664	—	14,174
48 (d) Workmen's compensation	452,927	28,403	17,414	249,751	117,083	865,578
49 (e) Bullion	—	—	—	—	—	—
50 (f) Other	35,340	—	3,649	9,614	—	48,603
51 Underground mine cars	111,992	5,936	3,533	40,282	189	161,932
52 Coal cutting machinery and parts	159,084	16,754	1,699	78,318	12,243	268,098
53 Horses and horse-keep (including oats, hay, mixed feeds, harness, etc.)	88,150	2	12,011	70,548	11,473	182,184
54 Ground limestone for dusting	39,205	—	365	2,386	1,703	43,657
Total	5,113,681	211,684	212,328	2,316,874	705,844	8,560,411

TABLE 9.—EXPENDITURES BY THE CANADIAN ASBESTOS MINING
INDUSTRY IN CANADA, 1934

	Quebec*
	\$
Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	25,197
Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	143,499
Castings:—unfinished iron and steel.....	13,502
Cars and locomotives and mechanical parts for same.....	1,464
Track materials:—rails and fittings, switches, spikes, bolts, etc.....	4,514
Explosives:—powder, fuse and detonators.....	132,176
Rock drills and parts.....	2,490
Drill and tool steels.....	1,277
Pipe and fittings, plumbing supplies and valves.....	2,035
Iron and steel bars, sheets, plates, and all structural steel.....	41,175
Wire rope and fittings.....	5,001
Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	1,023
Fuel:—coal, coke, charcoal and wood.....	262,664
Fuel oil, kerosene and gasoline.....	6,829
Lubricants:—oil, grease and waste.....	20,258
Lumber and timber of all kinds.....	18,479
Building materials:—cement, brick, tile, roofing and building paper, insulating material building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, nails, screw hooks and eyes, sand, lime and miscellaneous.....	9,023
Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	10,889
Crushing, grinding and screening machinery and parts: ball and tube mill liners, roll shells, etc.....	29,472
Machinery, mill, n.o.p., and parts.....	15,273
Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc.....	3,104
Machinery, miscellaneous, and parts:—machine, blacksmith, carpenter shop and general surface equipment.....	5,217
Motor cars, trucks and accessories.....	1,553
Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	14,226
Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	3,046
Rubber goods, suits, hoods, hose and accessories, pump valves, launder linings, etc. (not including belts).....	124
Refractories:—brick, cement, fireclay, etc.....	105
Hospital equipment and medical supplies.....	275
Stationery, office equipment and supplies, survey and drafting equipment and supplies.....	17,819
Miscellaneous materials, n.o.p. Includes all materials not otherwise provided for in any other item.....	391,960
Power—electric.....	660,309
Freight (a) incoming—only amounts paid direct to Railway Company.....	44,133
(b) outgoing.....	24,228
Express (a) incoming—only amounts paid direct to Express Company.....	777
(b) outgoing.....	48
Insurance (a) Fire.....	54,745
(c) Group.....	25,384
(d) Workmen's compensation.....	28,513
(f) Other.....	2,458
Total	2,024,264

* Asbestos mining confined entirely to province of Quebec.

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