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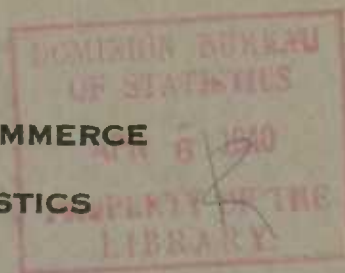
CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

MINING, METALLURGICAL & CHEMICAL BRANCH



THE
SHEET METAL PRODUCTS INDUSTRY
IN
CANADA
1938



OTTAWA
1940

Price 10 cents

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

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ANNUAL INDUSTRY REPORT

IRON AND STEEL AND THEIR PRODUCTS GROUP

THE SHEET METAL PRODUCTS INDUSTRY, 1938.

In 1938 there were 169 concerns in Canada which were occupied chiefly in the manufacture of articles from sheet iron or steel, tinplate, Canada plate or terne plate. Their main products were tin cans, galvanized sheets, tinplate, metal bottle caps, sheet metal building materials, steel office furniture, enamelled kitchenware, culverts, galvanized ware, steel barrels and drums, eavetrough, and stove pipe. The numerous sheet metal shops which do contract and repair work and do not manufacture a regular line of goods for sale have not been included in this industry but are covered in the annual census of construction.

Production by plants in this group was valued at \$46,266,684 at factory prices during 1938 compared with \$49,132,766 in 1937 and \$39,994,151 in 1936.

Eighty-four of the factories were in Ontario, 33 in Quebec, 21 in British Columbia, 10 in Manitoba, 9 in Alberta, 6 in Saskatchewan, 4 in New Brunswick, 1 in Nova Scotia and 1 in Prince Edward Island. Works in Ontario made goods worth \$27,510,158, or 59 per cent of the total for Canada and Quebec plants fabricated products valued at \$11,673,188, or 25 per cent of the total for the Dominion.

Capital employed in 1938 amounted to \$51,717,455, of which \$25,987,623 was the value placed on lands, buildings and equipment, \$13,403,696 was the inventory value of materials and finished products, and \$12,326,136 the total of cash, bills and accounts receivable, etc. The works in Ontario accounted for 55 per cent and those in Quebec for 26 per cent of the total investment.

The average number of employees was 8,262 in 1938 and their earnings amounted to \$9,455,645 compared with 8,499 workers and \$9,518,325 for salaries and wages in 1937.

Imports of stamped and coated products in 1938 were valued at \$1,529,835 of which \$1,301,875 came from the United States and \$165,621 from the United Kingdom.

Exports of enamelware and tinware were appraised at \$50,764, most of which went to Newfoundland and New Zealand.

Table 1 - PRINCIPAL STATISTICS OF THE SHEET METAL PRODUCTS INDUSTRY, 1929 - 1938.

Years	No. of plants	Capital employed	Average number of employees	Salaries and Wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1929	152	49,080,661	9,286	11,228,170	542,324	28,076,595	53,151,698
1930	155	53,368,130	8,728	10,452,837	521,793	25,090,342	47,067,479
1931	157	52,352,956	7,988	9,265,806	528,642	20,230,852	39,039,005
1932	157	51,671,470	6,372	6,756,826	477,465	14,831,672	27,886,299
1933	172	53,851,889	6,000	6,033,783	453,753	13,828,178	25,963,828
1934	126	45,889,032	6,118	6,264,010	488,814	17,431,261	30,910,965
1935	129	47,369,004	6,580	6,802,698	522,424	18,971,146	33,564,302
1936	138	50,323,623	7,482	7,942,190	580,505	22,617,288	39,994,151
1937	148	56,527,585	8,499	9,518,325	645,412	28,338,113	49,132,766
<u>1938 -</u>							
Tincans chiefly	14	23,378,826	2,191	2,631,712	166,263	13,272,350	19,714,616
Other sheetmetal products	155	27,838,629	6,071	6,823,933	472,639	12,613,215	26,552,068
Total	169	51,717,455	8,262	9,455,645	638,902	25,890,565	46,266,684

NOTE: Profits or losses cannot be calculated from the above figures as data are not available for general expense items such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1937 and 1938.

Provinces	No. of plants	Capital employed	Average number of employees	Salaries and Wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
<u>1937</u>							
Prince Edward Island	1)						
Nova Scotia ..	1)	204,980	51	37,750	3,859	173,091	244,160
New Brunswick .	3)						
Quebec	31	14,719,601	2,337	2,495,576	150,378	7,141,915	12,568,732
Ontario	79	32,305,388	5,102	5,819,379	419,207	16,653,759	29,381,216
Manitoba	8	1,630,960	294	292,867	18,978	536,809	1,025,880
Saskatchewan ..	5	511,843	84	93,097	5,001	133,776	225,817
Alberta	7	420,529	86	87,381	2,397	161,103	289,935
British Columbia	13	6,734,284	545	692,275	45,092	3,537,660	5,397,026
CANADA ...	148	56,527,585	8,499	9,518,325	645,412	28,338,113	49,132,766
<u>1938</u>							
Prince Edward Island	1)						
Nova Scotia ..	1)	203,718	56	43,576	2,970	180,435	259,791
New Brunswick .	4)						
Quebec	33	13,270,581	2,290	2,547,276	152,629	6,625,583	11,673,188
Ontario	84	28,433,949	4,888	5,698,641	412,338	14,940,889	27,510,158
Manitoba	10	1,808,284	350	360,826	22,550	582,286	1,241,286
Saskatchewan .	6	280,943	36	34,994	1,253	22,074	67,524
Alberta	9	418,183	115	108,130	3,022	162,558	333,018
British Columbia	21	7,301,797	527	662,202	44,140	3,376,740	5,191,719
CANADA ...	169	51,717,455	8,262	9,455,645	638,902	25,890,565	46,266,684

Table 3 - CAPITAL EMPLOYED, BY PROVINCES, 1937 and 1938.

Provinces	Present value of lands, buildings, fixtures, machinery, etc.	Inventory value of materials and finished products on hand, and stocks in process	Operating capital (cash, bills and accounts receiv- able, prepaid expenses, etc.	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1937</u>				
Quebec	8,197,487	4,332,175	2,189,939	14,719,601
Ontario	15,609,812	8,737,462	7,958,114	32,305,388
Manitoba	870,190	634,239	126,531	1,630,960
Saskatchewan	219,361	119,773	172,709	511,843
Alberta	202,722	141,958	75,849	420,529
British Columbia ..	2,778,356	1,626,403	2,329,525	6,734,284
Other provinces ..	80,884	91,571	32,525	204,980
CANADA	27,958,812	15,683,581	12,885,192	56,527,585
<u>1938</u>				
Quebec	7,069,929	3,369,109	2,831,543	13,270,581
Ontario	14,546,006	6,898,542	6,989,401	28,433,949
Manitoba	1,144,333	526,966	136,985	1,808,284
Saskatchewan	108,874	43,239	128,830	280,943
Alberta	223,189	97,637	92,357	418,183
British Columbia ..	2,815,570	2,372,782	2,115,445	7,301,797
Other provinces ..	76,722	95,421	31,575	203,718
CANADA	25,987,623	13,403,696	12,326,136	51,717,455

Table 4 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1938.

	Number of plants	Capital employed	Number of employees	Gross selling value of products at works
		\$		\$
<u>(a) PRODUCTION</u>				
Under \$5,000	24	116,458	50	67,422
\$5,000 to \$10,000	23	205,627	93	179,207
\$10,001 to \$25,000	33	841,732	242	536,554
\$25,001 to \$50,000	15	573,427	181	528,096
\$50,001 to \$100,000	12	1,150,701	345	874,845
\$100,001 to \$250,000	25	3,678,401	936	4,040,147
\$250,001 to \$500,000	15	5,926,308	1,386	5,521,525
\$500,001 to \$1,000,000 ...	10	7,189,918	1,270	7,720,197
Over \$1,000,000	12	32,034,883	3,759	26,798,691
TOTAL	169	51,717,455	8,262	46,266,684
<u>(b) EMPLOYEES</u>				
1 or 2	23	117,234	35	106,147
3 to 10	57	899,840	313	835,377
11 to 20	24	1,488,805	360	1,559,225
21 to 50	25	3,949,764	774	4,725,959
51 to 100	15	6,341,487	1,024	6,243,022
101 to 250	18	17,489,980	2,624	16,052,126
Over 250	7	21,430,345	3,132	16,744,828
TOTAL	169	51,717,455	8,262	46,266,684

Table 4 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1938 - (Concluded)

	Number of plants	Capital employed \$	Number of employees	Gross selling value of products at works \$
(c) CAPITAL				
Under \$25,000	75	727,714	337	913,584
\$25,000 to \$100,000	36	2,074,769	683	2,148,709
\$100,001 to \$500,000	33	6,614,214	1,851	8,923,059
\$500,001 to \$1,000,000 ...	12	8,445,308	1,276	8,378,945
Over \$1,000,000	13	33,855,450	4,115	25,902,387
TOTAL	169	51,717,455	8,262	46,266,684

Table 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1937 and 1938.

Provinces	Average number of employees					Salaries	Wages	TOTAL SALARIES AND WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
1937								
Quebec	319	82	1,676	260	2,337	676,929	1,818,647	2,495,576
Ontario	769	216	3,585	532	5,102	1,723,620	4,095,759	5,819,379
Manitoba	44	18	229	3	294	94,966	197,901	292,867
Saskatchewan ...	22	8	52	2	84	46,923	46,174	93,097
Alberta	20	5	61	...	86	32,009	55,372	87,381
British Columbia .	58	19	434	34	545	110,755	581,520	692,275
Other provinces ..	3	...	35	13	51	3,000	34,750	37,750
CANADA	1,235	348	6,072	844	8,499	2,688,202	6,830,123	9,518,325
1938								
Quebec	341	85	1,593	271	2,290	750,066	1,797,210	2,547,276
Ontario	748	225	3,437	478	4,888	1,782,630	3,916,011	5,698,641
Manitoba	56	22	270	2	350	116,378	244,448	360,826
Saskatchewan	11	2	23	...	36	17,544	17,450	34,994
Alberta	26	6	83	...	115	38,123	70,007	108,130
British Columbia .	60	15	416	36	527	127,956	534,246	662,202
Other provinces .	5	1	37	13	56	5,800	37,776	43,576
CANADA	1,247	356	5,859	800	8,262	2,838,497	6,617,148	9,455,645

Table 6 - WAGE-EARNERS, BY MONTHS, 1937 and 1938. (On the last work-day of each month)

Months	1937			1938		
	Male	Female	Total	Male	Female	Total
January	5,306	760	6,066	5,541	763	6,304
February	5,498	794	6,292	5,538	773	6,311
March	5,707	822	6,529	5,738	769	6,507
April	5,912	857	6,769	5,790	776	6,566
May	6,167	867	7,034	5,827	780	6,607
June	6,351	894	7,245	5,804	816	6,620
July	6,657	939	7,596	6,139	855	6,994
August	6,753	927	7,680	6,268	883	7,151
September	6,547	886	7,433	6,217	851	7,068
October	6,138	849	6,987	5,960	829	6,789
November	5,948	804	6,752	5,760	782	6,542
December	5,780	773	6,553	5,492	725	6,217
AVERAGE	6,072	844	6,916	5,859	800	6,659

Table 7 - REGULAR HOURS WORKED PER WEEK, 1938.

Regular hours worked per week	Percent of wage-earners	Regular hours worked per week	Percent of wage-earners
30 hours or less	4.6	51 - 54 hours	3.0
31 - 43 hours	8.0	55 hours	1.8
44 hours	29.7	56 - 64 hours	4.1
45 - 47 hours	13.3	65 hours and over	0.7
48 hours	24.1		
49 - 50 hours	10.7		

Table 8 - FUEL AND ELECTRICITY USED, 1937 and 1938.

Kinds	Unit of Measure	1 9 3 7		1 9 3 8	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian ..	short ton	3,970	27,104	3,610	24,307
Imported ..	short ton	20,210	123,143	19,073	120,669
Anthracite coal	short ton	1,169	9,098	546	4,498
Lignite coal	short ton	3	27	28	181
Coke	short ton	1,092	12,190	797	7,462
Gasoline	Imp. gal.	13,890	3,106	57,816	13,075
Kerosene	Imp. gal.	6,345	1,050	4,029	656
Fuel oil	Imp. gal.	1,171,868	79,041	1,156,481	75,598
Wood	cords	182	1,202	244	1,408
Gas - Manufactured	M cu. ft.	131,990	87,793	117,052	80,867
Natural	M cu. ft.	54,497	28,990	54,050	26,774
Other fuel	xxx	...	7,605	...	8,533
Electricity purchased	Kw. H.	20,735,633	265,063	20,139,182	274,874
TOTAL	xxx	...	645,412	...	638,902

Table 9 - POWER EQUIPMENT, 1937 and 1938.

	1 9 3 7		1 9 3 8	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	11	1,845	11	2,345
Gasoline, gas and oil engines	5	17	5	16
Hydraulic turbines or water wheels ..	4	306	4	479
Total Primary	20	2,168	20	2,840
Electric motors run by purchased power	4,722	17,381	4,214	16,467
TOTAL	4,742	19,549	4,234	19,307
Electric motors run by above primary units	124	1,375	98	977
Stationary boilers	69	4,661	50	4,808

Table 10 - POWER EQUIPMENT, 1938, SHOWING "ORDINARILY IN USE" SEPARATELY FROM "IN RESERVE OR IDLE".

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	7	1,900	4	445
Gasoline, gas and oil engines	2	10	3	6
Hydraulic turbines or water wheels.	3	306	1	173
Total Primary	12	2,216	8	624
Electric motors run by purchased power	4,062	15,666	152	801
TOTAL	4,074	17,882	160	1,425
Electric motors run by above primary units	98	977	...	...
Stationary boilers	46	4,631	4	177

Table 11 - MATERIALS USED, 1937 and 1938.

Materials	Unit of Measure	1937		1938	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
<u>Iron and steel -</u>					
Iron castings	short ton	444	53,817	421	56,884
Steel castings	short ton	363	53,110	355	42,695
Bars	short ton	3,902	263,872	3,769	255,936
Sheets, black, for tinning .	short ton		(x)	1,780	75,120
Sheets, black, for galvanizing	short ton	27,089	1,741,564	23,892	1,682,030
Sheets, black for other purposes	short ton	32,877	2,481,751	22,465	1,774,749
Sheets, galvanized	short ton	33,217	2,770,998	28,678	2,526,858
Sheets, enamelled	short ton	5,226	449,410	4,107	370,359
Strip	short ton		(x)	800	56,068
Structural shapes	short ton	3,539	251,998	1,862	124,088
Wire	short ton	2,882	222,749	2,381	176,849
Canada plates	short ton	3,294	270,256	2,671	231,578
Tin plate	base boxes	2,523,441	13,666,692	2,228,811	13,260,538
Terne plate	short ton	1,070	70,579	954	95,676
Plates, all other	short ton	6,970	426,459	1,061	70,591
Stampings	xxx	...	(x)	...	27,613
Pipe, tubes and fittings ..	xxx	...	38,770	...	68,557
<u>Alloy steel -</u>					
Carbon and alloy tool steel	xxx	...	(x)	...	39,105
Stainless - sheets	xxx	...	(x)	...	80,620
other	xxx	...	(x)	...	7,963
Other iron and steel	xxx	...	505,875	...	241,494

Table 11 - MATERIALS USED, 1937 and 1938. - (Concluded)

Materials	Unit of Measure	1937		1938	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
<u>Non-Ferrous Metals -</u>					
Aluminium	Pound	537,528.	193,594	537,070	126,274
Brass and bronze	Pound	278,916	67,990	173,419	52,990
Copper bars, sheets, etc..	Pound	952,098	238,128	607,143	156,347
Lead	Pound	167,495	9,239	108,644	5,129
Tin	Pound	581,400	318,901	283,515	131,265
Zinc	Pound	11,598,336	619,354	10,156,597	474,809
Solders	Pound	1,766,009	361,020	880,257	189,501
Other metals	xxx	...	30,180	...	47,113
<u>Other Materials -</u>					
Lumber	Mft.b.m.	6,657	198,478	5,313	172,433
Bolts, buts, rivets, screws and nails	xxx	...	114,300	...	112,080
Frit for enamelling	xxx	...	54,102	...	96,304
Muriatic acid	Pound	487,162	13,698	398,630	11,534
Paints, oils and varnishes	xxx	...	488,610	...	508,100
Cork discs	xxx	...	279,817	...	333,339
Ammonium chloride	Pound	374,713	13,419	303,318	10,958
Sulphuric acid (66° Be) ..	Pound	4,718,869	49,185	3,098,996	34,803
Containers and packing materials	xxx	...	468,111	...	475,136
All other materials	xxx	...	1,552,087	...	1,687,079
TOTAL	xxx	...	28,338,113	...	25,890,565

(x) Not separately stated for 1937.

Table 12 - PRODUCTS MANUFACTURED, 1937 and 1938.

Note - Data in this table are for the Sheet Metal Products Industry which includes only the concerns that make sheet metal goods as their major products (See Directory). The figures for the individual items do not necessarily represent the total Canadian output of these articles as they may have been produced also as minor products of concerns which have been classified to other industrial groups. For the total Canadian production of the more important items, see Tables 13 to 23.

	Selling value at works	
	1937	1938
	\$	\$
Barrels and drums	441,580	329,039
Bottle caps and seals	2,436,384	2,569,504
Cans, tin - packers' sanitary tin cans	13,638,746	12,848,521
paint cans and containers	456,857	559,226
other tin cans	6,628,484	6,753,886
Cans, cream and milk .....	...	16,371
Cans, garbage	19,247	20,928
Copper and nickel-plated ware	312,494	244,614
Corrugated iron sheets	1,007,749	1,042,447
Corrugated iron products, n.e.s.	505,274	503,959
Culvert, pipe, sheet metal	999,203	726,013

Table 12 -- PRODUCTS MANUFACTURED, 1937 and 1938. -- (Concluded)

	Selling value at works	
	1 9 3 7	1 9 3 8
	\$	\$
Dairy supplies, n.e.s.	651,853	571,008
Doors, metal clad	337,582	261,674
Eavetrough and pipe	206,141	359,753
Furnace casings	3,945	6,695
Furnaces, warm air	33,282	35,338
Galvanized sheets	2,669,150	2,247,045
Galvanized ware, n.e.s.	1,034,484	834,561
Hollow-ware, iron and steel, not enamelled	107,448	92,201
Kitchen equipment for hotels and institutions	276,134	283,752
Kitchenware, aluminium, household	198,900	162,669
Kitchenware, vitreous enamelled, household	1,231,068	1,121,877
Range boilers - galvanized	254,000	288,293
other	62,218	52,799
Refrigerators, metal(ice boxes)	225,800	220,100
Sanitaryware, (sheet metal baths, sinks, etc.)	6,657	14,157
Signs, metal	510,783	580,472
Sheet iron ware, n.e.s.	178,829	173,496
Building material - metal lath	473,998	499,600
steel sash	630,538	651,706
Metal ceilings and siding	72,320	62,812
Other sheet metal building material	825,070	825,163
Stampings, n.e.s.	700,974	625,186
Steel office furniture and equipment	1,233,440	1,205,866
Stoves, airtight heaters	77,112	52,004
Stoves, sheet iron, other	39,355	7,686
Stove and furnace pipe and elbows	544,283	485,908
Scrap sold	81,162	72,424
Tanks, steel storage - black	272,186	360,924
galvanized	160,306	164,611
steel, septic	7,011	5,873
steel, pneumatic	3,336	7,643
Other pressure tanks	2,723	2,499
Tinware, japanned or not	785,088	706,276
Received for custom and repair work	707,933	290,074
All other products (x)	8,081,369	7,319,231
TOTAL	49,132,766	46,266,684

(x) Includes data for products made by less than 3 firms in this industry such as paper cans, truck tanks, zinc fruit jar rings, corset steel wires, curtain rods, gasoline pumps, tinned plate, steel reinforcing, etc.

Table 13 --TOTAL PRODUCTION OF TIN CANS, 1934 - 1938. (From all industries)

Year	Packers' sanitary tin cans	Paint cans and containers	Other tin cans	Total Tin cans
	\$	\$	\$	\$
1934	8,515,910	587,290	5,602,499	14,705,699
1935	8,837,491	350,618	5,853,051	15,091,160
1936	11,452,919	431,947	6,109,603	17,994,469
1937	13,638,746	456,857	6,628,484	20,724,087
1938	12,848,521	559,226	6,753,886	20,161,633

Table 14 - TOTAL PRODUCTION OF STEEL BARRELS AND DRUMS (x), 1929 - 1938.
(From all industries)

Years	Selling value at works	Years	Selling value at works
	\$		\$
1929	1,562,134	1934	400,133
1930	1,080,345	1935	400,535
1931	564,518	1936	569,651
1932	274,078	1937	580,471
1933	420,845	1938	448,086

(x) Not including drums made by some companies for their own use only.

Table 15 - TOTAL PRODUCTION OF DOMESTIC RANGE BOILERS (x), 1929 - 1938.
(From all Industries)

Years	Number	Selling value at works	Years	Number	Selling value at works
		\$			\$
1929 ....	...	508,301	1937 --		
1930 ....	...	502,695	Galvanized	69,507	535,452
1931 ....	...	416,276	Copper, Everdur and Monel.	2,550	73,653
1932 ....	...	273,925	Total	72,057	609,105
1933 ....	...	371,843	1938 --		
1934	67,161	440,102	Galvanized	70,022	512,992
1935	63,457	466,519	Copper, Everdur and Monel.	2,218	66,510
1936	69,979	506,754	Total	72,240	579,502

(x) Only galvanized included prior to 1937.

Table 16 - TOTAL PRODUCTION OF METAL LATH AND STEEL SASH, 1929 - 1938.
(From all industries)

Years	Selling value at works		Years	Selling value at works	
	Metal lath	Steel sash		Metal lath	Steel sash
	\$	\$		\$	\$
1929	1,034,921	1,442,515	1934	204,334	269,763
1930	885,965	919,866	1935	261,839	289,289
1931	597,426	484,674	1936	360,548	414,148
1932	328,481	375,299	1937	473,998	645,038
1933	169,540	138,768	1938	499,600	651,706

Table 17 - TOTAL PRODUCTION OF METAL BOTTLE CAPS (x), 1929 - 1938.
(From all industries)

Years	Selling value at works	Years	Selling value at works
	\$		\$
1929	1,561,066	1934	1,561,677
1930	1,494,703	1935	1,754,679
1931	1,376,211	1936	2,032,798
1932	1,327,170	1937	2,436,384
1933	1,329,184	1938	2,787,448

(x) Includes some moulded caps.

Table 18 - TOTAL PRODUCTION OF SHEET METAL CULVERT PIPE, 1929 - 1938.
(From all industries)

Years	Selling value at works	Years	Selling value at works
	\$		\$
1929	1,088,654	1934	732,414
1930	1,207,995	1935	863,631
1931	1,484,419	1936	859,119
1932	493,189	1937	1,123,167
1933	281,662	1938	845,907

Table 19 - TOTAL PRODUCTION OF STEEL OFFICE FURNITURE, 1931 - 1938.
(From all industries)

Years	Selling value at works	Years	Selling value at works
	\$		\$
1931	1,753,179	1935	776,800
1932	1,090,248	1936	995,469
1933	621,361	1937	1,308,440
1934	485,631	1938	1,212,108

Table 20 - TOTAL PRODUCTION OF EAVETROUGH AND STOVE AND FURNACE PIPE, 1931 - 1938.
(From all industries)

Years	Selling value at works		Years	Selling value at works	
	Eavetrough	Stove and furnace pipe		Eavetrough	Stove and furnace pipe
	\$	\$		\$	\$
1931	366,541	411,694	1935	225,073	506,455
1932	349,813	439,437	1936	241,981	553,584
1933	175,273	427,463	1937	206,141	544,283
1934	195,982	482,108	1938	359,753	491,207

Table 21 - TOTAL PRODUCTION OF HOUSEHOLD ICE REFRIGERATORS, 1936 - 1938.
(From all industries)

				Number	Selling value at works
					\$
1936 - Ice refrigerators -	wood	.....		2,470	54,091
	metal	.....		14,964	240,521
	TOTAL	.....		17,434	294,612
1937 - Ice refrigerators -	wood	.....		4,107	75,301
	metal	.....		24,644	444,508
	TOTAL	.....		28,751	519,809
1938 - Ice refrigerators -	wood	.....		4,648	90,768
	metal	.....		21,194	438,513
	TOTAL	.....		25,842	529,281

Table 22 - TOTAL PRODUCTION OF ENAMELLED AND ALUMINIUM KITCHENWARE, 1929 - 1938.
(From all industries)

Years	Selling value at works		Years	Selling value at works	
	Vitreous enamelled	Aluminium		Vitreous enamelled	Aluminium
	\$	\$		\$	\$
1929	1,239,485	1,303,010	1934	1,040,086	1,173,877
1930	751,656	1,671,984	1935	1,111,475	1,328,527
1931	996,070	1,303,108	1936	1,121,819	1,327,141
1932	734,667	1,042,438	1937	1,231,068	1,534,199
1933	756,718	969,948	1938	1,121,877	1,529,280

Table 23 - TOTAL PRODUCTION OF GALVANIZED SHEETS, 1929 - 1938. (From all industries)

Years	Tonnage made		Tonnage sold	Selling value at works
	short tons	short tons		\$
1929	63,813	62,810		5,706,561
1930	52,878	51,020		4,180,415
1931	41,720	42,599		3,255,654
1932	27,728	27,786		2,016,848
1933	32,859	32,709		2,327,119
1934	39,403	39,011		2,832,089
1935	44,390	44,837		3,251,588
1936	51,038	51,694		3,807,670
1937	62,878	62,420		5,418,631
1938	49,006	49,296		4,251,525

Table 24 - IMPORTS INTO CANADA and EXPORTS OF STAMPED AND COATED PRODUCTS,
1937 and 1938

Items	1937	1938
	\$	\$
<u>IMPORTS -</u>		
Baths, bathtubs, basins, closets, lavatories, urinals, sinks and laundry tubs of iron or steel, coated or not	131,423	132,234
Containers, manufactured from tinplate when imported by manufacturers of food products for use exclusively in the hermetical sealing of food products in their own factories.	279,925	282,200
Containers manufactured from tinplate, not otherwise provided for	408,699	346,671
Hollow-ware of iron or steel, coated with vitreous enamel ..	235,484	176,435
Hollow-ware of iron or steel, coated or not, not otherwise provided for	54,346	48,144
Kitchen and dairy hollow-ware of iron or steel, coated with tin, including cans for shipping milk or cream, not painted japanned or decorated	67,630	38,313
Manufactures of tinplate, painted, japanned, decorated or not, and manufactures of tin, not otherwise provided for	554,960	505,838
TOTAL - IMPORTS LISTED ABOVE	1,732,467	1,529,835
<u>EXPORTS -</u>		
Enamelware of iron or steel	35,109	37,283
Tinware	29,102	13,481
TOTAL - EXPORTS LISTED ABOVE	64,211	50,764

DIRECTORY OF FIRMS IN THE SHEET METAL PRODUCTS INDUSTRY, 1938.

NOTE - All manufacturing concerns which made metal products of iron and steel as their CHIEF PRODUCTS are classified to the Sheet Metal Products Industry. This directory is a list of the concerns included in this group in 1938 but it does not necessarily include the names of all makers of sheet metal goods in Canada as some firms in other industries may have produced such goods as secondary or minor products.

Names of Firms

Location of Plants

PRINCE EDWARD ISLAND -

Charlottetown Can Company Limited

Escher Street, Charlottetown

NOVA SCOTIA -

Smith, Watson & Sons

Shubenacadie

NEW BRUNSWICK -

Emerson & Fisher, Limited

23 Germain Street, Saint John

Magee, Fred, Limited

Port Elgin

McDade, James

51 Mill Street, Saint John

Wilson, J. E., Limited

17 Sydney Street, Saint John

QUEBEC -

Accessories Manufacturers Limited

641 St. James St. W., Montreal

American Can Company

2065 Jeanne D'Arc Street, Montreal

Beath, W. D., & Son Limited

6259 Notre Dame St. E., Montreal

Baldwins, Montreal, Limited

127 King Street, Montreal

Burns, John & Company

908 Bleury St. W., Montreal

Button, A. M., Crown Co.

4550 Berri Street, Montreal

Canada Ingot Iron Company Limited

Lennoxville

Canadian Bond Crown Company Limited

925 Panet St., Montreal

Canadian Crown Cork Company Limited

739 Mountain St., Montreal

Canadian Kitchen & Sheet Metal Works

4128 St. Lawrence Blvd., Montreal

Continental Can Co. of Canada, Limited

2600 Mullins Street, Montreal and

2 Ouimet Street, St. Laurent

Dominion Corset Company Limited

45 Dorchester St., Quebec

Eastern Steel Products Limited

1335 Delorimier Ave., Montreal

General Metal Works Limited

394 Dorchester St. W., Montreal

General Steel Wares, Limited

2355 Delisle Street, Montreal

Grimm Manufacturing Company Limited

736 Wellington St., Montreal

Guardian Manufacturing Company Limited

121 Fifth Ave., Ville St. Pierre

Independent Can Company Limited

2126 De la Salle St., Montreal

Industrial Stampings Reg'd.

184 King St. W., Sherbrooke

Kennoway Sheet Metal Manufacturing Co. Ltd.

84 Broadway, Lachine

Labell Kitchen Equipment Company

386 Beaumont Avenue, Montreal

Liquid Carbonic Canadian Corporation Ltd.

2120 Cabot Street, Montreal

Lunn, G. J., & Co.

618 Chatham Street, Montreal

MacDonald, E. S.

772 Aqueduct Street, Montreal

Montreal Roofing Company

1605 Delorimier Ave., Montreal

Nu Way Products

5812 St. Lawrence Blvd., Montreal

Prowse, Geo. R., Range Co. Limited

2025 University Street, Montreal

Quebec Culvert Corporation Limited

Laframboise Street, St. Hyacinthe

DIRECTORY OF FIRMS IN THE SHEET METAL PRODUCTS INDUSTRY, 1938. (continued)

Names of Firms

Location of Plants

QUEBEC - (concluded)

Reed, Geo. W., & Co. Limited	4107 Richelieu Street, Montreal
Reliable Sheet Metal Works	3906 St. Lawrence Blvd., Montreal
Small Brothers	Durham
Tole Guafree "Ideale" Enrg.	Laframboise Street, St. Hyacinthe
Vilas Enamel Products Limited	Cowansville

ONTARIO

Acton Tool & Stamping Company Limited	672 Dupont Street, Toronto
American Can Company	Emerald and Shaw Streets, Hamilton
American Can Company	Robinson and Metcalfe Sts., Simcoe
Anchor Cap and Closure Corp. of Canada, Ltd.	275 Wallave Avenue, Toronto
Applebaum, Benjamin	302 Murray Street, Ottawa
Beath, W. D., & Son, Limited	394 Symington Avenue, Toronto 9
Bishop, Sons & Company	61 Duke Street, Toronto
Bluman, Charles	Main & Wellington Sts., Woodstock
Brookes, A. L., & Company	296 Greenwood Avenue, Toronto
Brown, Frank S.	310 Spadina Avenue, Toronto
Bucket Shop	78 Cumberland St. W., Port Arthur
Burrowes Manufacturing Company	400 Richmond St. W., Toronto
Byers Limited	246 Adelaide Street W., Toronto
Canada Culvert Company Limited	389 Hale Street, London
Canada Ingot Iron Company Limited	35 George Street, Guelph
Canadian Can Manufacturers Limited	365 Thames Street, London
Canadian Calendar Metal & Specialty Co.	225 Richmond St. W., Toronto
Canadian Colortype Limited	290 York Street, Hamilton
Canadian Metal Window & Steel Products Co.	160 River Street, Toronto
Canadian Name Plate & Manufacturing Co. Ltd.	143 Liberty Street, Toronto
Canadian Tinsplate Company Limited	Sarnia
Casewin Company Limited	48 Abell Street, Toronto
Chatham Malleable & Steel Mfg. Co. Ltd.	148 Inches Av., Chatham
Collins Never-Fail Products Limited	1340 Burlington St. W., Hamilton
Continental Can Co. of Canada Ltd.	3rd & Birmingham Streets, New Toronto
Corrugated Sheet Metal Company	Hurdman's Bridge, Ottawa
Corrugated Pipe Company	Stratford
Crown Cork & Seal Company Limited	320 Carlaw Avenue, Toronto
Dennisteel Corporation Limited	22 Dundas Street, London
Dominion Alloy Steel Corporation, Limited	River Road, Sarnia
Dominion Metal Ban Company	4350 Dundas Street W., Lambton Mills
Dundas Sheet Metal Work Company	202 Dundas Street W., Toronto
Duro Metalwares, Limited	281 Birch Avenue, Hamilton
Eastern Steel Products Limited	308 Guelph Street, Preston
Eberhard & Walker, Limited	649 Colborne Street, London
Galt Art Metal Company Limited	385 Dundas Street, Galt
General Steel Wares Limited(McClary Mfg. Co.)	333 Wellington Street, London
General Steel Wares Limited	199 River Street, Toronto
General Steel Wares Limited(McDonald Branch)	401 Richmond Street W., Toronto
Gordon Steel Works Limited	1 James Street, Tweed
Guide Motor Manufacturing Company	105 Sherbourne Street, Toronto
Hospital & Kitchen Equipment Co. Ltd.	67 Portland Street, Toronto

DIRECTORY OF FIRMS IN THE SHEET METAL PRODUCTS INDUSTRY, 1938. -(Continued)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>ONTARIO - (concluded)</u>	
Ideal Roofing Company	Hurdman Road, Ottawa
Irwin, Thos. & Son, Limited	22 McNab Street S., Hamilton
Key, W. R., & Company	48 George Street, Toronto
Kirsch Manufacturing Co. of Canada, Ltd.	Buller Street, Woodstock
L. K. Metal Products Company	1640 Cataraqui Street, Walkerville
London Can Company Limited	369 Thames Street, London
Lysaght Dominion Sheet Metal Corp. Ltd.	1322 Burlington St. E., Hamilton
Mackenzie, Milne & Company Ltd.	143 Christina St. N., Sarnia
Master Metal Products Limited	41 Lewis St., Fort Erie North
McCowan, David A.	79 Main Street, Toronto
McGlade, Chas. E.	8 Beckwith Street S., Smith's Falls
Metallic Roofing Company of Canada Limited	1194 King St. W., and 28 Atlantic Ave., Toronto
Modern Kitchen Equipment Company	467 Wellington Street W., Toronto
Mundet Cork & Insulation Limited	35 Booth Avenue, Toronto
Munro Metal Products	426 Cannon St. E., Hamilton
Newell Manufacturing Company	King Street, Prescott
Office Specialty Manufacturing Co. Ltd.	31 Timothy Street, Newmarket
Ontario Metal Specialties	Bronte
Ormsby, A. B., & Co. Ltd.	172 Van Horne Street, Toronto
Pedlar People Limited	Simcoe Street S., Oshawa
Plate & Structural Steel Products Company	48 Abell Street, Toronto
Portable Hygiene Septic Tanks, Limited	Stevensville
Reliable Sheet Metal Manufacturing Company	53 Ossington Ave., Toronto
Remington Road International Limited	668 Bender Avenue, Niagara Falls
Robertson, H. H., Co. Ltd.	309 Front St. N., Sarnia
Roofers Supply Company Limited	840 Dupont Street, Toronto
Ross, P. F., and Company	90 Chestnut Street, Toronto
St. Lawrence Steel & Wire Co. Ltd.	Mill Street, Gananoque
St. Thomas Metal Signs, Limited	142 Talbot Street, St. Thomas
Scott Manufacturing Company	125 Lansdowne Avenue, Toronto
Stamped & Enamelled Ware Limited	Guelph Street, Hespeler
Steel Cabinet Manufacturing Company	60 John Street, Toronto
Steel Equipment Co. Ltd.	Steel Street, Pembroke
Steel Kitchen Equipment Company	60 John Street, Toronto
Superior Products Limited	239 Christina Street S., Sarnia
Swan, Piper and Company	428 Cannon Street E., Hamilton
Thorn, W. J., Company	1 Riverview Avenue, London
Truscon Steel Company of Canada, Limited	Walker Road, Windsor
Tubing & Moulding Company Limited	8 Bartlett Avenue, Toronto 4.
Universal Metal Products Company	1898 Assumption Street, Walkerville
Webber, S. E., & Son	653 Queen Street E., Toronto
Wheeler & Bain Limited	108 George Street, Toronto
Whitehead Metal Products of Canada Ltd.	Port Colborne
Wilkins Manufacturing Company	Haymarket Street, Hamilton
Willson & Warden Limited	58 Duchess Street, Toronto
Wrought Iron Range of Canada, Limited	149 King Street, W., Toronto
Wright & Company	20 Jarvis Street, Hamilton

DIRECTORY OF FIRMS IN THE SHEET METAL PRODUCTS INDUSTRY, 1938. (Concluded)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>MANITOBA -</u>	
Argue's Sheet Metal Works	604 $\frac{1}{2}$ Ellis Avenue, Winnipeg
Buffalo Sheet Metal Works Ltd.	251 Princess Street, Winnipeg
Canada Ingot Iron Company Limited	37 Higgins Avenue, Winnipeg
Canadian Corrugating & Stamping Company	515 Archibald Street, St. Boniface
General Steel Wares Limited	111 Lombard Street, Winnipeg
Peerless Air Conditioning Equipment Company	1763 Portage Avenue St. James
Rubin Sheet Metal	784 Selkirk Avenue, Winnipeg
Service Station Equipment Company Limited	1021 Winnipeg Avenue, Winnipeg
Western Steel Products Limited	St. Boniface
Winnipeg Metal Mfg. & Stamping Co.	137 Bannatyne Avenue, Winnipeg
<u>SASKATCHEWAN -</u>	
Canada Ingot Iron Company Limited	1614 Eighth Avenue, Regina
Charlebois, A. I., Limited	Ave. J. & 20th Street, Saskatoon
Harding's Sheet Metal	836 - 20th West Street, Saskatoon
Regina Sheet Metal Works	1856 Cornwall Street, Regina
Waterman Waterbury Manufacturing Company Ltd.	Cor. Seventh and Rose Street, Regina
Western Steel Products Limited	Regina
Western Steel Products Limited	Avenue G and 22nd Street, Saskatoon
<u>ALBERTA -</u>	
Barry Sheet Metal Company Limited	10171 - 98th Street, Edmonton
Canada Ingot Iron Company Limited	8302 - 103rd Street, Edmonton
Foulds & Booth Limited	1010 - 12th Ave. W., Calgary
Norwood Sheet Metal Works	9568 - 111th Ave., Edmonton
Slattery Sheet Metal Company	435 - Eighth Ave. E., Calgary
Steady Sheet Metal Works	213 - Seventh Ave. E., Calgary
Thorson, M., Sheet Metal Works	9353 Jasper Ave., Edmonton
Western Steel Products Limited	902 - Eleventh Street, Calgary
Western Steel Products Limited	7900 - 115th Avenue, Edmonton
<u>BRITISH COLUMBIA -</u>	
Air Conditioning Engineers	1511 West 4th Avenue, Vancouver
American Can Company Limited	Cor. Princess & Alexander Sts., Vancouver
Armstrong, Edw. L.	4216 Main Street, Vancouver
Canadian John Wood (Vancouver) Ltd.	Granville Island, Vancouver
Canada Ingot Iron Company Limited	Granville Island, Vancouver
Clendon Metal Stamping Works	1314 Graveley Street, Vancouver
General Steel Wares Limited	8976 Shaughnessy Street, Vancouver
Globe Sheet Metal Works	2220 Cambie Street, Vancouver
Grafton Sheet Metal Works	790 E - 14th Avenue, Vancouver
Hatch, R. E.	63 - 4th Avenue W., Vancouver
Hay & Fraser Limited	715 Carnarvon Street, New Westminster
Humphrey, W. G., Sheet Metal Works	132 Powell Street, Vancouver
Model Sheet Metal Works	2003 Government St., Victoria
Northwest Sheet Metal Limited	441 Nanaimo Street, Vancouver
Pacific Pipe & Flume Limited	Winnipeg Street, Penticton
Pressed Metal Products Limited	446 Railway Street, Vancouver
Rapid Manufacturing Company	2034 - Twelfth Ave. W., Vancouver
Supreme Sheet Metal Works	2421 Scotia Street, Vancouver
Tracey, J. R., & Son, Limited	550 Sixth Avenue W., Vancouver
Terminal Sheet Metal Works, Limited	1090 Pender Street W., Vancouver
Western Steel Products Limited	Granville Island, Vancouver
Wilson's Sheet Metal Works	2912 W. Broadway, Vancouver

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