

42-203

Historical File Copy

C.1

Published by Authority of the HON. W. D. EULER, M.P., 9-9-39
Minister of Trade and Commerce Price 10 cents

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

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.
Statistician - Metal and Chemical Products: H. McLeod, B.Sc.

ANNUAL INDUSTRY REPORT

IRON AND STEEL AND THEIR PRODUCTS

THE AIRCRAFT INDUSTRY, 1938.

Statistics for the Aircraft Industry as given in Tables 1 to 8 of this report, cover the operations of establishments in Canada which were occupied chiefly in making or assembling aircraft or in manufacturing parts or devices such as pontoons, skis, trainers, etc.

Thirteen factories were included in this group in 1938, there being 3 in Quebec, 6 in Ontario, 2 in Manitoba, 1 in Saskatchewan and 1 in British Columbia. Production from these works was valued at \$6,927,105, including \$4,001,622 for 282 aeroplanes and \$2,925,483 for parts, repairs and other products. On an average 1,617 workers were employed and \$2,093,717 were paid out in salaries and wages. Fixed and working capital totalled \$8,641,790.

Imports of aeroplanes and parts (except engines) were valued at \$2,883,059 in 1938, and exports were worth \$2,936,911. Imports of aeroplane engines and parts were worth \$1,602,840.

Table 1 - Principal Statistics of the Aircraft Industry, 1933 - 1938.

Year	Number of plants	Capital employed	Average number of em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1933	5	1,249,792	147	169,053	7,934	97,677	345,217
1934	6	1,210,314	162	192,373	11,219	162,294	483,948
1935	7	1,574,495	294	327,792	11,666	362,854	880,699
1936	7	1,544,869	416	521,969	20,588	571,117	1,347,894
1937	8	2,836,836	606	691,934	23,762	879,654	1,730,724
1938	13	8,641,790	1,617	2,093,717	63,501	2,709,384	6,927,105

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

Table 2 - Capital Employed, 1937 and 1938.

Capital employed - as represented by:	1 9 3 7	1 9 3 8
	\$	\$
Present value of lands, buildings, machinery and other equipment	1,336,276	4,838,387
Inventory value of materials, finished products, fuel and other supplies on hand, and stocks in process	1,094,137	2,789,651
Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	406,423	1,013,752
TOTAL	2,836,836	8,641,790

Table 3 - Employees, Salaries and Wages, 1937 and 1938.

		1 9 3 7	1 9 3 8
Salaried Employees	Male	116	231
	Female	14	32
	Total	130	263
Wage-earners	Male	458	1,320
	Female	18	34
	Total	476	1,354
	TOTAL EMPLOYEES	606	1,617
Salaries	\$	188,515	426,307
Wages	\$	503,419	1,667,410
TOTAL SALARIES AND WAGES	\$	691,934	2,093,717

Table 4 - Wage-earners, by Months, 1937 and 1938. (On the last day of each month.)

Month	1 9 3 7			1 9 3 8		
	Male	Female	TOTAL	Male	Female	TOTAL
January	417	9	426	1,125	27	1,152
February	428	13	441	1,220	32	1,252
March	462	15	447	1,217	35	1,252
April	485	12	497	1,218	35	1,253
May	527	14	541	1,365	31	1,396
June	520	14	534	1,333	33	1,366
July	573	17	590	1,352	32	1,384
August	564	18	582	1,346	40	1,386
September	486	18	504	1,407	38	1,445
October	352	20	372	1,413	36	1,449
November	360	22	382	1,426	33	1,459
December	324	21	345	1,415	27	1,442
AVERAGE	458	18	476	1,320	34	1,354

Table 5 - Fuel and Electricity Used, 1937 and 1938.

Kind	Unit of Measure	1 9 3 7		1 9 3 8	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian ..	short ton	418	3,204	2,405	14,595
Imported ..	short ton	391	2,754	559	3,827
Anthracite coal	short ton	-	-	98	1,035
Lignite coal	short ton	25	117	51	237
Gasoline	Imp. gal.	-	-	28,433	9,593
Kerosene	Imp. gal.	5,610	561	100	26
Fuel oil	Imp. gal.	65,000	3,900	107,432	5,998
Wood	Cord	-	-	80	340
Gas - Manufactured	M cu. ft.	697	754	5,538	3,786
Electricity	K. W. H.	435,385	12,472	1,626,898	24,064
TOTAL	\$	-	23,762	-	63,501

Table 6 - 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
Gasoline, gas and oil engines (except diesels)	-	-	8	2,704
Electric motors run by purchased power	239	418	485	4,129
TOTAL	239	418	493	6,833
Boilers	2	280	8	1,430

Table 7 - Materials Used, 1938.

Materials	Unit of Measure	Quantity	Cost at works
			\$
Iron castings	short ton	30	3,662
Steel castings	short ton	12	3,438
Steel bars and rods	short ton	24	3,113
Steel plates and sheets	short ton	12	2,878
Steel pipe and tubing	-	-	4,437
Alloy steel	-	-	11,058
Other iron and steel	-	-	7,778
Aluminium	short ton	102	148,377
Lead	short ton	25	2,625
Zinc	short ton	25	2,200
Other non-ferrous metals	-	-	2,702
Bolts, nuts, rivets and screws	-	-	23,049
Electrical supplies	-	-	21,582
Paints, oils and varnishes	-	-	43,442
Engines	-	-	971,267
Instruments	-	-	169,656
Pontoons	-	-	24,800
Propellers	-	-	110,912
Wheels	-	-	17,237
Tires	-	-	5,502

Table 7 - Materials Used, 1938 - Concluded.

Materials	Unit of Measure	Quantity	Cost at works
			\$
Fabric	-	-	6,378
Veneer and plywood	-	-	9,363
Other lumber	-	-	21,130
Other parts and accessories	-	-	509,781
All other materials	-	-	583,017
TOTAL	-	-	2,709,384

Table 8 - Products Made, 1937 and 1938.

Note - Data given below are only for the Aircraft Industry and cover only the concerns which made aeroplanes or aviation supplies as their chief products.

Products	1937		1938	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Aircraft of all kinds -				
(a) complete with engines No.	48	517,750	215	2,634,782
(b) without engines No.	57	302,210	67	1,366,840
Pontoons Sets	82	238,564	27	97,772
Other parts and accessories				
for aeroplanes	-	265,429	-	839,369
All other products (including work in process) ...	-	227,753	-	1,545,806
Amount received for repair work	-	179,018	-	442,536
TOTAL	-	1,730,724	-	6,927,105

Table 9 - Total Production of Aeroplanes in Canada, 1933 - 1938 (from all industries)

Year	Number	Selling value at works
		\$
1933	-	138,470
1934	18	117,689
1935	58	479,614
1936	109	1,210,910
1937	110	1,461,626
1938	282	4,001,622

Table 10 - Imports of Aircraft and Complete Parts Thereof, Not including engines, 1936 - 1938.

		1 9 3 6	1 9 3 7	1 9 3 8
From - United Kingdom	No.	26	18	-
	\$	425,946	271,600	693,555
United States	No.	46	59	48
	\$	516,946	1,014,124	2,188,635
Other countries	\$	1,831	2,897	863
TOTAL	No.	72	77	48
	\$	944,723	1,388,621	2,883,059

Dollar figures include value of parts.

Table 11 - Imports of Aeroplane Engines and Complete Parts, 1936 - 1938.

		1 9 3 6	1 9 3 7	1 9 3 8
From - United Kingdom	No.	42	101	143
	\$	149,289	343,422	859,226
United States	No.	64	170	153
	\$	189,535	688,944	743,193
Other countries	\$	620	298	421
TOTAL	No.	106	271	296
	\$	339,444	1,032,664	1,602,840

Dollar figures include value of parts.

Table 12 - Exports and Re-Exports of Aeroplanes and Parts, 1936 - 1938.

		1 9 3 6	1 9 3 7	1 9 3 8
EXPORTS (Made in Canada)	\$	360,073	264,687	2,798,770
RE-EXPORTS (Foreign-made goods re-exported)	\$	45,972	27,230	138,141



1010684796

- 6 -

DIRECTORY OF FIRMS IN THE AIRCRAFT INDUSTRY, 1938.

Names of Firms

Location of Plants

QUEBEC

(x) Canadian Vickers Limited	4970 Notre Dame St. E., Montreal
(x) Fairchild Aircraft Limited	Longueuil
(x) Noordyn Aircraft Limited	P.O. Box 25, St. Laurent

ONTARIO

(x) Canadian Car & Foundry Company Limited	Fort William
(x) Cub Aircraft Corporation Limited	2 Adams Street, Hamilton
(x) De Havilland Aircraft of Canada Limited	Shepherd Avenue West, North York
(x) Fleet Aircraft, Limited	Gilmore Road, Fort Erie
Link Manufacturing Company Limited	Mill Street, Gananoque
Ottawa Car Manufacturing Company Ltd.	312 Slater Street, Ottawa

MANITOBA

MacDonald Bros. Aircraft Limited	50 Robinson Street, Winnipeg
S. & S. Aircraft Limited	120 King Street, Winnipeg

SASKATCHEWAN

M. & C. Aviation Company Limited	1st Ave. E. & River St., Prince Albert
----------------------------------	---

BRITISH COLUMBIA

(x) Boeing Aircraft of Canada Limited	1927 West Georgia Street, Vancouver
---------------------------------------	--

(x) Made aircraft in 1938; other concerns listed engaged in making parts or repairs only.