

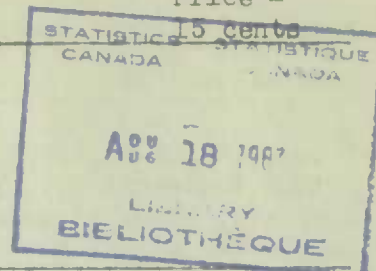
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MINING, METALLURGICAL AND CHEMICAL BRANCH
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ANNUAL INDUSTRY REPORTIRON AND STEEL AND THEIR PRODUCTSTHE AIRCRAFT INDUSTRY, 1939

Statistics for the Aircraft Industry 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, link trainers, etc.

Thirteen factories were included in this group in 1939, there being 7 in Ontario, 3 in Quebec, 2 in Manitoba and 1 in British Columbia. Production from these plants was valued at \$12,638,470, including 252 complete aircraft valued at \$4,177,555, work done on unfinished aircraft amounting to \$5,596,216, and other products such as pontoons, propellers, skis, aviation trainers, etc. at \$2,864,699. The average number of employees was 3,596 and \$4,651,615 was paid in salaries and wages. Fixed and working capital totalled \$14,581,852.

Imports of aeroplanes and parts (except engines) were valued at \$5,550,320 in 1939 and exports were appraised at \$439,359. Imports of aeroplane engines and parts were worth \$2,192,767.

Table 1 - PRINCIPAL STATISTICS OF THE AIRCRAFT INDUSTRY, 1935 - 1939

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 sell- ing value of products at works \$
1935 ...	7	1,574,495	294	327,792	11,666	362,854	880,699
1936 ...	7	1,544,869	413	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
1939 ...	13	14,581,852	3,596	4,651,615	100,668	1,423,168	12,638,470

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, 1938 and 1939

Capital employed -- as represented by:	1 9 3 8	1 9 3 9
	\$	\$
Present value of lands, buildings, machinery and other equipment	4,838,387	7,511,250
Inventory value of materials, finished products, fuel and other supplies on hand, and stocks in process ..	2,789,651	3,776,160
Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	1,013,752	3,294,442
TOTAL	8,641,790	14,581,852

Table 3 -- EMPLOYEES, SALARIES AND WAGES, 1938 and 1939

		1 9 3 8	1 9 3 9
Salaried Employees	Male	251	615
	Female	32	75
	Total	263	690
Wage-earners	Male	1,320	2,873
	Female	34	33
	Total	1,354	2,906
	TOTAL EMPLOYEES ..	1,617	3,596
Salaries	\$	426,307	858,414
Wages	\$	1,667,410	3,793,201
TOTAL SALARIES AND WAGES	\$	2,093,717	4,651,615

Table 4 -- WAGE-EARNERS, BY MONTHS, 1938 and 1939 (On the last work day of each month)

	1 9 3 8			1 9 3 9		
Month	Male	Female	TOTAL	Male	Female	TOTAL
January	1,125	27	1,152	1,793	29	1,822
February	1,220	32	1,252	1,958	30	1,988
March	1,217	35	1,252	2,146	25	2,171
April	1,218	35	1,253	2,361	24	2,385
May	1,365	31	1,396	2,569	30	2,599
June	1,333	33	1,366	2,731	24	2,755
July	1,352	32	1,384	2,819	26	2,845
August	1,346	40	1,386	2,975	26	3,001
September	1,407	38	1,445	3,381	44	3,425
October	1,413	36	1,449	3,869	42	3,911
November	1,426	33	1,459	3,972	39	4,011
December	1,415	27	1,442	3,895	40	3,935
AVERAGE	1,320	34	1,354	2,873	33	2,906

Table 5 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1939 (In one week of normal employment; overtime not included)

Hours worked per week	Number of wage-earners	Per cent of total	Hours worked per week	Number of wage-earners	Per cent of total
30 hours or less	30	0.8	55 hours	7	0.2
31 - 43 hours	101	2.6	56 - 64 hours	39	1.0
44 hours	695	17.9	65 hours and over ...	7	0.2
45 - 47 hours	624	16.1	Total	3,873	100.0
48 hours	1,845	47.6	Total wages paid in		
49 - 50 hours	50	1.3	selected week		\$100,901
51 - 54 hours	475	12.3			

Table 6 - FUEL AND ELECTRICITY USED, 1938 and 1939

Kind	Unit of measure	1 9 3 8		1 9 3 9	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian ...	short ton	2,405	14,595	3,589	23,438
Imported ...	short ton	559	3,827	844	6,603
Anthracite coal	short ton	98	1,035	198	2,386
Lignite coal	short ton	51	237	26	130
Gasoline	Imp. gal.	28,433	9,593	7,640	1,514
Kerosene	Imp. gal.	100	26	15	4
Fuel oil	Imp. gal.	107,432	5,998	153,063	10,167
Wood	Cord	80	340	10	100
Gas - Manufactured	M cu. ft.	5,538	3,786	7,173	4,366
Natural	M cu. ft.	...	...	830	434
Electricity	K.W.H.	1,626,898	24,064	4,202,019	51,526
TOTAL .....	\$	...	63,501	...	100,668

Table 7 - POWER EQUIPMENT, 1938 and 1939

	1 9 3 8		1 9 3 9	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Gasoline, gas and oil engines ..	8	2,704	1	85
Electric motors run by purchased power	485	4,129	827	3,502
TOTAL	493	6,833	828	3,587
Stationary boilers	8	1,430	10	647

Table 8 - PRODUCTS MADE IN THE AIRCRAFT INDUSTRY, 1938 and 1939

Products	1938		1939	
	Quantity	Selling value at works \$	Quantity	Selling value at works \$
Aircraft completed during year -				
(a) Complete with engines No.	215	2,634,782	44	1,280,471
(b) Without engines No.	67	1,366,840	208	2,917,024
Parts and accessories for aircraft .....	...	839,369	...	775,255
All other products (including work in process) .....	...	1,645,578	...	7,164,830
Amount received for repair work. ..	...	442,526	...	520,830
TOTAL .....	...	6,327,105	...	12,638,470

Table 9 - PRODUCTION OF AIRCRAFT IN CANADA, 1933 - 1939 (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
1939	252	4,177,555

Table 10 - IMPORTS OF AIRCRAFT AND COMPLETE PARTS THEREOF, NOT INCLUDING ENGINES, 1937 - 1939

	1937	1938	1939
From - United Kingdom No.	18	...	81
\$	271,600	693,555	2,714,054
United States No.	59	48	77
\$	1,014,124	2,188,635	2,834,702
Other countries \$	2,897	869	1,564
TOTAL No.	77	48	158
\$	1,388,621	2,883,059	5,550,320

Dollar figures include value of parts.

Table 11 - IMPORTS OF AEROPLANE ENGINES AND COMPLETE PARTS, 1937 - 1939

	1937	1938	1939
From - United Kingdom No.	101	145	156
\$	343,422	859,226	1,318,774
United States No.	170	153	160
\$	688,944	743,193	873,993
Other countries \$	298	421	...
TOTAL No.	271	296	316
\$	1,032,664	1,602,840	2,192,767

Dollar figures include value of parts.

Table 12 - EXPORTS AND RE-EXPORTS OF AIRCRAFT AND PARTS, 1937 - 1939

	1 9 3 7	1 9 3 8	1 9 3 9
EXPORTS (Made in Canada) \$	264,687	2,798,770	346,551
RE-EXPORTS (Foreign-made goods re-exported) .. \$	27,230	138,141	92,808

DIRECTORY OF FIRMS IN THE AIRCRAFT INDUSTRY, 1939

Names of Firms

Location of Plants

QUEBEC

(x) Canadian Vickers Limited	5136 Notre Dame St. E., Montreal
(x) Fairchild Aircraft Limited	Longueuil
(x) Noorduyt Aircraft Limited	1411 Crescent St., Montreal

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
(x) National Steel Car Corporation Ltd.	Malton
(x) Ottawa Car and Aircraft Ltd.	301 Slater Street, Ottawa

MANITOBA

MacDonald Bros. Aircraft Limited	50 Robinson Street, Winnipeg
S. & S. Aircraft Limited	215 Watt Street, Winnipeg

BRITISH COLUMBIA

(x) Boeing Aircraft of Canada Limited	1927 Georgia Street, Vancouver
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(x) Made aircraft in 1939; other concerns listed engaged in making parts or repairs only.

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