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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

THE AIRCRAFT INDUSTRY, 1937.

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.

In 1937 only 8 factories were in this category, 5 being in Ontario, 2 in Quebec and 1 in Manitoba. Production from these works was valued at \$1,730,724, including \$819,960 for 105 complete planes and \$910,764 for parts and other products. An average of 606 workers were employed throughout the year and salaries and wages amounted to \$691,934. Fixed and working capital totalled \$2,836,836.

A few aeroplanes were made by concerns which were classified to other industrial groups in the statistical summaries, the manufacture of aircraft being of secondary importance in these instances. Two such companies reported an output of 5 machines worth \$641,666 in 1937 bringing the total Canadian output in that year to 110 planes valued at \$1,461,626.

Imports of aeroplanes and parts (except engines) were valued at \$1,338,621 in 1937 and exports totalled \$291,917. Imports of aeroplane engines and parts were appraised at \$1,032,664.

Table 1 - Principal Statistics of the Aircraft Industry, 1933 - 1937.

Year	Number 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
		\$		\$	\$	\$	\$
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

Table 2 - Capital Employed, 1936 and 1937.

Capital employed - as represented by:	1936	1937
	\$	\$
Present value of lands, buildings, machinery and other equipment	879,454	1,336,276
Inventory value of materials, finished products, fuel and other supplies on hand, and stocks in process	425,066	1,094,137
Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	240,349	406,423
TOTAL	1,544,869	2,836,836

Table 3 - Employees, Salaries and Wages, 1936 and 1937.

	1936	1937
Salaried Employees		
Male	70	116
Female	8	14
Total	78	130
Wage-earners		
Male	325	458
Female	13	18
Total	338	476
TOTAL EMPLOYEES	416	606
Salaries	\$ 148,884	\$ 188,515
Wages	\$ 373,085	\$ 503,419
TOTAL SALARIES AND WAGES	\$ 521,969	\$ 691,934

Table 4 - Wage-earners, by Months, 1936 and 1937. (On the 15th of each month).

Month	1936			1937		
	Male	Female	TOTAL	Male	Female	TOTAL
January	229	6	235	417	9	426
February	302	8	310	428	13	441
March	338	10	348	462	15	477
April	354	11	365	485	12	497
May	344	15	359	527	14	541
June	355	17	372	520	14	534
July	324	16	340	573	17	590
August	278	13	291	564	18	582
September	293	14	307	486	18	504
October	310	12	322	352	20	372
November	382	12	394	360	22	382
December	389	12	401	324	21	345
AVERAGE	325	13	338	458	18	476

Table 5 - Regular Hours Worked per Week by Wage-earners, 1936 and 1937. (Based on on period of highest employment)

1936			1937		
Regular hours worked per week	Per cent of wage-earners		Regular hours worked per week	Per cent of wage-earners	
44 hours	16.7	4.4	48 hours	2.7	38.5
45 - 47 hours .	80.1	35.4	51 - 53 hours ..	20.5	21.7

Table 6 - Fuel and Electricity Used, 1936 and 1937.

Kind	Unit of Measure	1936		1937	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian ..	short ton	332	2,423	418	3,204
Imported ..	short ton	415	2,851	391	2,754
Lignite coal	short ton	...	...	25	117
Coke	short ton	12	138	...	...
Kerosene	Imp. gal.	6,020	611	5,610	561
Fuel oil	Imp. gal.	62,000	3,720	65,000	3,900
Gas - Manufactured	M cu. ft.	160	191	697	754
Electricity	K. W. H.	357,250	10,654	435,385	12,472
TOTAL .....	\$	...	20,588	...	23,762

Table 7 - Power Equipment, 1936 and 1937.

	1936		1937	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Electric motors run by purchased power	174	233	239	418
TOTAL	174	233	239	418
Boilers	7	305	2	280

Table 8 - Products Made, 1936 and 1937.

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. Aeroplanes were made also in other industries. (See Table 9.).

Products		1936		1937	
		Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$
Aircraft of all kinds, complete with engine	No.	65	555,374	48	517,750
Aircraft of all kinds, without engine	No.	33	359,586	57	302,210
Pontoons	Sets	39	87,540	82	238,564
Parts and accessories for aeroplanes .....	..	..	154,467	..	265,429
All other products .....	..	..	49,328	..	227,753
Amount received for repair work .....	..	..	141,599	..	179,018
TOTAL .....	..	..	1,347,894	..	1,730,724

Table 9 - Total Production of Aeroplanes in Canada, 1933 - 1937. (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

Table 10 - Imports of Aircraft and Complete Parts Thereof, Not including engines, 1934 - 1937.

	1 9 3 4	1 9 3 5	1 9 3 6	1 9 3 7
From - United Kingdom	No.	2	26	18
	\$ 23,901	96,462	425,946	271,600
United States	No. 15	13	46	52
	\$ 111,464	229,129	516,946	1,014,124
Other countries	\$ 3,792	1,386	1,831	2,897
TOTAL	No. 15	15	72	77
	\$ 139,157	326,977	944,723	1,388,621

Dollar figures include value of parts.

Table 11 - Imports of Aeroplane Engines and Complete Parts, 1934 - 1937.

	1 9 3 4	1 9 3 5	1 9 3 6	1 9 3 7
From - United Kingdom	No. 6	16	42	101
	\$ 15,974	86,806	149,239	343,422
United States	No. 13	62	64	170
	\$ 45,384	131,091	189,535	688,944
Other countries	\$ 998	1,069	620	298
TOTAL	No. 19	79	106	271
	\$ 62,356	218,966	339,444	1,032,664

Dollar figures include value of parts.

Table 12 - Exports and Re-Exports of Aeroplanes and Parts, 1934 - 1937.

	1 9 3 4	1 9 3 5	1 9 3 6	1 9 3 7
EXPORTS (Made in Canada) ...	\$ 26,167	196,890	360,073	264,687
RE-EXPORTS (Foreign made goods re-exported) \$	20,960	40,179	45,972	27,230

DIRECTORY OF FIRMS IN THE AIRCRAFT INDUSTRY, 1937.

Note - This directory is not intended to be a complete list of concerns which make aeroplanes or parts. It is merely a list of the firms in the Aircraft Industry, which includes only the concerns occupied chiefly in this line of manufactures.

Names of Firms

Location of Plants

QUEBEC

(x) Fairchild Aircraft Limited	Longueuil
(x) Noorduyt Aircraft Ltd.	P.O. Box 25, St. Laurent

ONTARIO

(x) Cub Aircraft Corporation Limited	2 Adams Street, Hamilton
(x) De Havilland Aircraft of Canada Limited	30th Ave. and C.N. Railway, North York
(x) Fleet Aircraft, Limited	Gilmore Road, Fort Erie.
Irvin Air Chute Ltd.	Central Ave. at Wintemute Street, Fort Erie, North
Link Manufacturing Co. Ltd.,	Mill Street, Gananoque

MANITOBA

MacDonald Bros. Aircraft Limited	50 Robinson Street, Winnipeg.
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(x) These concerns reported a production of aeroplanes in 1937. In addition aeroplanes were made by the Canadian Vickers Limited at Montreal, Que., and the Yukon Navigation Co. Ltd., at Whitehorse, Yukon, both listed in the shipbuilding industry in 1937.



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