Published by

Published by Authority of the Rt. Hon. C. D. Howe, M.P. Minister of Trade and Commerce

15 cents

Department of Trade and Commerce
Dominion Bureau of Statistics
Census of Industry and Merchandising
Mining, Metallurgical and Chemical Statistics

Ottawa - Canada

Dominion Statistician:

Herbert Marshall

Director - Division of Census of Industry and Merchandising:

W. H. Losee

Chief, Mining, Metallurgical and Chemical Statistics:

H. McLeod

Almal Adustry Report

Iron and Steel and Their Products Group

THE AIRCRAFT INDUSTRY - 1946

The aircraft industry, as reviewed in this report, is made up of the primary assembly plants and also the establishments which were occupied solely or chiefly in making aircraft parts.

Production from this industry in 1946 amounted to \$36,210,906 or 87 per cent less than in 1945. An average of 11,405 persons were given employment and \$24,459,085 were paid in salaries and wages. The amount paid for materials for use in manufacturing was \$6,708,468 and the amount paid for fuel and power was \$787,180.

In the 5 assembly plants which constitute the core of the industry, there were 8,719 workers in 1946, and production, including 308 complete aircraft, was valued at \$26,006,795.

Table 1 - PRINCIPAL STATISTICS OF THE AIRCRAFT INDUSTRY 1936-1946

Table I	LIST MOTI WIT	water-water copy over the two times also begin	OL THE ATTROCKS	and the commence of the commen	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	THE RESIDENCE OF THE PARTY PARTY PARTY.
		Average		Cost of		Gross sell-
	Number	number	Salaries	fuel and	Cost of	ing value
Year	of	of em-	and	electricity	materials	of products
	plants	ployees	wages	at works	at works	at works
And the second s	TEL TO . 40 Miles Tray Tray 5-00 6-00 Miles Teles	Will Life Wind To The Plant Till Till Till Life I	\$	\$	\$	3
1936	7	416	521,969	20,588	571,117	1,347,894
1937	8	606	691,934	23,762	879,654	1,730,724
1938	13	1,617	2,093,717	63,501	2,709,384	6,927,105
1939		3,596	4,651,615	100,668	1,428,168	12,638,470
1940		10,348	13,733,045	281,515	6,813,343	26,567,902
1941		26,661	39,942,017	649,801	19,937,484	81,367,910
1942		44.886	76,334,141	1,180,589	46,252,255	151,554,598
1943		69,529	126,826,708	1,749,421	60,448,010	246,028,586
1944		79,572	161,055,010	2,593,792	137,734,065	426,981,558
1945		37,812	84,230,503	1,813,007	115,093,267	278,652,880
1946		11,405	24,459,085	787,180	6,708,468	36,210,906
Per cent						
change -						
1946 from	1945	_70	-71	-56	-94	-87

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 - PRINCI	PAL STATIS	STICS, BY	SUBDIVISIO	NS OF INDUSTR	Y, 1944-1946	
Year	Number of plants		Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Selling value of products at works
1944	5.0	1_	7	Name of the		
Assembly plants Parts plants onl		59,640 19,732	123,101,02		123,661,502	362,265,060 64,716,498
Total	. 45	79,572	161,055,01	0 2,593,792	137,734,065	426,981,558
1945 Assembly plants Parts plants onl		27,525	63,234,21		101,390,451 13,702,816	241,774,736 36,878,144
Total	. 38	37,812	84,230,50	3 1,813,007	115,093,267	278,652,880
1946	Marie Manuel - Claude of The	THE CONTROL OF THE PROPERTY OF	ik ar tenkuntu ki dilakat di kenterer Andrew Perlember Perpentensa.	rhanned de la company de la co	- O'r Ydgier Ynn y Ell Y Ellin ai dd diffeliad di'r Ydlaegrennidir - Ryddiffilau	
Assembly plants Parts plants onl		8,719 2,686	18,645,70 5,813,37		4,178,353 2,530,115	26,006,795
Total	. 16	11,405	24,459,08	5 787,180	6,708,468	36,210,906
	The second secon	conduction and arranged to the conduction of				AND REAL PROPERTY AND PERSONS ASSESSED.
Table 3 - PRINCI	The second second second second	BITTLE LANGE SHEED MANUAL TO A CAMPENS OF THE	PROVINCES,	1945 and 194	Source of the second contract of the second c	Solling
Province	Ave lumber num of of	erage aber em-	Salaries and	Cost of fuel and electricity	Cost of materials	Selling value of products at works
Province p	Ave lumber num of of	erage aber	Salaries	Cost of fuel and	Cost of	value of
Province P 1 9 4 5 Quebec Ontario Manitoba	Ave Number num of of plants plants	erage aber em- oyees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	value of products
Province p 1 9 4 5 Quebec Ontario	Ave Number num of of of of older of older of older o	erage aber em- cyees ,354 3,083 3	Salaries and wages \$	Cost of fuel and electricity at works \$ 788,952	Cost of materials at works \$ 22,070,104	value of products at works \$ 77,090,671
Province P 1945 Quebec Ontario Manitoba British Columbia Nova Scotia.	16 17 16 2) 1) 4 1) 1)	erage aber em- eyees ,354 3,083 3	Salaries and wages \$ 8,322,958 5,211,924	Cost of fuel and electricity at works \$ 788,952 763,647	Cost of materials at works \$ 22,070,104 90,437,042	value of products at works \$ 77,090,671 184,740,970
Province Province 1945 Quebec Ontario Manitoba British Columbia Nova Scotia. Saskatchewan	16 17 16 2) 1) 4 1) 1)	erage aber em- eyees ,354 3,083 3	Salaries and wages \$ 3,322,958 5,211,924 0,695,621	Cost of fuel and electricity at works \$ 788,952,763,647	Cost of materials at works \$ 22,070,104,90,437,042 2,586,121	value of products at works \$ 77,090,671 184,740,970 16,821,239
Province 1 9 4 5 Quebec Ontario Manitoba British Columbia Nova Scotia. Saskatchewan CANADA 1 9 4 6 Quebec	16 17 16 2) 1) 4, 1) 38 37	erage aber em- eyees ,354 3. ,083 3 ,375 1	Salaries and wages \$ 3,322,958 5,211,924 0,695,621	Cost of fuel and electricity at works \$ 788,952,763,647	Cost of materials at works \$ 22,070,104,90,437,042 2,586,121	value of products at works \$ 77,090,671 184,740,970 16,821,239
Province 1 9 4 5 Quebec Ontario Manitoba British Columbia Nova Scotia. Saskatchewan CANADA	16 17 16 2) 1 4 1 1 38 37	erage aber em- eyees ,354 3,083 3 ,375 1	Salaries and wages 3,322,958 5,211,924 0,695,621	Cost of fuel and electricity at works \$ 788,952,763,647 260,408	Cost of materials at works 22,070,104 90,437,042 2,586,121	value of products at works \$ 77,090,671 184,740,970 16,821,239

Table 4 - WAGE-EARNERS,	BY MONTHS.	1945 and	1946(On	the last	work day	of each month)
Angelia de la como de						

Month		1 9 4 5			1 9 4	6
MOII OII	Male	Female	Total_	Male	Female	Total
January	37,297	12,401	49,698	5,485	258	5,743
February	34,957	11,421	46,378	6,086	281	6,367
March	32,570	10,822	43,392	7,055	312	7,367
April	31,374	10,014	41,388	7,730	332	8,062
May	30,831	9,855	40,686	8,308	345	8,653
June	30,302	9,345	39,647	8,641	353	8,994
July	27,696	8,283	35,979	8,761	353	9,114
August	18,702	4,531	23,233	8,765	411	9,176
September	10,481	1,007	11,488	8,486	420	8,906
October	8,733	743	9,476	8,289	392	8,681
November	7,686	616	8,302	8,048	370	8,418
December	7,275	562	7,837	8,058	350	8,408
AVERAGE	23,179	5,782	28,961	7,809	349	8,1.58

Table 5 - FUEL AND ELECTRICITY USED, 1945 and 1946

The state of the s	PE - min (COULD) - reprincipality common control (COURT)	1 9	4 5	19	4 6
Kind	Unit of measure	Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coalCanadian	short ton	20,093	180,509	2,235	19,879
Imported	short ton	41,031	361,411	20,488	192,187
Anthracite coal	short ton	570	7,031	448	4,513
Lignite coal	short ton	4,837	19,108	6,500	27,850
Coke	short ton	231	2,660	24	312
Gasoline	Imp.gal.	879,467	289,534	486,017	154,492
Kerosene	Imp.gal.	30,903	6,266	8,347	1,817
Fuel oil	Imp.gal.	1,599,506	114,488	666,453	54,331
Wood	cord	96	720	102	816
Gas - Manufactured	M cu.ft.	46,866	28,920	2,044	2,210
Natural	M cu.ft.	4,843	3,874	3,482	2,785
Other fuel	0 # O		159		17,122
Electricity	K.W.H.	99,395,697	798,327	25,319,430	308,866
TOTAL	0		1,813,007		787,180

Table 6 - POWER EQUIPMENT, 1945 and 1946

	Ordinar	ily in Use	In Reser	rve or Idle
	Number	Total rated	Number	Total rated
	of units	horse power	of units	horse power
1 9 4 5				Marie I
Steam engines and turbines	1	15		
Gasoline, gas and oil engines	9	606	8	533
Diesel engines	1	90	1	300
Electric motors run by purchased				
power	15,284	36,366	298	1,732
TOTAL	15,295	37,077	307	2,565
Electric motors run by above				commence of the special continue with the security
primary units		0.00	1	300
Stationary power boilers	20	4,880	5	454
Motor-generator sets	98	3,327	8	353

Table 6 - POWER EQUIPMENT, 1945 and 19	11.6	6	((G	C		(3	3	3	6	(-	6	. 1	1	1	1	1)	j		_	C	(1		ŧ	1	1	1	1				7	k	1	ij	۲	r	1	ı	ľ	1	q	9	2	g	5	ş	3						>	5	5	£	d	1					1	1																									ļ.	Ι,	/,	Ι,	1	}/	9	9	C		((1						Ì.	ì.	ì.	Ì.	ì	ì	1	7	1													9	9	ľ	ľ	ľ	Ī	1	F	ľ
--	------	---	----	---	---	--	---	--	--	--	--	--	--	---	---	---	---	----	---	-----	---	---	---	---	---	---	--	---	---	---	---	--	---	---	---	---	---	--	--	--	---	---	---	----	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	---	---	---	---	---	---	--	--	--	--	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	---	----	---	---	---	--	---	---	---	--	--	--	--	--	----	----	----	----	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	---	---	---	---	---	---	---	---	---

Table 6 - PUMER EQUIPMENT, 1945 and		ily in Use	In Rese	rve or Idle
	Number		Number	Total rated
	of units	horse power	of units	horse power
1 9 4 6				
Steam engines and turbines	***	168	3	255
Gasoline, gas and oil engines	1	90		
Electric motors run by purchased power	6,148	17,946	258	1,549
TOTAL	6,152	18,204	261	1,804
Electric motors run by above primary units	enterente de la companya del la companya de la companya del la companya de la com	ing inge verp response criticale i vig inge i reference per veli inserv di Sili di reference suprimentation residual communications into		
Stationary power boilers	5	840	4	360
Motor-generator sets	48	1,984	1	150

Table 7 = PRODUCTS MADE IN THE ATROPATT INDUSTRY, 1945 and 1946

Table 7 = PRODUCTS MADE IN THE AIRC	RAFT INDUS	iky. 1945 and 1	246	And the second second second second
	1	2 4 5	1 9	4 6
		Selling		Selling
	Quantity	value at	Quanti ty	value at
		works		works
magningeriginal referred has tree with 20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1	Cartinature and and over the entered and and a	S	Lucius (19 hg val) to the supplied	Š
Total aircraft completed in year (/)	1,822	211,861,554	308	3,700,453
Aircraft being built but not	2,000	,		
completed at year end (value of				
work done)		39,888,217(x	1	5,880,625
Repairs to aircraft (value of	1) / 9 000 9 mar / (m		2,000,000
		9,605,516		13,582,347
work done)		, "	C + B	15,314,257
Aircraft parts manufactured	7 / 3	94,755,722	2 0 0	
All other products manufactured.	0 to C	8,601,835		4,658,021
Total Gross Production		364,712,844		43,135,703
Total Gross Froduction	PROPERTY OF SECURITION OF	JOH & LIVE & OKAL	P P P	409200000000000000000000000000000000000
Less value of work done in				
previous year on aircraft com-				
pleted in current year		86,059,964		6,924,797(x)
	Million Comment with the Comment of the	AND THE PERSON NAMED IN	Manager of the Section	
TOTAL NET PRODUCTION		278,652,880		36,210,906
	BARRIOTO PROJECTO TO THE PROPERTY SHARES	APPROXIMATE THE THE PARTY AND ADDRESS OF THE P	The state of the s	PARTIES AND THE PROPERTY OF THE PARTY OF THE

(x) The large difference between these two figures is due to cancellation of contracts for military aircraft.

^(/) Includes 1,812 military planes and 10 civilian planes in 1945. All of the aircraft completed in 1946 were for civilian use including 3 commercial transports, 2 cargo planes and 302 light private passenger planes and trainers.

Aircraft			- 5 -		
Table 8 - PROI	OUCTION OF	THE THE THE PER PER PER PER PER PER PER PER PER PE	CANADA, 1936-1	946	
Year	Number	Selling value	Year	Number	Selling value
Isar	Number	at works		Munder	at works
Bullimanian (Mill) ray ray from the last was well made verman o	marrill tall had any merilika-lika-lika-any ark	8	स्त्रीत्यक्ष त्रिक्ष अर्थः अर्थः व्यक्तिक स्त्रक्ष अन्य अर्थः वर्धः वर्षः वर्षः	and the relativity and the solution and end-and end-and the solution and t	\$
1936	109	1,210,910		3,409	70,274,104
1937	110	1,461,626		3,792	119,432,707
1938	282 252	4,001,622		4,095 1,822	269,879,520 211,861,554
1940	875	13,859,625		308	3,700,453
1941 ,,	1,466	35,348,343			,,,,,,,,,
Table 9 - IMPO	ORTS OF AIRC	CRAFT AND COL	1944-1946 1 9 4 4	1945	1946
From: United	Kingdom	. No.	53,007	134,481	465,955
United	States		40	23	328
		\$	65,075,653	15,866,041	8,967,430
Other o	countries	. •	* * * *	31.2	14,596
TO	TAL	No.	40	23	332
		\$	65,128,660	16,000,834	9,447,981
Note: Dollar	figures in	clude value	of parts.		S. FIVE STATE OF
Table 10 - IME	PORTS OF ATE	ROBART ENGIN	es and complete	E PARTS, 1944-1946	
A CO Date Of the Company of the Comp		COLD SERVICE AND AND AND ADDRESS OF THE COLD SERVICE AND AND AND ADDRESS OF THE COLD SERVICE A	1944		1946
From: United	Kingdom	No.	2	12	59
		\$	7,934	308,019	882,688
United	States		1,146	83 394,061	719 602,707
Other o	countries	\$	10,221,077	774,001	002,707
	TAL		1,148	95	778
10	TOD SECOND	\$	18,229,591	702,080	1,485,395
		4			
Table 11 - EXP	ORTS AND RE	E-EXPORTS OF	AIRCRAFT AND 1	PARTS, 1944-1946	
			1944	1945	1946
			\$	\$	\$
Exports (made			107,113,517	108,152,016	9,507,369
Re-exports (for	e-exported)	_	16,455,927	16,783,192	4,468,563

Aircraft



DIRECTORY OF FIRMS IN THE AIRCRAFT INDUSTRY, 1946

Note: This is not intended to be a complete directory of firms which make aircraft parts. It is merely a list of the concerns which have been classified to this industry for statistical purposes. It includes the main assembly plants and also the firms which were occupied solely or chiefly in making aircraft parts. The assembly plants are indicated by an (x).

Name of Firm

Location of Plant

Quebec Bloctube Controls of Canada Limited
Canadian Car & Foundry Company Limited
Canadian Pratt & Whitney Aircraft Co. Ltd.
Canadian Wright Limited
Canadair Limited (x)
Fairchild Aircraft Limited (x)
West Aeronautical Devices Inc.

5460 Bordeaux St., Montreal
Montreal
150 Lorne Ave., Longueuil
6259 Notre Dame St. E., Montreal
P.O. Box 6087, Cartierville
Longueuil
531 Cote de Liesse Rd., Dorval

Ontario Cub Aircraft Corporation Limited (x)
De Havilland Aircraft of Canada, Limited (x)
Manufacturing and Aircraft Limited (x)
Prenco Progress & Eng. Corp. Ltd.
Roe, A. V., Canada Limited
Stanley Precision Instruments Co. Ltd.

Hamilton
Sheppard Ave., Downsview
Gilmore Rd., Fort Erie
72-74 Stafford St., Toronto
Malton
587 Fleet St. W., Toronto

Manitoba - MacDonald Bros. Aircraft Limited

50 Robinson St., Winnipeg

Saskatchewan - M & C Aviation Co. Ltd.

P.O. Box 789, Prince Albert