

## THE ATRCRAFT INDUSTRY, 1943

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. All of the makers of afrcraft parts are not included as a large number of concerns which normally are in other lines of business are now participating in the over-all aircraft program.

Production from this industry in 1943 amounted to $\$ 246,028,586$ or 62 par cent more than in 1942. An average of 69,529 persons were given employment and $\$ 126,826,708$ were paid in salasies and wages. The amount paid for materials for use in manufacturing was $\$ 60,448,010$ and the amount paid for fuel and power was $\$ 1,749,421$; the former figure does not include materials which were supplied free by the Dominion Government.

In the 3 assambly plants which constitute the core of the industry, there were 53,896 workers in 1943 and production, including 3,792 complete aircraft, was valued at $\$ 190,365,216$.

Table 1 - PRINCIPAL STATISTICS OF THE AIRCRAFT INDUSTRY, 1935-1943

| Year | Number of plants | Capital employed | Average <br> number <br> of en- <br> ployees | Salaries <br> and <br> wages | Cost of fuel and alectricity at works | Cost of materials at works | Gross selling value of products at works |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | \$ |  | \% | \% | \$ | \$ |
| 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 |
| 1.938 | 13 | 8,641,790 | 1,617 | 2,093,717 | 63,501 | 2,709,384 | 6,927,105 |
| 1939 | 13 | 14,581,852 | 3,596 | 4,551,615 | 100,668 | 1,428,168 | 12,638,470 |
| 1940 | 19 | 30,749,992 | 10,348 | 13,733,045 | 281,515 | 6,813,343 | 26,567,902 |
| 1941 | 24 | 56,890,281 | 26,661 | 39,942,017 | 649,801 | 19,937,484 | 81, 367,910 |
| 1942 | 42 | 90,527,920 | 44,386 | 76,334,141 | 1,180,589 | 46,252,255 | 151,554,598 |
| 1943 | 45 | 228,616,099 | 69,529 | 126,826,708 | 1,749,421 | 60,448,010 | 246,028,586 |
| Per cant |  |  |  |  |  |  |  |
| Incrasase, |  |  |  |  |  |  |  |
| 1943 over |  |  |  |  |  |  |  |
| 1942 | - | 152. 5 | 54.9 | 66.1 | 48.2 | 52.3 | 62.3 |

NOTE: Proflts 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.

Tab1e 2 - PRINCTPAL STATISTICS, BY SUBDIVISIONS OF INDUSTRY, 1941-1943


Table 4 - CAPITAL MMPLOYED, BY PROVINCES, 194? and 1943 $\qquad$

Value of Inventories
Raw raterdals,
fuel and other
Prosent value of land, kuild ings, fixtures machinery etc.
supplies on hand and stocks products hand and stocks on hand in procese
S. inished
products
on hand

Cash, bills
and accounts TOTAL receivable, CAPITAL prepaid ex- EMPLOYED penses, etc.

1242
Quebec ........

| 5,754,469 | 7,990,842 | 3,493,244 | 8,309,530 | 25,548,085 |
| :---: | :---: | :---: | :---: | :---: |
| 14,777,768 | 21,089,214 | 2,911,568 | 19,906,523 | 58,685,073 |
| 728 | 4,106,307 | 43, $47 ?$ | $1,416.147$ | 6,294.762 |
| 21,261,06 | 3 | 448, 289 | 00 | 0.527, 920 |

19.43

Cuebec...... $9,182,765 \quad$ 24,802,799 $4,905,190 \quad 12,834,194 \quad 51,724,948$ Ontario ...... $23,413,085 \quad 81,801,431 \quad 5,1.77,772 \quad 11,802,803 \quad 122,195,091$ Other provinces - $8,189, \frac{100}{2} \ldots 23,041,543 \ldots 21,860,703,1,604,414,544,696,060$


Table $5=$ FAGE EARNERS, BY MONTHS 1942 and 1913 JOn the 1 ast work day of each month)


Table 6 - HOURS WORKED PER WEEK BY WAGE-EARNFHS, 1943 (In one week of nomal Employment; overtime inciud


Table 7 - FUEL AND ELECJRICITY USED, 1942 and 194 :

| Kind | Unit of measure | Quanti ty | Cost at $\frac{\text { works }}{\$}$ | Quantity | Cost at $-\frac{\text { works }}{\$}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Bituminous coal--Canadian | short ton | 14,300 | 112,736 | 30,046 | 245,462 |
| Imported | short ton | 22,796 | 176,794 | 45,432 | 391,173 |
| Anthracite coal | short ton | 4,324 | 41,817 | 2,170 | 19,826 |
| Lignite coal | short ton | 34 | 178 | 40 | 273 |
| Coke | short ton | -•• |  | 318 | 3,343 |
| Gasoline | Impogel. | 588,175 | 199,701 | 669,219 | 205,340 |
| Kerosene | Impogal. | 8,257 | 1,527 | 49,021 | 10,330 |
| Fuel ofl | Impogel. | 1,016,957 | 73,539 | 69,625 | 7,012 |
| Wood | Cord | 56 | 551 | 54 | 505 |
| Gas-Manufactured | $\mathrm{M} \mathrm{cu.ft}$. | 46,831 | 29,930 | 58,772 | 40,091 |
| Natural | M cu.ft. | 9 | 10 | 10 | 19 |
| Other fuel |  |  | 5,372 |  | 15,662 |
| Electricity | $\mathrm{K}, \mathrm{N}, \mathrm{H}$ | 61,335,047 | 538,454 | $14.291,514$ | 810,445 |
| TOTAL | \$ |  | ,180,589 | ... | 1,749,421 |

Table 8 - POWER EQUIPMENT, 1942 and 1943


Table 9 - PHODUCTS MADE IN THE AIRCRAFT INDUSTRY, 1942 and 1943

|  | 1942 |  | -19 | $\frac{3}{\text { Selling }}$value at <br> morks |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Selling value at works | Quantity |  |
| Total aircraft completed in year | 3,403 | $70,274,104$ | 3,792 | $\begin{gathered} \$ \\ 119,432,707 \end{gathered}$ |
| Aircraft being built but not completed at year end (value of work done) $\qquad$ |  | 31,220,535 | ... | 54,338,792 |
| Aircraft imported and assembled under Air Training Plan (value of work done) |  | 285,774 |  |  |
| Repairs to aircraft (value of mork done) $\qquad$ | .... | 8,904,796 | ... | 14,324,766 |
| Aircraft parts manufactured .... | ... | 55,241, 994 | ... | 87,474,754 |
| All other products manufactured. <br> Total Gross Production ..... |  | $\begin{array}{r} 2,214,335 \\ 168,140,938 \end{array}$ |  | $\begin{array}{r} 3,542,790 \\ 279,113,809 \end{array}$ |
| Less value of work done in previous year on aircraft completod in current year ............. TOTAL NET PFODUCTION e.e.s |  | $\frac{16,586,340}{151,554,598}$ |  | $\begin{array}{r} 33,085,223 \\ 246,028,586 \end{array}$ |

Table 10 - PRODUCIION OF AIRCRAFT IN CANADA, 1933-1945


Table 11 - IMPORTS OF AIRCRAFT AND COMPLET'E PARTS THEREOF, NOT INCLUDING ENGINES, 1941-1943

|  | 1941 | 1942 | 1943 |
| :---: | :---: | :---: | :---: |
| From-Uni ted Kingdom . . No. |  |  |  |
| * | 1,136,774 | 1,446,707 | 403,328 |
| Uni ted States .... No. | 243 | 28 | 148 |
| \$ | 22,989,241 | 35,184,205 | 66,102,084 |
| Other countries .. | - 15, 368 | $3,830$ | [ 3, 544 |
| TOTAL ........ No. | 244 | 28 | 148 |
| \$ | 24, 139, 383 | 36.634.742 | 66,507,956 |

NOTE: Dollar flgures include value of parts.


| From--United Kingdom $\qquad$ No. <br> United States $\qquad$ No. Other countrfes $\qquad$ $\$$ TUTAL $\qquad$ No . | $\begin{array}{r} 291 \\ 3,439,703 \\ 1,450 \\ 13,291,728 \\ 2,040 \\ \hline 1,741 \\ 16,733,471 \\ \hline \end{array}$ | $\begin{array}{r} 313 \\ 1,324,125 \\ 375 \\ 7,320,830 \\ 6,460 \\ \hline 8,651,415 \\ \hline \end{array}$ | $\begin{array}{r} 28 \\ 429,579 \\ 718 \\ 15,840,709 \\ 150,469 \\ \hline 769 \\ 16,420,757 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: |
| Table 13 - EXPORTS AND RE-EXPORTS OF AIRCRAFT AND PARTS, 1941-1943 |  |  |  |
|  | 1941 | 1942 | 1943 |
| Exports (Mada in Canada) ..... \$ | 20,185,360 | 27,010,443 | 44,786,592 |
| Re-Exports (Foreign-made goods re-exported) ... | 2,406, 528 | 4,227,021. | 5,421,138 |

## DIRECORI OF FIFMS IN THE ATKCRAFT INDUSTRY. 1943

Note: This is not irtended to be a complete directory of flrms which make airuraft parts. It is merely a list of the concerns which have been classifled to this industry for statistical purposes. It includo: the maf.n ascoably plants and also tias firns whit wers occupied solely or chiefly in making airarart parts.

Nova Scatia -
Canadian Car \& Foundry Company Limited ( x ) Amherat

Quebee -
Bloctube Controls of Canada Limited
Cambridge Machine Tool \& Aircraft Supplies Ltd.
Canadian Car \& Foundey Company Limited
Canadian Pratt \& Whitney Aircrart Co. Itd.
Canadian Propellors Limited
Canadian Wriggt Limited
Canadian Vickers Limited, Aircrart Division (x)

Fairchild Airoraft Limited (x)
Federal Aircraft Iimited
Heroux Machine Parts Ltd.
McKay, Fred A.
Noorduyn Aviation Limited ( x )
Vistoria Precision Works Co. Ltd.
West Aeronautical Devices Inc.

5460 Bordeaux St., \&ontreat
1408 Towers St., Montreat
Montrad. (2 plants)
150 Lorre Ave., Longueuti
5400 Hochel.aga St., Montreal
6252 Notre Dane St. E., Montrsal
P.O. Box 6087 , Cartiarville Longuexil
2027 Delorinier St., Montreal
73 Chambly Rd., Longueuil
756 St. Paul St. W., Montrea?
1411. Crascent St., Montrsal

277 Craig St. T., Montreal.
1073 Mountain St., Montreal.

Concluded)

| Name of Firm | Location of Plant |
| :---: | :---: |
| Ontario - |  |
| Canadian Airerart Instraments \& Accessorias Letd. | 99 Vanderhoof Ave., Leaside |
| Cenedian Aviation Products Limited | 1009 Bay St., Toronto |
| Canadian Car \& Foundry Company Limited ( x ) | Fort lilliam |
| Cockshutt Moulded Airerart Ltd. | Mohank St., Brantford |
| Cub Airoraft Corporation Limited | Hamil ton |
| De Havilland Airarart of Canada, Limited ( x ) | Sheppard Ave., Downsviow |
| Federal Sales \% Engineerlag Limited | 97 Pelham Ave., Toronto |
| Fleet Aircrart Limited ( x ) | Gilmore Rd., Fort Erie |
| International Aoronautical Comporation Limited | 10 Smoris st., Toronto |
| Leavens Bros. Air Services Ltd. | Dufferin St., Fairbanks |
| Link Manufacturing Company Lta. | Mill St., Gananoque |
| Maple Leaf Aircrart Corp. Ltd. | Lucknow |
| Massey-Harris Co. Limited | Main St. N., Weston |
| Metalair Products | 57 Syylvan Ave., Toronto |
| Ottava Car and Aircraft Limited | 301 Slater St., Ottana |
| Precision Machino Company | 70 Yor's St., London |
| Prenco Progress \& Eng. Corp. Ltd. | 72-74 Stafford St., Toronto |
| Reliance Aircraft \& Tool Co. Limited | 11. Water St., Belloville |
| Stanley Precision Instruments Ltd. | 587 Fleet St. W., Toronto |
| Victory Aircraft Linited ( x ) | Mal ton |
| Thiversal Moulded Producta Co. Ltd. | Belleville |
| White Canadian Aircraft Limited | Wellington St. N, Hamil ton |
| Manitoba -- |  |
| Leeder's Limited | 1371-9 Portage Ave., Winnineg |
| MacDonald Pros. Aircraft Limited | 50 Robinson St., Winnipes |
| S \& S Aiprraft Limited | 215 Watt St., Winnipag |
| Sterling Engine Works Limited | 33 Water St., Winnipeg |
| Saskrtcheman - |  |
| M \& C Aviation Co. Ltd. | P.0. Box 789, Prince Albert |
| British Colunbia - |  |
| Boeing Aircraft of Canada Limited (x) | 1927 Georgla St. W., Vancouver |
| fallace Machine \& Mfg. Co. Ltd. | 955 Kingsway, Vancouver |

(x) Assembly plants.


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