

and have produced an all-metal light aeroplane. The Armstrong-Siddeley Motors, Ltd., have established a branch in Ottawa for the service, assembly and repair of their aero engines and aircraft in Canada.

Statistics of civil aviation have been compiled from the Report on Civil Aviation (see Table 37). While these statistics are not given under provincial classifications, it may suffice to state that the greatest amount of civil flying is done in Ontario and Quebec, while the greatest amount of operational flying is carried out by the Air Force in British Columbia, Alberta and Manitoba.

37.—Statistical Summary of Civil Aviation in Canada, 1923-1928.

Items.	1923.	1924.	1925.	1926.	1927.	1928.
GENERAL ANALYSIS.						
Firms manufacturing aircraft.....	2	3	2	2	2	4
Firms chiefly operating aircraft.....	15	8	8	14	20	53
Firms using aircraft as auxiliary service..	1	2	2	2	1	1
Aircraft flights made.....	3,086	3,776	3,171	4,755	16,748	75,285
Aircraft hours flown.....	2,831	4,389	4,091	5,860	12,070	43,071
Approximate aeroplane mileage.....	47,505	21,700	29,065	30,290	209,583	1,557,917
Approximate float seaplane mileage.....	119,168	263,288	218,686	356,481	247,238	797,998
Approximate boat seaplane mileage.....	-	-	-	-	372,189	352,029
Approximate amphibian mileage.....	21,425	9,790	8,075	6,332	-	20,341
Total aircraft mileage.....	188,098	294,778	255,826	393,103	829,010	2,728,414
Average flight duration (minutes).....	55	70	77	74	43	32
Number of pilots carried.....	3,086	3,776	3,171	4,755	16,748	75,285
Number of passengers and crew carried..	2,238	5,314	4,897	6,436	18,932	74,660
Total personnel carried.....	5,324	9,090	8,068	11,191	35,680	149,954
Pilots carried one mile (pilot miles).....	188,098	294,778	255,826	393,103	829,010	2,728,414
Passengers and crew carried 1 mile (passenger-miles).....	203,500	560,175	446,648	631,715	1,424,031	2,883,782
Total personnel carried 1 mile (personnel-miles).....	391,598	854,953	702,474	1,024,818	2,253,041	5,612,196
Total freight or express carried (lb.).....	17,600	77,385	592,220	724,721	1,098,346	2,404,682
Total mail carried (lb.).....	-	1,221	1,080	3,060	14,684	316,631
LICENSED CIVIL AIR HARBOURS.						
Aerodromes (public).....	5	3	3	4	7	20
Aerodromes (private-commercial).....	12	9	10	10	10	12
Licensed for Customs.....	5	3	3	3	5	7
Seaplane stations (public).....	2	3	3	3	4	5
Seaplane stations (private-commercial).....	11	9	18 ¹	16	15	7
Licensed for Customs.....	2	2	2	2	2	2
Aerodrome-seaplane stations (private-commercial).....	1	-	-	-	-	-
Total air harbours (all types).....	31	24	34 ¹	34	36	44
LICENSED CIVIL AIRCRAFT.²						
Airdrome (single-engined).....	45	10	11	15	36	136
Aeroplanes (triple-engined).....	-	-	-	-	-	3
Float seaplanes (single-engined).....	4	1	1	-	17	120
Boat seaplanes (single-engined).....	19	20	26	28	21	33
Amphibians (single-engined).....	1	1	1	1	-	4
Total aircraft (all types).....	69	32	39	44	67	264
LICENSED CIVIL AIR PERSONNEL.						
Pilots only (flying machines).....	14	12	18	20	43	258
Pilot-Air Engineers.....	30	19	18	18	29	70
Air Engineers only (flying machines).....	186	170	55	65	74	130
Total licensed personnel.....	230	201	91	103	148	458
Unlicensed air mechanics employed.....	18	33	32	43	59	8

¹ 1925 figures include 10 outstanding applications on which fees have been paid.

² These figures show duplication, since in several instances the aircraft are used both as landplanes and seaplanes.

Military Aviation.—The Royal Canadian Air Force is responsible for all matters connected with the air defence of Canada, and consists of a headquarters at Ottawa, for administration, intelligence and organization purposes; a land training base at Camp Borden, Ont., and a seaplane training base at Vancouver, B.C.