

14-24

SUMMARY

Engines Shipped
(on an invoice basis)
by
Wright Aeronautical Division and Licensees*
From
1920 to January 1, 1964

Prepared by
Order & Contract Dept.
Sept. 1960
Revised June 1964

*Includes Curtiss Military Engine Models in the 1920-1930 Period;
all Curtiss models after consolidation of Curtiss & Wright Engine
Plants early in 1930; but no Commercial Curtiss Engines in the
1920-1930 Period.

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FORWARD

This revision of the 1960 shipment summary was made for several reasons.

- 1) to record shipments since 1960
- 2) to add shipments for the 1920-1930 period
- 3) to make other additions or corrections which have been indicated since the initial edition.

The data for the 1920-1930 period was obtained from the Order and Contract Master Shipping Record which gave the annual totals for these years. Where it was possible to identify the models shipped, this was done in this revision. These later data were obtained from the 3 original volumes, in which the assigned serial numbers were recorded. It was not possible to identify every engine type and shipping date from these records, so a "Miscellaneous" item has been included to make the sum of known models and "Miscellaneous" equal the master annual engine shipment record of Order and Contract.

This revision was jointly prepared by R. E. Johnson, Sales and C. Brautigam of Order and Contract.

SUMMARY OF MAJOR ENGINE CLASSIFICATIONS
CURTISS-WRIGHT ENGINE SHIPMENTS 1 JAN. 1920 - 1 JAN. 1964

Wright Whirlwind (all models all plants)	68,660
Wright Cyclone (all models all plants)	
C7 Total	3,545
C9 Total	119,975
C14 Total	85,374
C18 Total	<u>50,185</u>
Total Cyclone	259,079
Wright Jet and Ramjet all models all plants	10,108
Curtiss Models*	2,071
Miscellaneous Models	<u>1,220</u>
Total all models all plants	341,138**

*Commercial shipments of Curtiss prior to 1930 are not included (not available).

**This does not include a large but unknown number of C9 engines built in Russia. It also does not include over 15,000 engines built by Curtiss and Wright and their Licensees during World War I.

PART I

SUMMARY CURTISS-WRIGHT ENGINE SHIPMENTS
ALL PLANTS, ALL MODELS, ALL LICENSEES
EXCEPT CURTISS COMMERCIAL PRODUCTION PRIOR TO 1931 NOT INCLUDED

A. Wright Aero Total Production

	Start Prod.	End Prod.	To 1/1/31 Total Made	Total From 1/1/31	Total Made
Wright Model "H"	1918	1926	400	0	400
Wright Model "E"	1918	1923	323	0	323
Wright Rebuilt "Liberty"	1919	1922	10	0	10
Wright "T" Tornado	1921	1926	264	0	264
Wright "J" Whirlwind (all models)	1923	1930	3339	0	3339
Wright Marine Typhoon Tm	1925	1932	100	67	167
Wright R1750 "Cyclone"	1927	1932	517	51	568
Wright Whirlwind (R540)	1929	1937	449	79	528
Wright Whirlwind (R760)	1929	1945	358	1034	1392
Wright Whirlwind (R975)	1929	1945	864	6797	7661
Wright Cyclone "E"	7/1930	8/35	79	642	721
Wright "Gypsy" (L320)	1927	1934	46	42	88
Wright Double Whirlwind (R1510) & (R1670)	1931	1937	0		35
Wright Cyclone C7Ba (R1300)	10/46	12/63			1095
Wright Cyclone 9 (R1820F)	6/32	5/43			3673
Wright Cyclone 9 (R1820G)	4/35	9/42			4092
Wright Cyclone 9 (R1820G100)	1/37	6/43			5319
Wright Cyclone 9 (R1820G200)	3/39	5/45			22204
Wright Cyclone C9HC (R1820)	10/42	10/45			9063
Wright Cyclone C9HD (R1820)	10/45	12/61			820
Wright Cyclone C9HE (R1820)	1/50	12/63			2304
Wright C14A (R2600)	2/37	11/44			23298
Wright C14BA (R2600)	3/40	4/45			46502
Wright C14BB	2/43	1/46			15574
Wright C18A (R3350)	3/38	8/41			15
Wright C18BA (R3350)	12/41	4/47			14019
Wright C18EB (R3350)	2/43	10/45			190
Wright C18BC (R3350)	3/46	9/46			8
Wright C18BD (R3350)	2/46	10/52			1657
Wright C18C (R3350)	1/47	11/52			2233
Wright C18DA (R3350)	1/52	8/58			7823
Wright C18EA (R3350)	10/55	8/61			3236
Wright Diesel 12V142 (Utica)	1960	1961			18
Wright Diesel 12V142 (WAD)	1963	1963			2
WAD Turbo-Jet J65	1952	1958			5657
WAD Turbo-Jet YJ67	1955	1956			13
WAD Ram Jet XRJ47	1956	1957			59
WAD Turbo-Prop YJ49	1953	1955			13
WAD Afterburner (J65-W-18)	1959				25

Total WAD Production

184372

PART I (Con't)B. All Licensees All Models

	<u>Start Prod.</u>	<u>End Prod.</u>	<u>Total</u>
<u>Continental Motors</u> Whirlwind 975EC2 Tank	1941	1945	54103)
<u>Kaiser</u> Cyclone CTBA (R1300)	1952	1954	1913
<u>Lycoming</u> Cyclone CTBA (R1300)	1955	1958	537
<u>Studebaker</u> Cyclone C90200 (R1820)	1942	1945	63789)
<u>Lycoming</u> Cyclone C9HD (R1820)	1958	1958	3092
Cyclone C9HE (R1820)	1953	1958	3923
<u>Caterpillar</u> Cyclone Tank Diesel 1820	1942	1943	120)
<u>Canadian P&W</u> Cyclone C9HE (R1820)	11/57	9/60	287
<u>Dodge</u> Cyclone C18EA (3350)	1944	1945	18413)
<u>Chevrolet</u> Cyclone C18-26WA (3350)	1952	1954	1696
TC18-85 (3350)	1953	1954	895
<u>NAF</u> Whirlwind (760)	1937	1942	1127)
Whirlwind (975)	1942	1943	434
Buick Turbo-Jet J65	1952	1955	<u>4366</u>

Total Licensee All Models**154695**

PART I (Con't)C. Curtiss Engines 1920 to end production indicated

*Does not include commercial engines prior to consolidation of
-Curtiss and Wright engine facilities in early 1931.

	<u>Start Prod.</u>	<u>End Prod.</u>	<u>Total * Engines</u>
Curtiss D12 (V1150)	1922	1932	1046
Curtiss (V & GV157) Conqueror	1926	1936	933
Curtiss Challenger (R600)	1928	1935	84
Curtiss Chieftain (R1640)	1928	1929	<u>8</u>
Total*			2071

Total Curtiss in Order and Contract official record as miscellaneous
(after 1930).

D12	80	
V1570	687	
R600	<u>82</u>	
Total		849

Total Military Curtiss not in Order and Contract record 1222

Total Curtiss 2071

A. Detailed Summary of Engine Shipments by Model

See "Chart A" for additional details.

<u>Model</u>	<u>Prod. Start</u>	<u>Prod. End</u>	<u>Total Built</u>
Whirlwind J1	1923	1923	1
Whirlwind J3	1924	1924	56
Whirlwind J4	1924	1925	187
Whirlwind J4A	1925	1926	166
Whirlwind J4B	1926	1927	121
Whirlwind J5	1926	1929	2808
		Total	3339
Whirlwind J6 (540)	1929	1937	536
<u>Whirlwind R760 (WAD)</u>			
<u>Commercial</u>	5/29	1/45	1179
760-1	12/39	12/39	4
760-4	5/37	10/37	80
760-6	4/38	4/38	1
760-8	7/40	3/41	150
Total			1414
Whirlwind R760 (NAF)	1937	1942	1127
Total R760			2541
<u>Whirlwind R975 (WAD)</u>			
<u>Commercial</u>	1/29	4/45	2877
975-7	5/36	3/38	438
975-24	5/36	5/36	1
975-26	11/37	11/37	1
975EC2	1/38	1/42	754
975EC3	1/39	3/39	23
975-28	10/40	9/42	416
975-11	9/40	1/44	3197
Total			7707
Whirlwind R975 (Tank) Cont.	9/41	6/45	54103
Whirlwind R975 (NAF)	1942	1943	434
Total R975			62244
	Total All Whirlwinds		68660
<u>Cyclone 7 (R1300) Models - WAD</u>			
744C7BA1	10/46	4/47	7
990C7BA1	5/59	12/63	29
957C7BA1	1/52	4/52	6
R1300-1	2/49	8/51	605
R1300-1A	11/51	4/52	144
XR1300-2	9/49	4/50	4
R1300-2	6/51	-	5
R1300-2A	12/51	4/52	13
R1300-3	11/51	5/52	5
Total R1300 WAD			816

PART II (Con't)

<u>Model</u>	<u>Prod. Start</u>	<u>Prod. End</u>	<u>Total Built</u>	
Total R1300 WAD (from previous page)				816
Kaiser 957C7BA1	10/53	10/53	2	
Kaiser R13001A	2/52	1/53	<u>277</u>	
Total Kaiser C7				279
Lycoring R1300-2	1956	1956	5	
Lycoring R1300-3	1955	1958	375	
Lycoring R1300-4	1956	1957	27	
Lycoring 990C7BA1	1956	1957	<u>130</u>	
Total Lycoring C7				537
Willys Motors R1300-1A	12/53	2/54	927	
Willys Motors R1300-2	12/53	12/54	20	
Willys Motors R1300-3	12/53	2/54	943	
Willys Motors R1300-4	1953	1953	<u>23</u>	
Total Willys Motors C7				<u>1913</u>
Total all plants, all models, all licensees (Cyclone 7)				3545

<u>Model</u>	<u>Prod. Start</u>	<u>Prod. End</u>	<u>Total Built</u>
<u>Cyclone Series</u>			
WAD R1750 Cyclone 9	1927	8/32	568
Commercial WAD R1820 C9	7/30	8/35	108
Army WAD R1820 Cyclone 9	9/30	1932	199
Navy WAD R1820 Cyclone 9	1950	1932	414
Total R1820E			<u>721</u>
WAD 1820F	6/32	5/43	2589
WAD 1820-17	5/33	9/35	62
WAD 1820-21	5/33	5/35	70
WAD 1820-23	1/33	7/33	8
WAD 1820-25	9/33	7/36	105
WAD 1820-37	5/33	10/33	19
WAD 1820-80	12/33	1/34	2
WAD 1820-88	5/33	5/33	3
WAD 1820-04	4/34	2/35	37
WAD 1820-10	12/34	12/34	1
WAD 1820-12	5/34	9/35	14
WAD 1820-27	3/34	6/34	2
WAD 1820-31	1/34	1/34	1
WAD 1820-33	2/34	5/36	396
WAD 1820-84	1/34	7/34	56
WAD 1820-90	2/34	10/34	131
WAD 1820-08	6/35	6/35	10
WAD 1820-20	11/35	2/36	39
WAD 1820-102	5/35	6/35	10
WAD 1820-30	3/38	2/40	112
WAD 1820-36	7/39	7/39	1
WAD 1820-75	8/42	8/42	5
Total -1820F Series			<u>3673</u>
<u>1820G Series</u>			
Commercial	4/35	10/42	1547
1820-39	5/35	2/37	94
1820-22	7/26	5/39	147
1820-45	6/36	9/38	480
1820-47	10/36	2/37	40
1820-49	7/37	4/39	244
1820-51	9/37	2/40	259
1820-34	11/38	3/41	250
1820-43	3/38	3/38	1
1820-53	3/38	9/39	658
1820-55	9/38	3/39	108
1820-38	11/39	3/40	24
1820-44	12/39	3/40	21
1820-50	3/41	5/42	216
1820-77	9/42	9/42	3
Total - 1820G Series			<u>4092</u>

<u>Model</u>	<u>Prod. Start</u>	<u>Prod. End</u>	<u>Total Built</u>
<u>Cyclone Series Con't</u>			
<u>1820G100 Series</u>			
Commercial	1/37	10/42	2258
1820-28	4/37	5/37	2
1820-32	11/35	1/41	196
1820-57	4/39	2/40	117
1820-52	12/40	5/43	2640
1820-79	12/41	5/43	13
1820-89	12/41	9/42	26
1820-81	5/43	5/43	6
1820-83	7/42	7/42	1
1820-85	5/43	6/43	60
Total - 1820G100 Series			5319
<u>R1820G200 Series</u>			
1820-40	3/39	3/43	374
1820-42	9/39	4/40	2
Comm. 202A	12/39	6/45	440
1820-46	10/40	10/40	1
1820-65	2/40	8/42	4938
1820-67	8/40	8/40	1
1820-69	10/40	9/41	2
1820-73	10/40	3/41	118
Comm. 205A	2/40	3/45	3715
1820-48	1/41	1/41	1
1820-91	10/41	6/42	10
Tank G200	6/41	9/44	134
1820-40B	7/42	11/42	105
1820-60	11/42	3/44	5399
1820-71	6/42	1/44	268
1820-87	2/42	11/43	2422
1820-95	10/42	10/42	4
1820-97	7/42	10/43	3808
1820-54	5/43	5/45	462
Total - 1820G200 Series			22204
<u>Studebaker</u>			
1820-65	3/42	10/42	3504
1820-97	10/42	6/45	60285
Caterpillar 1820G200 Dieselized	1942	1943	120
<u>1820HC Series WAD</u>			
1820-56	10/42	5/44	2186
1820-62	3/43	2/45	550
1820-66	11/43	6/44	760
1820-93	2/43	10/43	40

<u>Model</u>	<u>Prod. Start</u>	<u>Prod. End</u>	<u>Total Built</u>
<u>1820HC Series WAD Con't</u>			
1820-56W	4/44	1/45	3621
1820-56WA	12/44	10/45	1162
1820-70	1/44	3/44	6
1820-72A	7/44	9/44	40
1820-72WA	12/44	5/45	270
1820-62A	1/45	10/45	428
Total -HC Series			9063

1820 HD Series

R1820-74W	10/45	3/46	12
R1820-76	10/45	8/46	27
R1820-78	3/46	7/46	4
736C9HD1	2/46	4/46	20
736C9HD3	9/46	12/46	8
R1820-76 A/B	4/49	10/52	518
R1820-101	9/49	7/50	40
R1820-103	11/50	3/53	57
977C9HD1	9/57	3/60	82
977C9HD2	1/58	4/60	47
987C9HD1	4/58	10/58	5
Total -HD Series			820

1820 HD & E Series (Lycoming)

826C9HD1	1957	1958	16
968C9HE1	1953	1953	1
982C9HE1	1955	1956	13
989C9HE1	1955	1957	52
989C9HE2	1956	1957	25
987C9HD1	1954	1957	16
977C9HD1	1955	1957	123
R1820-76A HD	1952	1957	295
R1820-76B HD	1952	1954	693
R1820-80	1954	1955	23
R1820-82	1953	1958	2242
R1820-84	1954	1958	1494
R1820-84B	1957	1958	73
R1820-86 HD	1953	1957	1035
R1820-103 HD	1952	1957	914
Total - C9HD & E			7015

1820 HE Series WAD

989C9HE1	10/56 thru	8/62	429
989C9HE2*	10/56 thru	8/63	285
982C9HE2-	5/57	1/60	25
998C9HE1	9/59	-	2
968C9HE1	12/50	-	2
968C9HE2	1/50	8/50	11
998C9HE2	9/62	6/63	12

*Will change because continues in production on 1/64.

<u>Model</u>	<u>Prod. Start</u>	<u>Prod. End</u>	<u>Total Built</u>
<u>1820 HE Series WAD Con't</u>			
R1820-80	12/50	12/52	266
R1820-82	4/52	1/53	14
R1820-88	8/57	7/59	19
R1820-82WA	7/59 thru	8/60	266
R1820-84A	6/59 thru	10/61	175
R1820-84B	4/59 thru	6/61	142
R1820-82A*	9/60	12/63	529
R1820-84C*	11/61	12/63	119
R1820-84D.	11/61	10/63	8
Total C18HE			<u>2304*</u>

*Will change because continues in production on 1/64.
Canadian P&W C9HE(R1820)

C14 Series A

Total All C9

287

119975

<u>Commercial</u>	5/37	9/43	8808
2600-1	2/37	2/37	1
2600-2	4/37	4/37	1
2600-4	4/38	10/38	3
2600-3	4/39	2/40	164
2600-6	2/39	6/40	55
2600-5	3/40	6/40	3
2600-1	2/40	11/42	3258
2600-6A	5/41	8/41	24
2600-19	7/42	12/43	639
2600-23	3/42	11/44	<u>10342</u>
Total -2600A Series			<u>23298</u>

C14BA Series

2600-7	3/40	9/41	217
<u>Commercial</u>	9/40	11/40	4
2600-8	4/40	5/44	11410
2600-9	4/41	12/41	522
2600-8A	2/41	9/42	233
2600-10	5/41	5/42	9
2600-12	4/41	9/44	1461
2600-13	4/41	1/44	<u>13494</u>
2600-15	6/42	6/42	1
2600-16	12/41	4/42	2
2600-17A	6/41	7/41	4
2600-14	7/43	7/43	1
2600-29	6/43	7/45	18784
2600-31	8/43	4/45	<u>360</u>
Total -2600BA Series			<u>46502</u>

C14BB Series

2600-20	2/43	10/45	14620
2600-22	3/43	7/44	880
742C14BB1	5/46	11/46	65
742C14BB3	1/46	1/46	9
Total -C14BB Series			<u>15574</u>

Total All C14

85374

<u>Model</u>	<u>Prod. Start</u>	<u>Prod. End</u>	<u>Total Built</u>
<u>C18A Series</u>			
3350-1	3/38	4/38	2
3350-2	4/38	4/38	1
3350-4	5/39	11/40	6
3350-5	7/39	8/41	6
Total C18A Series			15

<u>C18BA Series</u>			
3350-8	12/41	8/42	4
3350-13	1/42	7/43	50
3350-14	1/41	3/41	2
3350-18	12/42	5/43	12
3350-19	12/42	9/44	31
3350-21	11/42	4/44	147
3350-35	8/42	10/44	58
3350-37	8/42	9/45	6
3350-23	2/43	3/44	1265
3350-39	3/43	3/43	1
3350-41	1/43	9/44	26
3350-23A	2/44	7/45	6059
3350-35A	10/44	9/45	181
3350-57	9/44	11/45	5379
3350-59	10/44	6/45	376
739BA2	9/45	6/46	232
745BA1	10/45	1/46	149
745BA3	6/46	4/47	41
Total - C18BA Series			14019

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- all to LAC (out)

all to LAC

all to LAC 046914

<u>C18BB Series</u>			
3350-10	2/43	5/43	2
3350-14	11/43	1/45	76
3350-17	3/43	3/43	1
3350-43	10/43	11/44	8
3350-8	3/41	10/45	102
3350-16	4/42	4/44	1
Total - C18BB Series			190

<u>C18BC Series</u>			
R-3350-65	3/46	9/46	8
Total - C18BC Series			8

<u>C18BD Series</u>			
R3350	-	-	-
749BD1	2/46	10/52	939
R3350-24W	4/45	1/48	694
R3350-75	12/48	1/49	9
YR-3350-75	11/49	4/50	15
Total - C18BD Series			1657

<u>Model</u>	<u>Prod. Start</u>	<u>Prod. End</u>	<u>Total Built</u>
<u>C18BA Series - Dodge</u>			
3350-23A	1/44	9/45	16427
3350-57	1/45	9/45	1579
3350-57A	1/45	9/45	407
Total Dodge			<u>18413</u>
<u>C18C</u>			
R-3350-26W	1/47	6/48	304
26WA	7/48	10/52	1658
26WB	12/55	11/56	92
861C18CA2	3/50	1/51	32
956C18CA1	11/50	4/52	83
975C18CB1	1/52	11/52	64
Total - C18C			<u>2233</u>
<u>Chevrolet</u>			
R-3350-26WA-26WB	1952	1954	1696
<u>C18DA Series</u>			
972TC18DA1	1/52	2/55	597
DA2	8/52	12/54	374
DA3	10/54	8/58	614
DA4	11/54	1/58	642
YR-3350-30W	12/49	3/50	7
R-3350-30W	3/50	12/51	552
-30WA	11/51	3/54	1348
-30WB	9/52	4/53	61
-34	6/52	9/57	1640
-77	4/50		1
-85	9/51	5/54	1500
-89	1/55	3/55	24
-91	5/55	8/56	463
Total - C18DA Series			<u>7823</u>
<u>Chevrolet - C18DB</u>			
R3350-85	1953	1954	895
<u>C18EA Series</u>			
988TC18EA1	10/55	9/58	903
EA2	6/56	11/58	283
EA3	1/56	7/58	294
EA4	9/57	7/58	159
EA6	12/57	12/58	80
R-3350-32W	8/53	7/61	1288
981TC18EA1	1/56	4/59	201
R3350-32WA	5/61	8/61	28
Total - C18EA Series			<u>3236</u>

Total All C18

Total All Cyclones (7, C9, C14, C18)

50185
259079

<u>Model</u>	<u>Prod. Start</u>	<u>Prod. End</u>	<u>Total Built</u>
Turbojet			
YJ65W1	4/52	11/53	292
W1A	5/53	4/54	419
W2	8/53	4/54	23
W3	3/54	12/54	307
W4	1/55	10/55	484
YJ65W4	6/54	9/54	119
W4A	10/54	2/55	195
W4B	12/55	5/56	188
W5	7/53	8/56	1126
W6	3/55	4/55	3
XJ65W6	9/55	12/55	16
J65W7	4/54	7/56	862
W14	2/55	9/55	12
W16	6/55	10/55	55
W16A	12/55	12/58	1288
YJ65W18	2/56	6/56	47
J65W18	3/56	10/57	221
Total - Turbojet			5657
Licensee (Buick)			
J65B3&B7	1952	1955	4366
Total - Licensee (Buick)			4366
Turbojet			
WAD-YJ7W-1	7/55	9/56	13
Total - Turbojet			13
Ramjet			
XRJ47-W5	4/56	11/56	23
XRJ47-W9	8/56	3/57	36
Total - Ramjet			59
Turbo-Prop			
YT49	8/53	9/55	13
Total - Turbo-Prop			13
	Total Jet - Ramjet		10108
(Afterburners for J65-W18 engine)	3/59	7/59	25
WAD Turbo Supercharger	1942	1945	1015
Diesel Engines			
12V142A-0 (Utica)	1960	1961	18
12V142A-2 (WAD)	1963	1963	2
Total Diesel Engines			20

B. Curtiss Engine Production contains military production only in the 1920 through 1929 period. Wright and Curtiss merged in 1929 and the two engine plants were consolidated at Paterson, N. J. early in 1931. No data on Curtiss commercial engine production has been located for period prior to merger date 1929. All Curtiss engines after 1930 are included in WAD shipments. The following data was obtained from Mr. Latham's early Military Engine Contract Shipment records.

	D12 (V1150)	Conqueror V1570	H 1640	R600 Challenger
1920 A N				
1921 A N				
1922 A N	6			
1923 A N	61 105			
1924 A N	41 22			
1925 A N	37			
1926 A N	70	3 2		
1927 A N	206	6	1	
1928 A N	164	11		1
1929 A N	122	45	5 2	1
1930 A N	132	179		
Total prior 1/1/31	966	246	8	2
Total after 1/1/31	80	687		82
Total Model	1046	933	8	84
	1922 to 1932	1926 to 1936	1927 to 1929	1928 to 1935

CHART A

Summary of Wright Engine Shipments 1920 - 1930
 No Curtiss Engines Included Except Military for Year 1930

Model	"H"	"E"	Liberty	"T"	"J"	"Tm"	R 1750	R 540	R 760	R 975	R 1820 "E"	Misc Models	Official O & C Total	Source
1920	5	106										0	111	(a) Original WAD Serial No. Books of O&C #1, 2 & 3
1921	140	84	10									0	234	
1922	243			3								5	251	(b) Latham Summary Books #1 for Navy Shipments #1 for Air Corps Shipments
1923	8	127		43	1							3	182	Gives Contract No., Sales No. & Shipping date of both Curtiss and Wright Engines.
1924	1	5		82	92							2	182	
1925				84	268	7						6	365	(c) Latham's Lefax Monthly Shipment Summary published 1939 & 1940
1926	3	1		52	263	14						33	366	
1927					603	11	8					1	623	(d) Checked against engines development summary in Aeronautical Chamber Year Book
1928					1510	22	111					1	1644	
1929					602	30	169	432	196	674		45	2148	Notes:
1930						16	230	25	162	190	79	74	776	(a) Totals agree with O&C Master Book.
Total	400	323	10	264	3339	100	518	457	358	864	79	170	6882	(b) Some of details estimated in 1920 - 1923 to give total.

Engines 1922 include 1-D1, 3 R1 and 1 unknown.
 Misc. engines 1923 include 2 D1, 1 LA.
 Misc. engines 1924 include 2 EM.
 Misc. engines 1925, include 1 EM, 2 LA, 3 P1.
 Misc. engines 1926 include 4 EM, 1 LA, 14 P2 < 8WM80, 6R1200.
 Misc. engines 1927 include 1 WM80.
 Misc. engines 1928 include 1 R1200.
 Misc. engines 1929 include 10 V1460, 18 Gypsy, 17 unknown.
 Misc. engines 1930 include 28 Gypsy, 4 V1460, 24 V1570 15 D12, and 3 unknown.

(c) "H" & "E" engines were developed
 from World War I Hissco's and were
 produced prior to 1920.

TABLE ICURTISS-WRIGHT COMMERCIAL ENGINES
APPROVED TYPE CERTIFICATE DATA

<u>ATC #</u>	<u>DATE</u>	<u>ENGINE</u>
5	7/26/28	Curtiss Challenger R600
6	8/31/28	Curtiss Conqueror V1550
7	9/13/28	Curtiss Conqueror GV1570
8	9/13/28	Curtiss Chieftan H1640
10	10/11/28	Curtiss D12 V1150
13	1/26/29	Wright J5 Whirlwind
17	1/26/29	Wright Cyclone R1750A
21	2/15/29	Wright J6 R975
23	3/27/29	Wright J6 R540
26	7/9/29	Wright J6 R760
40	1/9/30	Wright Gypsy L320
61	9/8/30	Wright Cyclone R1820E
64	10/29/30	Wright J6 R975 (modified gears)

Aeronautical Chamber of Commerce
Source: Year Book 1931

PART IIIMiscellaneous Engine Model Records

In the Master Record of Order and Contract, the yearly engine shipment total given for 1937 and prior years includes a number of engines called "Miscellaneous" without a model identification. Many of these engines can be identified from existing data as follows:

1921 Chart I identifies all shipments.
 1922 Chart I identifies all shipments but one unknown.
 1923 Chart I identifies all shipments.
 1924 Chart I identifies all shipments.
 1925 Chart I identifies all shipments.
 1926 Chart I identifies all shipments.
 1927 Chart I identifies all shipments.
 1928 Chart I identifies all shipments.
 1929 Chart I identifies all shipments, but 17 unknown.
 1930 Chart I identifies all shipments, but 3 unknown.
 1931 Table II identifies all shipments.
 1932 Table II identifies all shipments.
 1933 Table II identifies all shipments.
 1934 Table II identifies all shipments, but one unknown.
 1935 Table II identifies all shipments, but two unknown.
 1936 Table IX identifies all shipments, but one unknown.
 1937 Table II identifies all shipments, but one unknown.

Order and Contract Record after 1937 does not show "Miscellaneous Engines."

Table IIYear 1931

Order and Contract Master Misc. - 406

<u>Shipments</u> - V1460	2
R1510	1
R600	47
D12(V1150)	70
Conqueror (V1570)	216
L320	25
Tm (Marine)	65
Total	<u>426</u>

There is a discrepancy here believed to be caused by the Curtiss Engine Shipments which were handled out of WAD for the first time this year. There were no unidentified engines in the Order and Contract record.

Year 1932

Order and Contract Master Misc. - 294

<u>Shipments</u> -	R600	5
	R1510	6
	D12	2
	V1570	281
	Tm	2
	Total Misc.	<u>296</u>

Unidentified - None

Year 1933

Order and Contract Master Misc. - 47

<u>Shipments</u> -	R1510	12
	V1570	25
	L320	11
	Total	<u>48</u>

Unidentified - None

Year 1934

Order and Contract Master Misc. - 101

<u>Shipments</u> -	R1510	2
	V1570	63
	R600	29
	L320	6
	Total	<u>100</u>

Unidentified - one.

Year 1935

Order and Contract Master Misc. - 19

<u>Shipments</u> -	R1510	4
	V1570	12
	R600	1
	Total	<u>17</u>

Unidentified - two

Year 1936

Order and Contract Master Misc. - 95

<u>Shipments</u> -	R1510	8
	V1570	90
	Total	<u>98</u>

Unidentified - none

PART III (Con't)Year 1937

Order and Contract Master Misc. - 3

Shipments - R1510 2

Unidentified - one

There are small discrepancies in these data which are believed to be caused by the handling of experimental engines to Engineering.