

Motor

Wright motors included the original motor of 1903, an improved version used in the flights of 1904, a four-cylinder motor used in most Wright airplanes from 1908 until 1912, the eight-cylinder motor used in the Model R airplane at Belmont Park in 1910, and the six-cylinder motor, the last produced by the Wright Company, which was in general use after 1913.

View of the magneto side of the Wright four-cylinder motor as exhibited at the Second Annual Exhibition of the Aero Club of America in New York, December 1-8, 1906.

ACANA facing xxxv; Ballooning and Aeronautics, v. 1, Feb. 1907: 62; PEPHO facing 40; Sci Am, v. 95, Dec. 15, 1906: 449. Similar: Aero, v. 1, Nov. 5, 1910: 15; Aero Manual, 1909: 147; Aero Manual, 1910: 187; Aerosphere, 1939: 829; Allg Auto Zeit, v. 10, Mar. 26, 1909: 40; ANMAD 152; Flight, v. 1, Mar. 20, 1909: 161; GSIA 206; Rivista Tecnica di Aeronautica, v. 6, no. 3, 1909: 116; VOMLF III

Series of six views of the Wright four-cylinder, 30-h.p. motor as used in the Wright 1909 military airplane.

SMIN A36,895-SMIN A36,895-E

Wright development motor no. 3, 1904-6, showing auxiliary exhaust port, and separate one-piece water-jacket block.

HWBETD 3I

Right side view of the Wright four-cylinder motor used in the Wright 1909 military airplane.

SMIN A9900-A; SMIN 36,895-D

Magneto side of the Wright four-cylinder motor used in 1911.

LC-W86-93; LC-W86-94. Similar: HWBETD 26a

Left side front view of reconstructed Wright brothers' 1903 motor.

LC-W86-59; MCFWP 225; BLASF facing 64; EWBNM 33; Schweizer Aero-Revue, v. 28, Dec. 1953: 422; SMIN A38,496-G; SMINAR 1961: b. 358-359; WIGLIG b. 548-549; YPHA 32. Similar: ASHWB 38; Bee-Hive, v. 28, Jan. 1953: 7; HAWBHP 66 HWBETD 6; HGCA 53; NOZWBC facing 116; SMIN 38,626-B; TAYAP 12

Left rear underside view of Wright brothers' 1903 motor showing valve gear, camshaft, and flywheel.

Bee-Hive, v. 28, Jan. 1953: 8; HFGAUBTW 15; HWBETD 7; Science Museum 558/38; SMIN 38,626-F

Wright 1903 motor shown with the crankcase cover removed.

Bee-Hive, v. 28, Jan. 1953: 10; SMIN A38,626-H

Underside view of reconstructed Wright 1903 motor.

LC-W86-58; MCFWP 226; MARWBC 10; SAE Q Trans, v. 5, Jan. 1951: 9; SMIN 41,898-C; SMINAR 1961: b. 358-359

Views of cylinder, valve box, and gear mechanism for the Wright 1903 motor.

Bee-Hive, v. 28, Jan. 1953: 8; HWBETD 23; SMIN 38,628-G

Wright 1903 motor installed in the Wright 1903 airplane as exhibited in the Science Museum, London.

HWBETD 11

Center section view of Wright 1903 airplane when returned from England, 1948, showing controls and motor.

JUDAE facing 62; SMIN 32,125-F

Center section view of Wright 1903 airplane when returned from England, 1948, showing motor, controls, radiator, gas tank, and instruments.

Bee-Hive, v. 28, Jan. 1953: 9; MARWBC 9; Schweizer Aero-Revue, v. 28, Dec. 1953: 423; SMIN A38,387-C; SMIN 38,388; SMINAR 1961: b. 358-359

View of flywheel end of Wright motor at Carillon Park Museum, Dayton.

HWBETD 37d; SMIN A3773

Magneto side of Wright four-cylinder motor with crankcase cover removed.

HWBETD 37d

Left side view of Wright four-cylinder motor, 1909.

Aerosphere, 1939: 829; Aerosphere, 1943: CXXXVII; ANGAE: 522; SAE Q Trans, v. 5, Jan. 1951: 11; SMIN 9900-B

Left front view of center section of Wright 1903 airplane when returned from England, 1948, with close-up view of controls, anemometer, stop watch, instrument assembly, and motor valves.
SMIN 38,387-E; SMIN 38,388-B

Rear view of Wright four-cylinder motor as installed in Wright 1903 airplane.
LC-W86-61; LC-W86-62; COCKDH following 168; DOBOHA 171; EWBNM 36; JOHHU 233

Rear view of Wright 1903 motor in shop, January 1, 1928, before its shipment to the Science Museum, London, on January 31, 1928.

LC-W86-60

Full right side view of Wright 30-h.p. motor manufactured by French firm Bariquand et Marre in 1908 as exhibited in the Musée de l'air, Paris.

Pionniers, v. 8, Apr. 25, 1971: 89

Full right side view of 30-h.p. Wright Bollée motor, 1909.
Science Museum 1382

Front and rear views of the Wright motor manufactured in Germany by the Neue Automobil-Gesellschaft at Oberschöneweide, as installed in a Wright airplane.

Zeitschrift der Verein der Deutscher Ingenieure, v. 54, May 1928: 888

Five views of the Wright 32-h.p. motor manufactured in Germany for the Flugmaschine Wright in 1910.

FWGWA 7-8

Charles Taylor's half-scale model of the Wright brothers' 1903 motor now in Wright brothers' collection in Greenfield Village, Dearborn, Mich.

SMIN 38,497-D

Reproduction of the Wright 1903 motor as mounted in a reproduction of the Wright 1903 airplane at the Wright Brothers National Memorial at Kitty Hawk, N.C.

HWBETD front.

Replica of the Wright 1903 four-cylinder motor in the Science Museum, London.

Aeroplane, v. 85, Dec. 18, 1953: 827

Series of six views of the Wright 6-60 motor, the six-cylinder motor in general use in Wright airplanes after 1913.

SMIN 44,091 - SMIN 44,091-E

Right side view of the Wright 6-60 motor.

Aeronautics, v. 13, Oct. 1913: 141; Aerosphere, 1939: 829; Aerosphere, 1943: CXLIII; ANGAAE 523; HWBETD 56; WCWAM 6-60: 2

Views of the Wright 6-60 motor: push-rod side, valve-port side, and crankcase with sump removed.

HWBETD 49; SMIN A3773-A; SMIN 45,598

View of the Wright 6-60 motor: cylinder assembly and valve parts; bottom side of piston; piston, piston pin, and connecting rod; valve mechanism; crankshaft; and flywheel.

HWBETD 52

View of Wright 6-60 motor mounted in Wright airplane.

Aero and Hydro, v. 7, Nov. 15, 1913: 87

View of Wright six-cylinder motor mounted in Wright model CH airplane, 1913.

SMIN 38,530-B

Charles Taylor and Fred A. Marshall photographed at ends of the Wright 6-60 motor.

Airway Age, v. 9, Dec. 1928: 38. Similar view of motor only: USAF 42110

Exhaust side view of Wright six-cylinder 6-70 motor with flexible flywheel drive.

HWBETD 56; SMIN A54,581

View of special Wright eight-cylinder motor used on the Wright model R airplane in International Aviation Tournament, Belmont Park, N.Y., October 1910.

MCFWP 229

View of intake side of Wright eight-cylinder motor.

HWBETD 48

Exhaust side view of Wright eight-cylinder motor.

HWBETD 48; SMIN 48,598

Close up rear view of Wright eight-cylinder motor, radiator, gas tank, and chain guide as used in Wright model R, 1910.

SMIN 42,668

Wright brothers' shop engine, 1901, showing governor and exhaust valve cam.

HWBETD 65