

16" TAPERED KINGPOSTS

52' 9 3/8" O. A. SPAN

20' 8"

3/4" Approx.

AILERON CONTROL LINES

EYELET GUIDE FOR CONTROL CABLE

CARBURETOR HEAT PICKUP FROM COLLECTOR RAM AIR TUBE OVER EXHAUST PIPES

BOTH WINGS

WING GAP 62.5"

10' 8 1/2"

STANDARD JN-4 RADIATOR, PRODUCTION MODELS USED SPECIAL ROUND RADIATORS 43 1 3/4"

RADIATOR OMITTED TO SHOW LOCATION OF ENGINE

32 x 4.5" TIRES

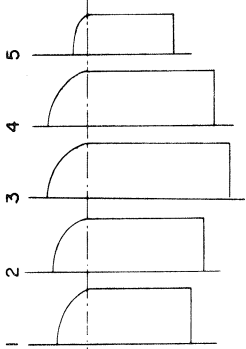
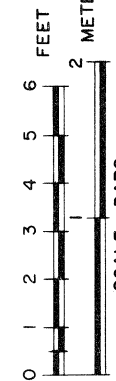
DIHEDRAL VARIED ON PRODUCTION TWIN-JN, SOME AS MUCH AS 4°

59 1/2"

5 1/2"

34"

EIFFEL 36 AIRFOIL (TWICE SCALE)



COLORING NOTES

ORIGINALLY ENTIRE AIRCRAFT CLEAR DOPED ALUMINUM AREAS LEFT NATURAL METAL PAINTED OLIVE DRAB LATER BUT FABRIC REMAINED CLEAR. NO NATIONAL INSIGNIA EMPLOYED.

SHEET ALUMINUM WRAP AROUND TO FORM NOSE SECTION

DATUM & THRUST

FUSELAGE ALUMINUM COVERED AFT TO LINE (X)

AIRFOIL DIFFERS FROM THAT SHOWN ABOVE IN THAT CURTISS MODIFIED LEADING EDGE WITH A HEAVIER SPAR AND PLY COVERING PLUS EXTRA FABRIC AND DOPING.

1' 2 1/2"

3' 0 1/2"

14' 9"

29' 4"

59 1/2"

TACHOMETER

INC. 2°

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CURTISS MODEL R RUDDER WITH MODIFIED R FIN

INDEPENDENT TAIL POST & SKID

BUNGEE CORD



CURTISS TWIN-JN

(1916-17)

SCALE 1:48

DRAWN BY: PAUL R. MATT

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THIS DRAWING PORTRAYS THE ORIGINAL TWIN-JN AS AT THE CURTISS FACILITIES, NEWPORT NEWS, VIRGINIA, SPRING 1916 AND LATER SENT NEW MEXICO

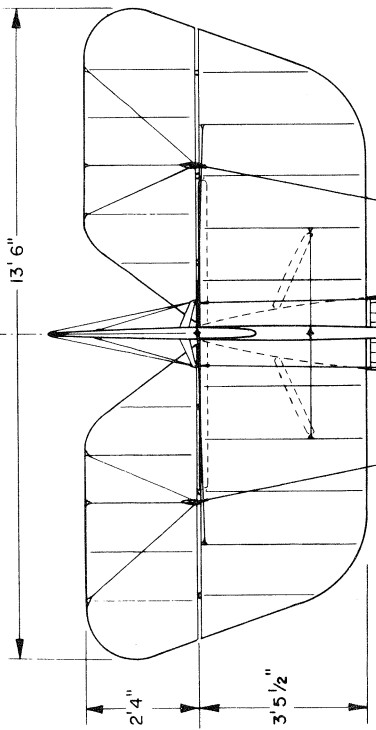
NOTE: OUTER WING PANELS OMITTED IN SIDE VIEW

GENERAL SPECIFICATIONS
 WEIGHT EMPTY 2110 lbs.
 USEFUL LOAD 1040 "
 GROSS WEIGHT 3150 "
 USEFUL LOAD ACCREDITED TO
 FUEL 650 lbs.
 OIL 60 "
 PILOT 165 "
 PASSENGER 165 "
 TOTAL 1040 "

(MILITARY LOAD NOT ACCOUNTED FOR IN CURTISS SPECIFICATIONS)
 MAXIMUM SPEED 85 m.p.h.
 LANDING SPEED 48 "
 CRUISING SPEED 75 "
 RATE OF CLIMB 600 miles (approx.)
 400 ft. per min.
 SERVICE CEILING (4,000 in 10 min. average)
 WING AREA (incl. ailerons) 415 sq. ft. TOTAL

PROTOTYPE, PRIVATELY BUILT, SPRING 1916, SHIPPED TO NEW MEXICO
 PRE-PRODUCTION, NATIONAL GUARD, 5/15/16
 FIRST ARMY SIGNAL CORPS CONTRACT (51-43) S/N 102-107
 DELIVERED TO COLUMBUS, NEW MEXICO, JULY-AUG. 1916
 SECOND ARMY CONTRACT (61-91), S/N 428 TO MINEDOLA, L.I., 2/17/17
 THIRD ARMY CONTRACT (6500) AS S/N 470 CANCELLED 1/15/18
 U.S. NAVY CONTRACT (ONA 35-16) S/N A-93
 SECOND NAVY CONTRACT CR-65 (ONA 35-16) S/N A-198
 TOTAL BUILT 11

MODIFIED CURTISS
 MODEL R TAIL SURFACES



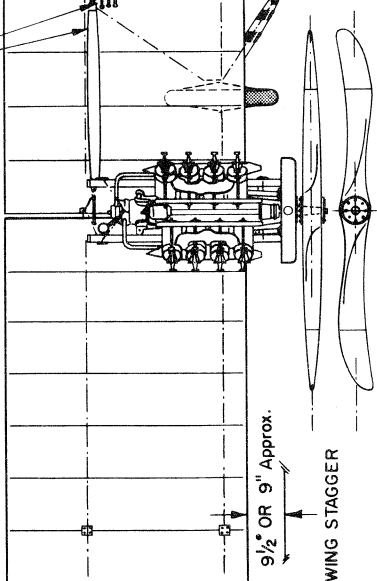
REMOVABLE AFT
 DECKING FOR
 INTERIOR ACCESS

JN-4 WINGS WITH INBOARD
 MODIFICATIONS & ADDED
 CENTER SECTION

CURTISS OXX ENGINE -
 RATED 100 H.P. EACH AT 1400 r.p.m.
 OIL CAPACITY - 4 qts. PER ENGINE
 CARRIED IN CRANKCASE

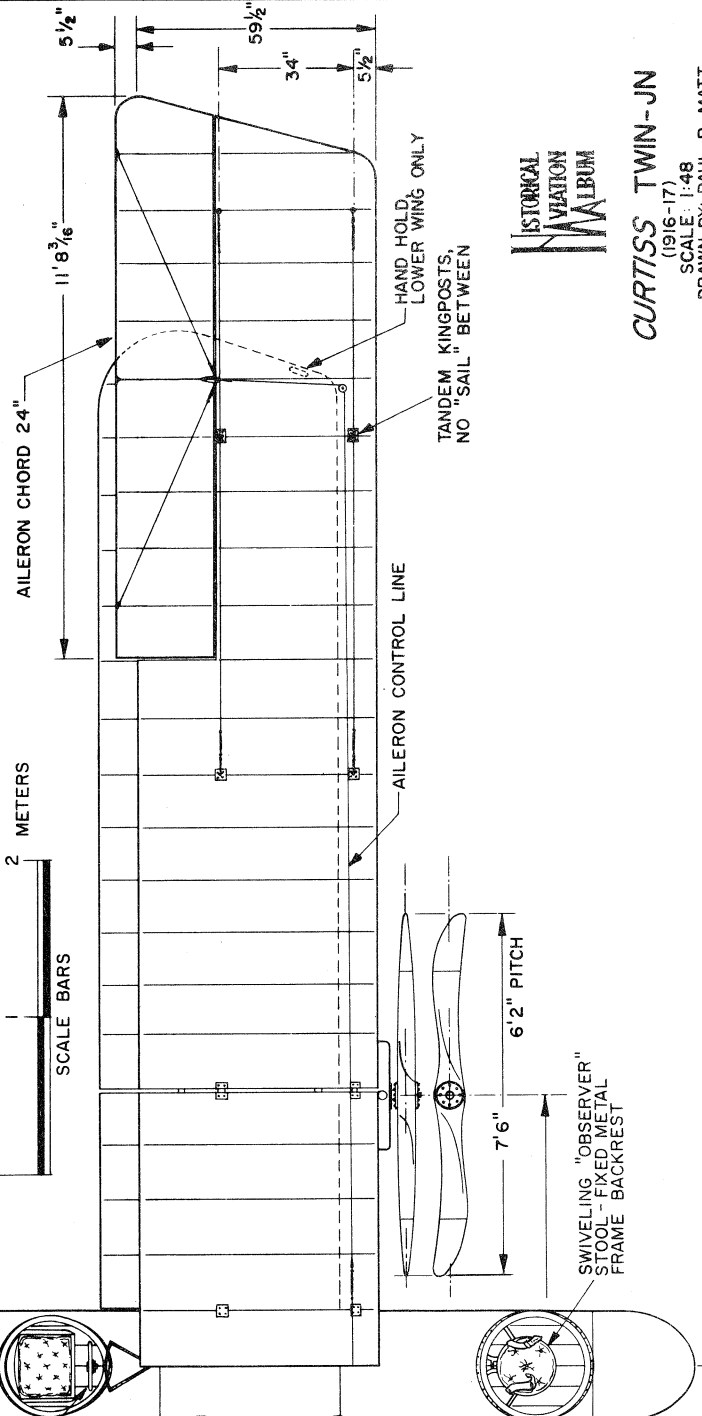
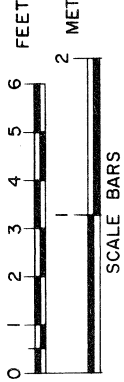
CURTISS D.E.P.
 CONTROLS

FUEL LINES
 BRACING STRUT



NOTE: COUNTER ROTATION OF
 PROPELLERS TO OFFSET
 TORQUE
 RIGHT MOTOR - CLOCKWISE
 LEFT MOTOR - COUNTER CLOCKWISE

FUEL TANK AT C. G.
 (105 gals. cap.)
 LOCATED IN THREE
 SEPERATE TANKS



SWIVELING "OBSERVER"
 STOOL - FIXED METAL
 FRAME BACKREST



CURTISS TWIN-JN
 (1916-17)

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