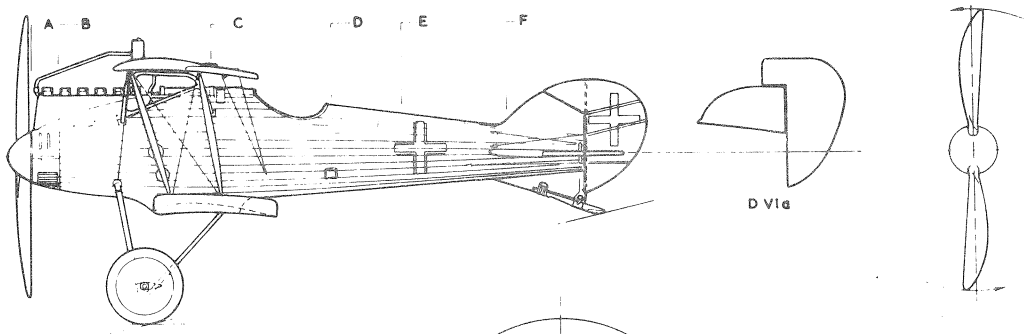
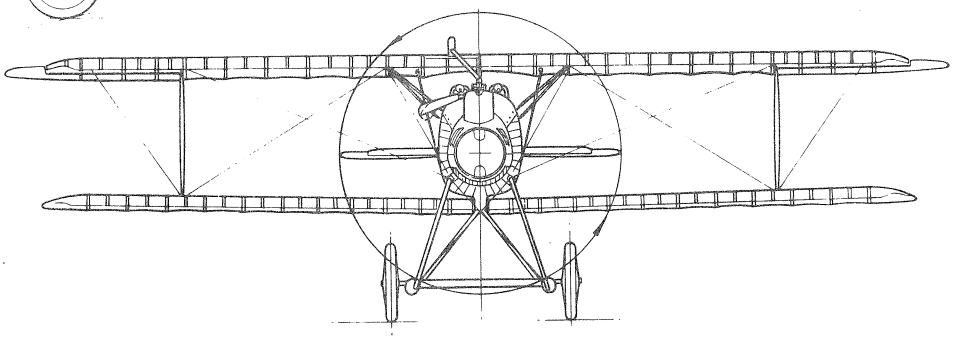
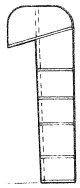
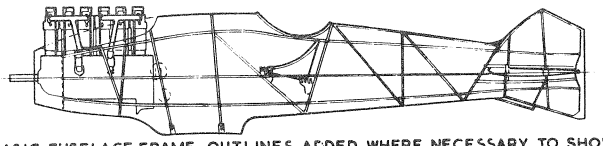


D VIa

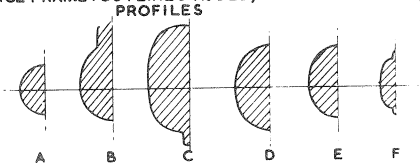


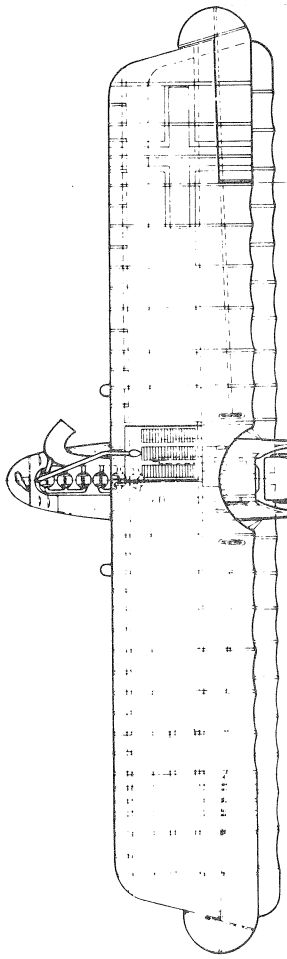


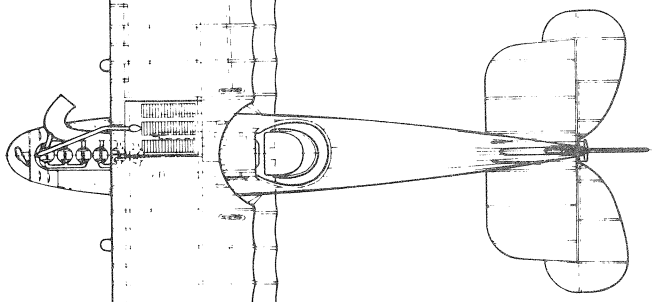
D VI a AILERON, ALSO ON SOME D VI b

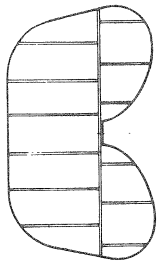


BASIC FUSELAGE FRAME. OUTLINES ADDED, WHERE NECESSARY, TO SHOW PROFILES









DVIa TAILPLANE, ALSO ON SOME D VI b

COLOUR DETAILS

"Ex works" **D** VIb's had wings and tailplane covered with losenge printed fabric dyed in shades of dark green, light green, maroon, indigo and ochre on the top surfaces. On the undersurfaces similar shades, but of considerably lighter hue and tone were used, *i.e.*, pink replaced maroon, cobalt for indigo, etc. Rib tapes were of a light blue shade, the rudder was covered with plain linen fabric.

The "clinker" strips of the fuselage were in their natural spruce finish, as was the ply covered fin; both were well covered with a transparent protective varnish, which resulted in a warm straw shade. The spruce interplane struts were the same colour. Undercarriage struts, centre-section struts and metal nose panels were painted medium grey. Wheel discs, of light gauge metal, were lozenge painted to match the fabric.

DATA

Manufacturer: Luft Fahrzeug Gesellschaft, Charlottenburg
Purpose: Single-seat scout biplane
Power: Benz Bz IIIa developing maximum of 200 h.p.
Span:
Upper—9,400 mm. (30 ft. 10⅛ in.)
Lower—8,676 mm. (28 ft. 5⅝ in.)
Chord:
Upper—1,400 mm. (4 ft. 7⅛ in.)
Lower—1,200 mm. (3 ft. 11¼ in.)
Length: 6,322 mm. (20 ft. 8 in.)
Dihedral 3 deg. lower wing only
Speed: 200 km. per hr. (125 m.p.h.)
Climb:
1,000 m. in 2½ min.
3,000 m. in 9 min.
6,000 m. in 28 min.
6,400 m. in 36 min. (ceiling)
Weight empty: 640 kg.
Useful load: 180 kg.
Armament: Twin fixed machine guns synchronised to fire through airscrew disc.

N.B.—Above German performance figures are average. Airscrews of differing pitch (and shape) were fitted according to the performance required, *i.e.*, high speed or fast rate of climb, etc., and fitting of same was at the discretion of the pilot. Performance figures for a D VIb tested in the U.S.A. after the war were:
Climb to:
6,500 ft. in 6½ min., speed 114 m.p.h.
10,000 ft. in 11½ min., speed 108 m.p.h.
15,000 ft. in 24 min., speed 99 m.p.h.
17,400 ft. in 38½ min., speed 90 m.p.h. (service ceiling)
19,000 ft. (absolute ceiling)

L.F.G. ROLAND DVIb PROD'N

FT.