

SOPWITH "SCHNEIDER"

by JOHN SIMMANCE

MATERIALS REQUIRED

BALSA SHEET

- 1/32 in. sheet:
 - 2 off 36 x 3 in. quarter grain. (Floats.)
 - 1 off 36 x 3 in. soft. (Tail profile laminations.)

1/16 in. sheet:

- 4 off 36 x 3 in. quarter grain. Ribs, etc.
- 1 off 36 x 3 in. soft. Sheeting, etc.
- 1 off 36 x 6 in. hard. Formers, etc. (Or 2 x 3 in. butt-jointed along edges.)

1/8 in. sheet:

- 1 off 36 x 4 in. quarter grain. Fuselage sides, etc.
- 1 off 36 x 6 in. hard. Formers, etc. (Or 2 x 3 in. butt-jointed.)
- Scrap sheet for strut fairings, etc.

1/4 in. sheet:

- Scrap, for float formers 1 and 7, and for laminating cowling.

PLY

- 1/32 in. ply: 12 x 40 in.
- 1/16 ply: 6 x 8 in.
- 1/8 in. ply: 3 x 5 in.

BALSA STRIP

- 2 off 1/16 x 1/8 x 36 in. Stringers.
- 11 off 1/8 in. sq. x 36 in. Hard.
- 3 off 1/8 x 3/16 x 36 in. Hard.
- 1 off 1/8 x 1/4 x 36 in. Hard.
- 3 off 3/16 sq. x 36 in. Hard.
- 2 off 1/4 sq. x 36 in. Hard.

HARDWOOD STRIP, ETC.

- 3 off 1/8 in. sq. x 36 in. Spruce, Longerons, etc.
- 12 x 3/8 x 3/8 in. Hardwood. (Bearers.)

WIRE

- 4 off 36 in. x 22 S.W.G.
- 1 off 36 in. x 16 S.W.G.
- 3 off 36 in. x 14 S.W.G.
- 3 off 36 in. x 12 S.W.G.

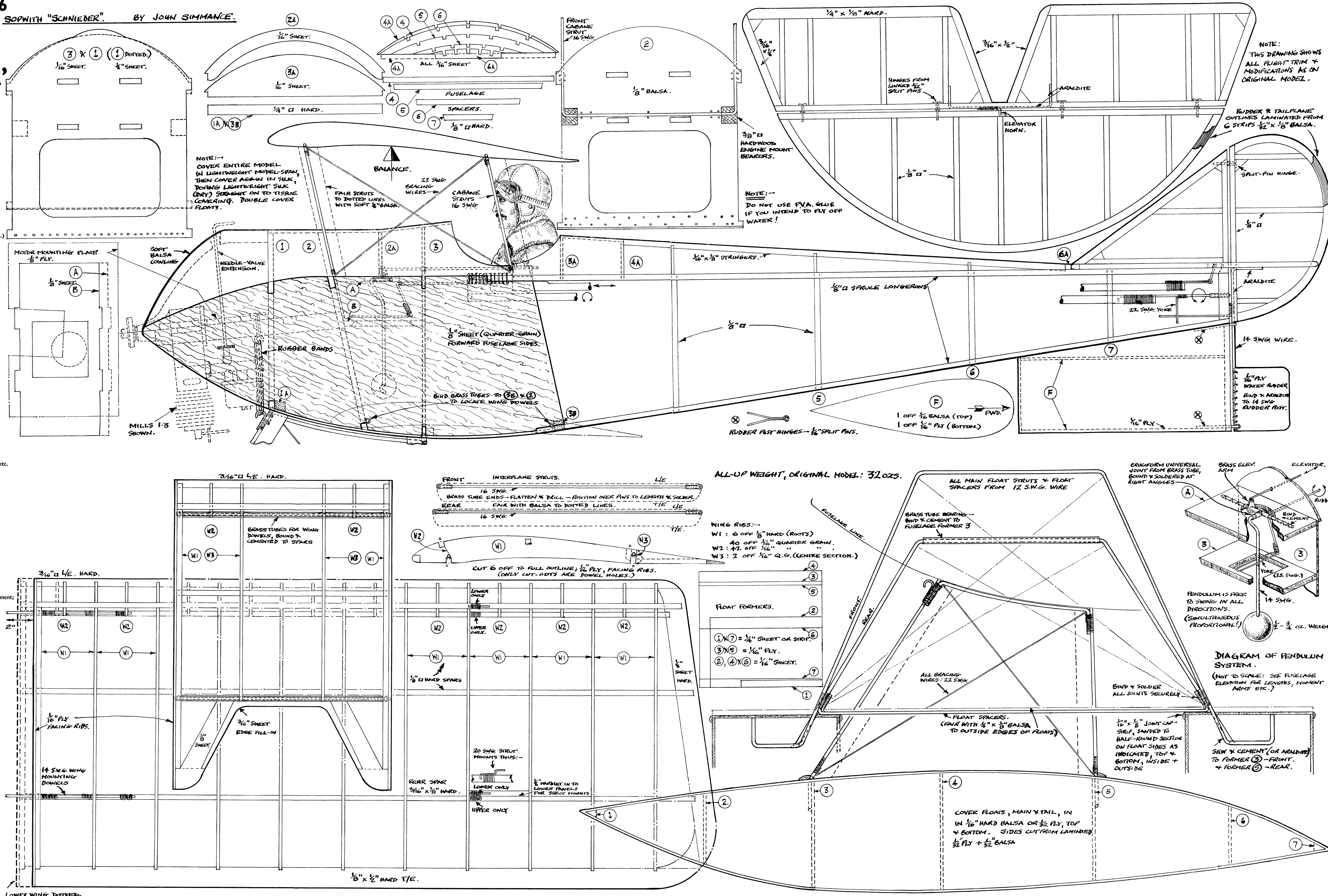
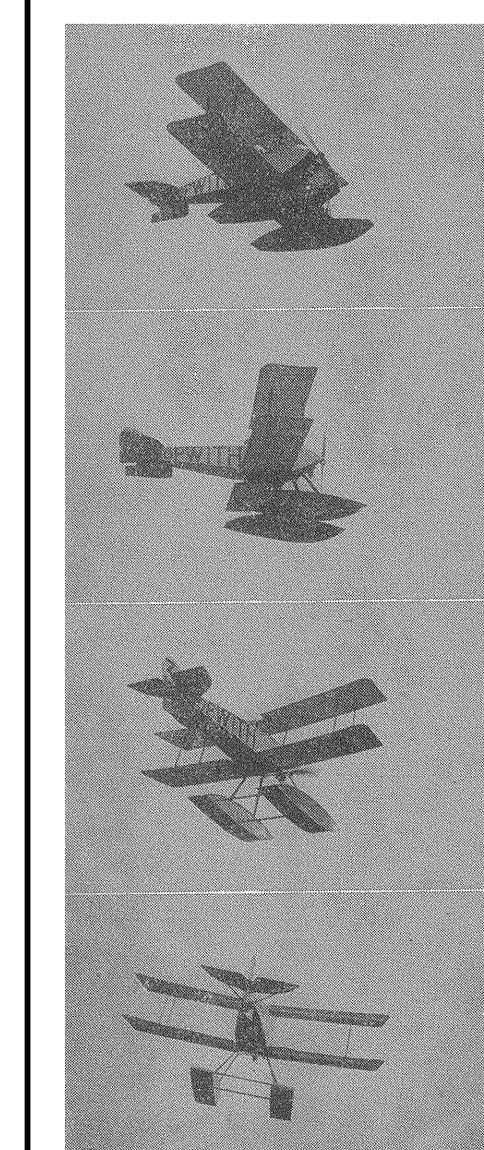
HARDWARE

- 12-1/32 in. dia. split-pins.
- 2-1/16 in. dia. split-pins.
- 2 in. x 16 S.W.G. brass tube.
- 20 in. x 14 S.W.G. brass tube.
- 5 in. x 12 S.W.G. brass tube.
- Pins; binding wire; solder.

MISCELLANEOUS

- 2 sq. yd. lightweight silk; Modspan; cement; dope, etc.

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NOTE: THIS DRAWING SHOWS ALL FLIGHT TRIM & MODIFICATIONS AS ON ORIGINAL MODEL.

NOTE: COVER ENTIRE MODEL IN LIGHTWEIGHT MODEL SPAN, THEN COVER AGAIN IN SILK, DOING LIGHTWEIGHT SILK (DRY) STRAIGHT ON TO TISSUE COVERING. DOUBLE COVER FLOATS.

NOTE: DO NOT USE PVA GLUE IF YOU INTEND TO FLY OFF WATER!

ALL-UP WEIGHT, ORIGINAL MODEL: 32 OZS.

CROSSFORM UNIVERSAL JOINT FROM BRASS TUBE, BOUND & SOLDERED AT RIGHT ANGLES

DIAGRAM OF PENDULUM SYSTEM. (NOT TO SCALE: SEE FUSELAGE ELEVATION FOR LENGTHS, MOMENT ARMS ETC.)

SEW & CEMENT (OR ARALDITE) TO FORMER (2) - FRONT, & FORMER (3) - REAR.

COVER FLOATS, MAIN & TAIL, IN 1/16" HARD BALSA OR 1/32 PLY, TOP & BOTTOM. SIDES CUT FROM LAMINATED 1/32 PLY + 1/32 BALSA

LOWER WING DOTTED.