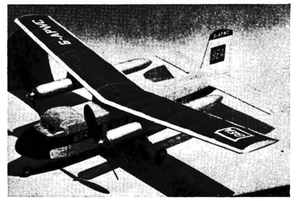
FULL SIZE PLANS!

RAY MALMSTROM'S

Semi-scale, rubber powered, free flight twin model

HERALD



MATERIALS LIST

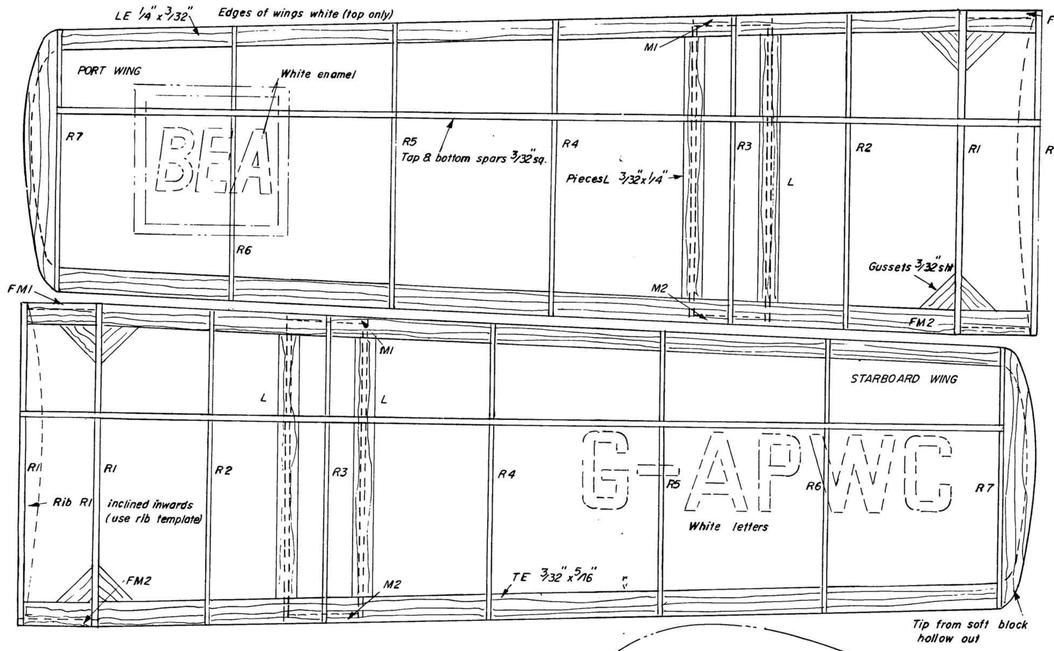
1 sheet 3/32 × 3 × 12 in. Balsa
1 sheet 1/16 × 3 × 36 in. Balsa
1 sheet 1/8 × 3 × 6 in. Balsa
12 strips 3/32 × 3/32 × 36 in. Balsa
3 ft. 18 S.W.G. piano wire
2-18 S.W.G. brass bushes
4-18 S.W.G. Cup washers
2-5 in. diam. Keilkraft plastic propellers
2-1 in. diam. plastic wheels
1-½ in. diam. plastic wheel
1 sheet White lightweight Modelspan
1 sheet Red lightweight Modelspan
28 in. of 1/16 in. flat rubber

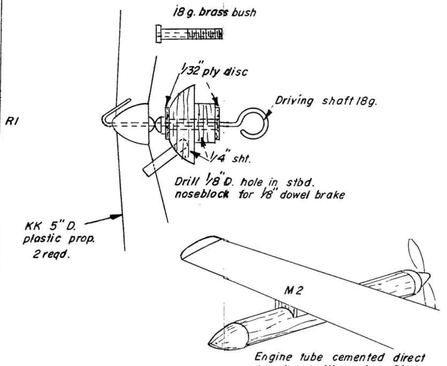
Pieces of soft block balsa; scraps of ½ in. sheet balsa; 1/16 in. ply; small piece of thin tin; linen thread; piece of thin acetate; 4 in. length of ⅛ in. diam. dowel rod; 2 in. length of elec. tubing; Cement; Clear dope; Humbrol plastic enamels.

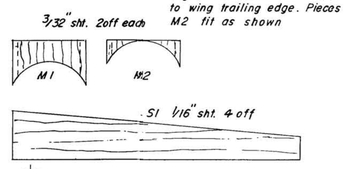
LOOKING for a model that will give you a new flying thrill? Something that will attract lots of attention on your local flying ground? This simple-to-build, smart little twin-motor semi-scale Handley Page *Herald* is *your* model. The plans give you all the information, but these additional notes may be of help.

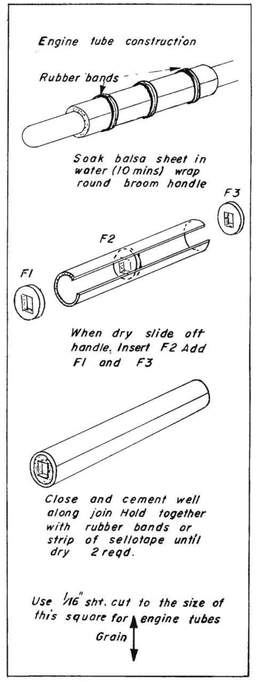
Build two identical fuselage sides and join by the centre four spacers first. Hold in position with pins. Check for squareness. When dry add the remaining spacers. Take care to pin down to the building board, the wing panels, tailplane and fin after water spraying and doping. Please avoid warps! Sandpaper downthrust formers F.1A accurately. The correct downthrust angles to the propeller driving shafts is important. When assembling motor tubes to wings check that they are parallel to each other, and the propellers have the same amount of downthrust.

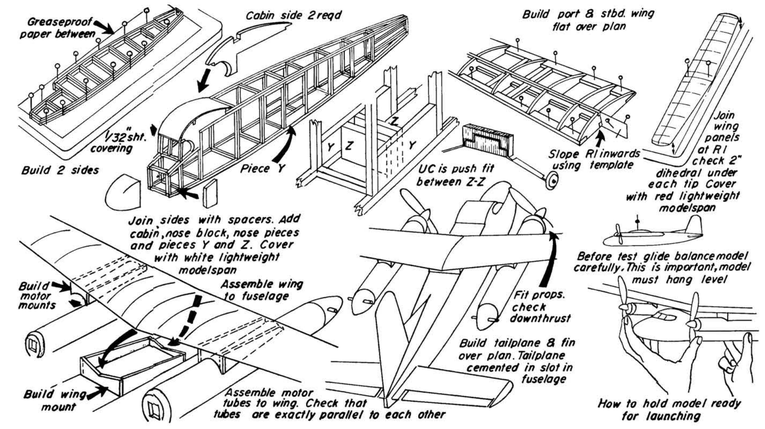
Flying Notes.—Balance the model very carefully, adding a little noseweight as necessary. Test glide over long grass on a calm day. When winding-up have a friend to assist you wind the starboard motor first. The propeller is prevented from turning by a small dowel-rod brake. Hold the model as shown in the sketch while your friend removes the brake rod. Launch smoothly with fuselage approximately parallel to the ground. Have the same number of turns on each motor. Sharp banking is cured by gently warping the fin. It can also be cured by 20-30 extra turns on the motor on the banking side, but do this with caution.

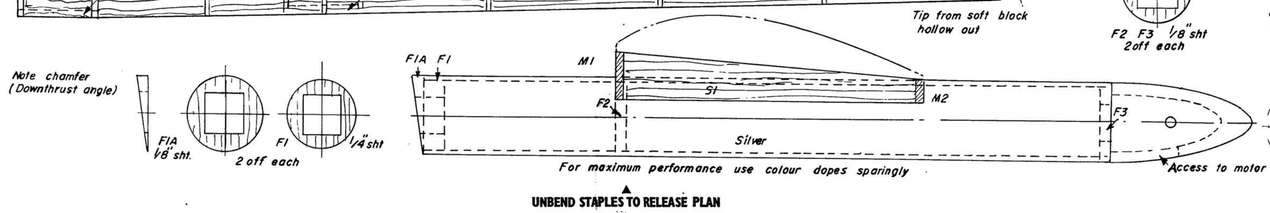


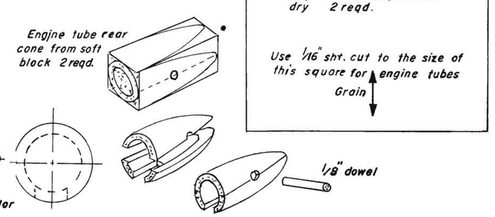


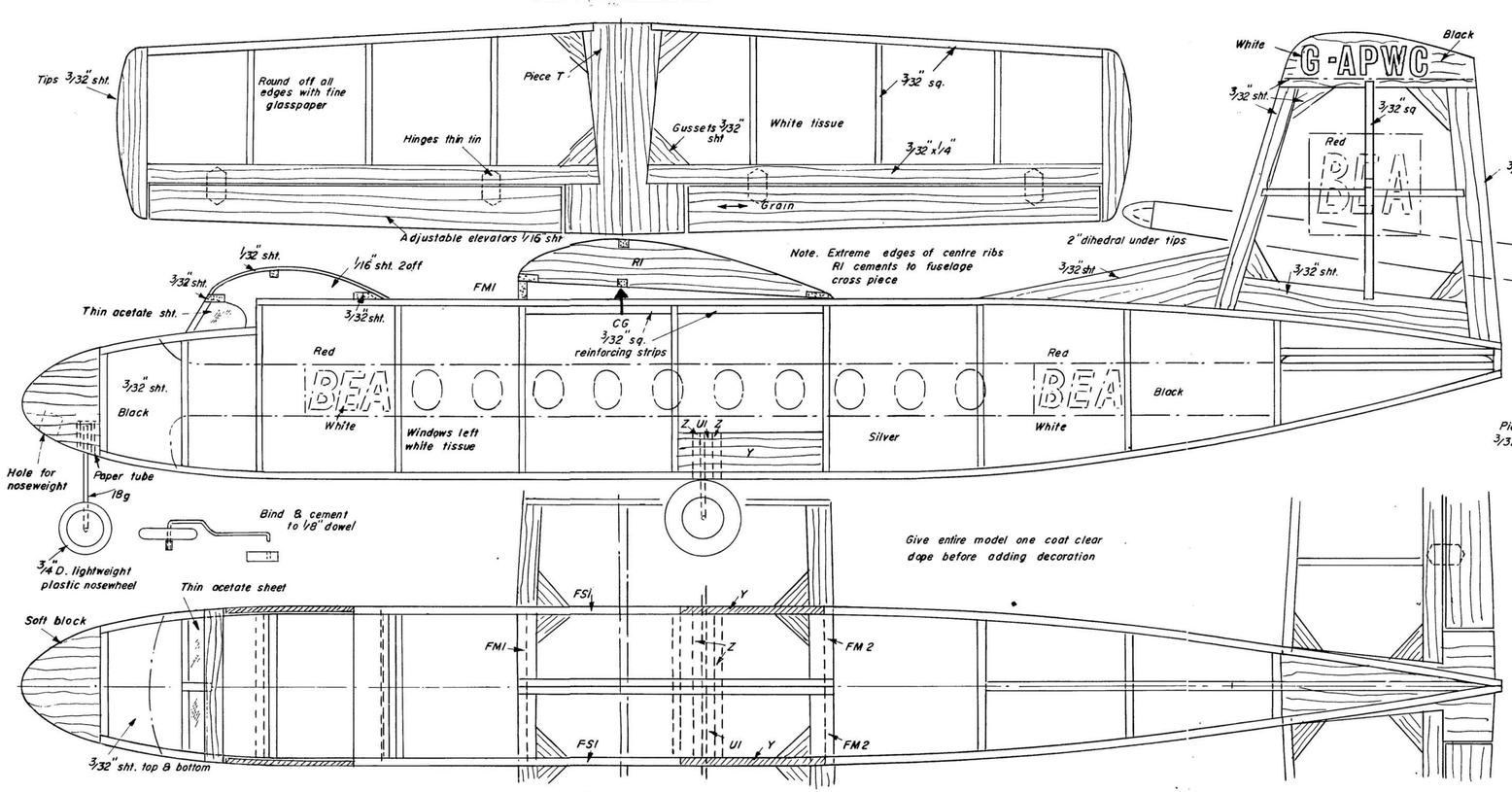












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