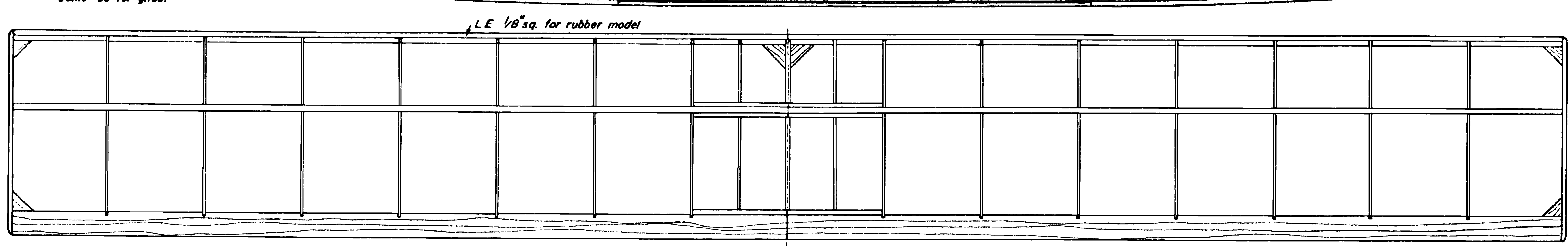
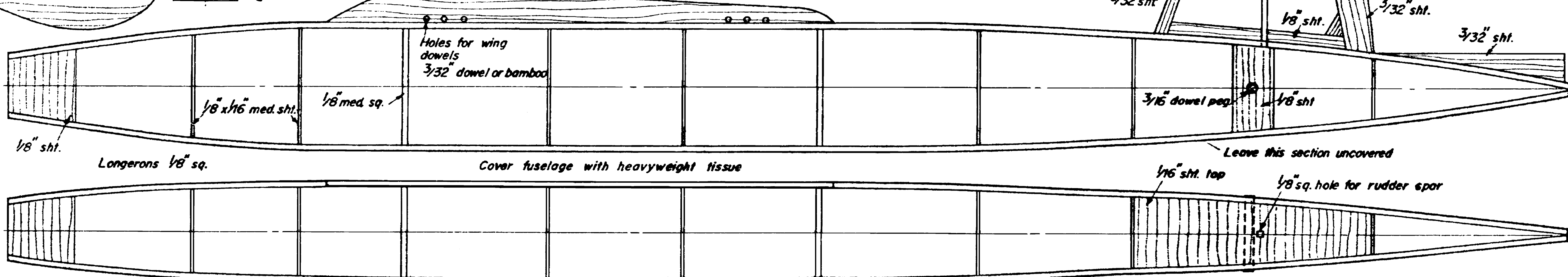
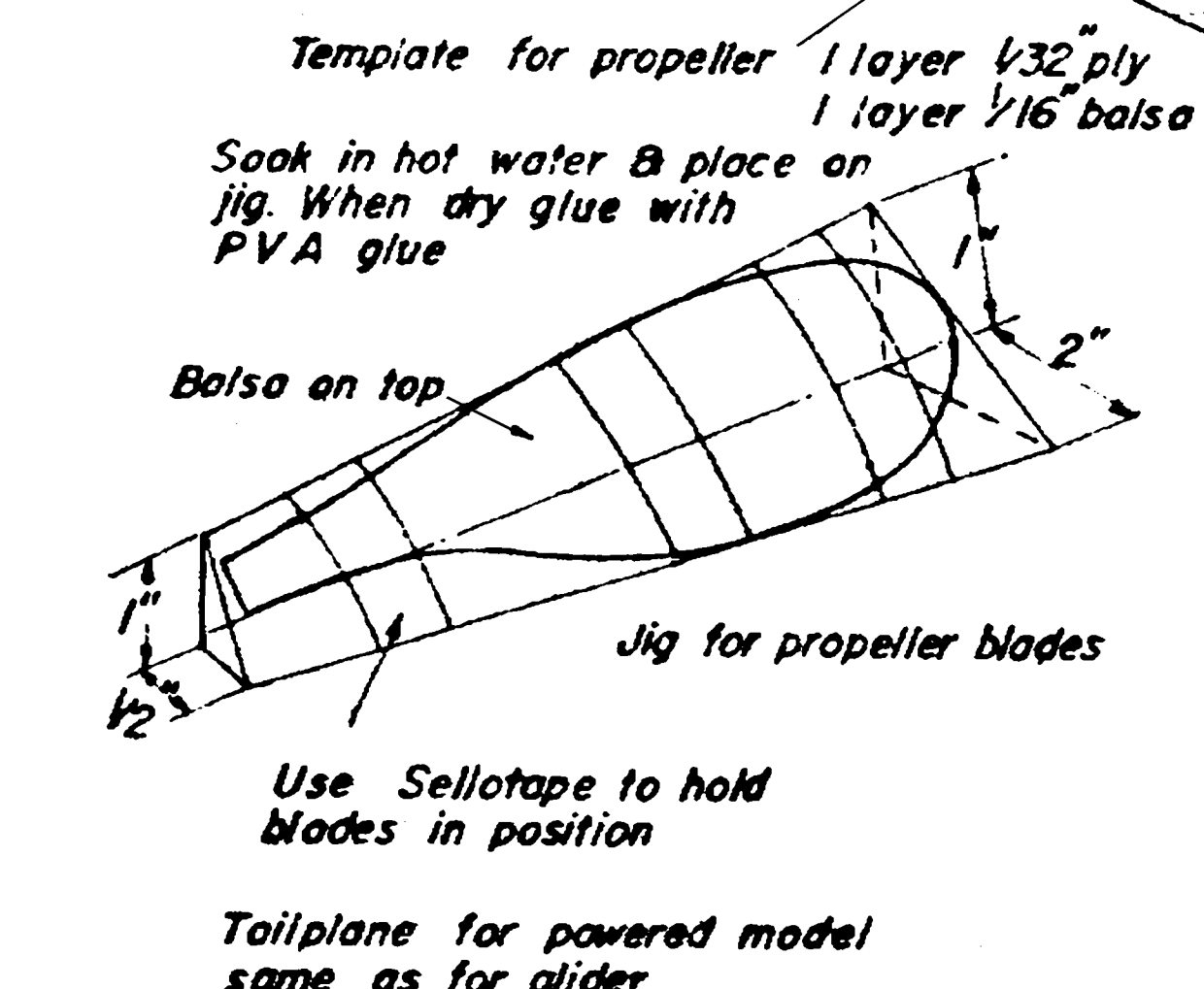
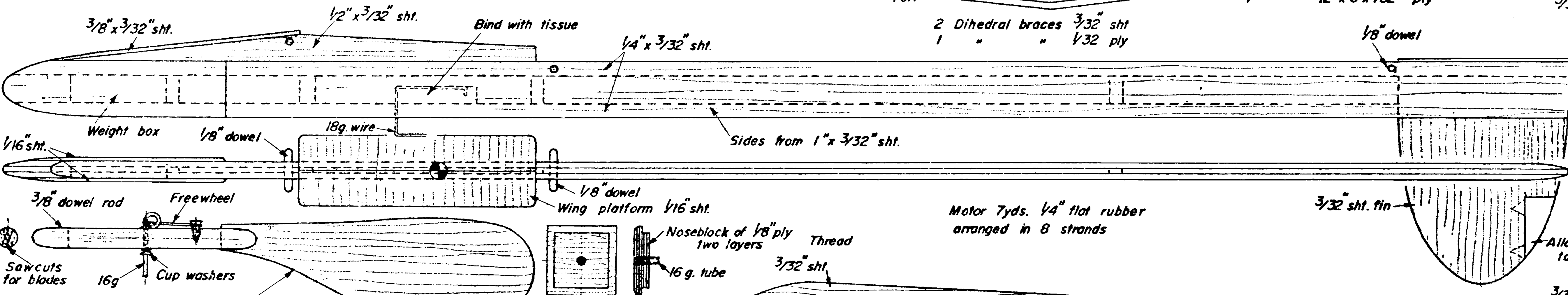
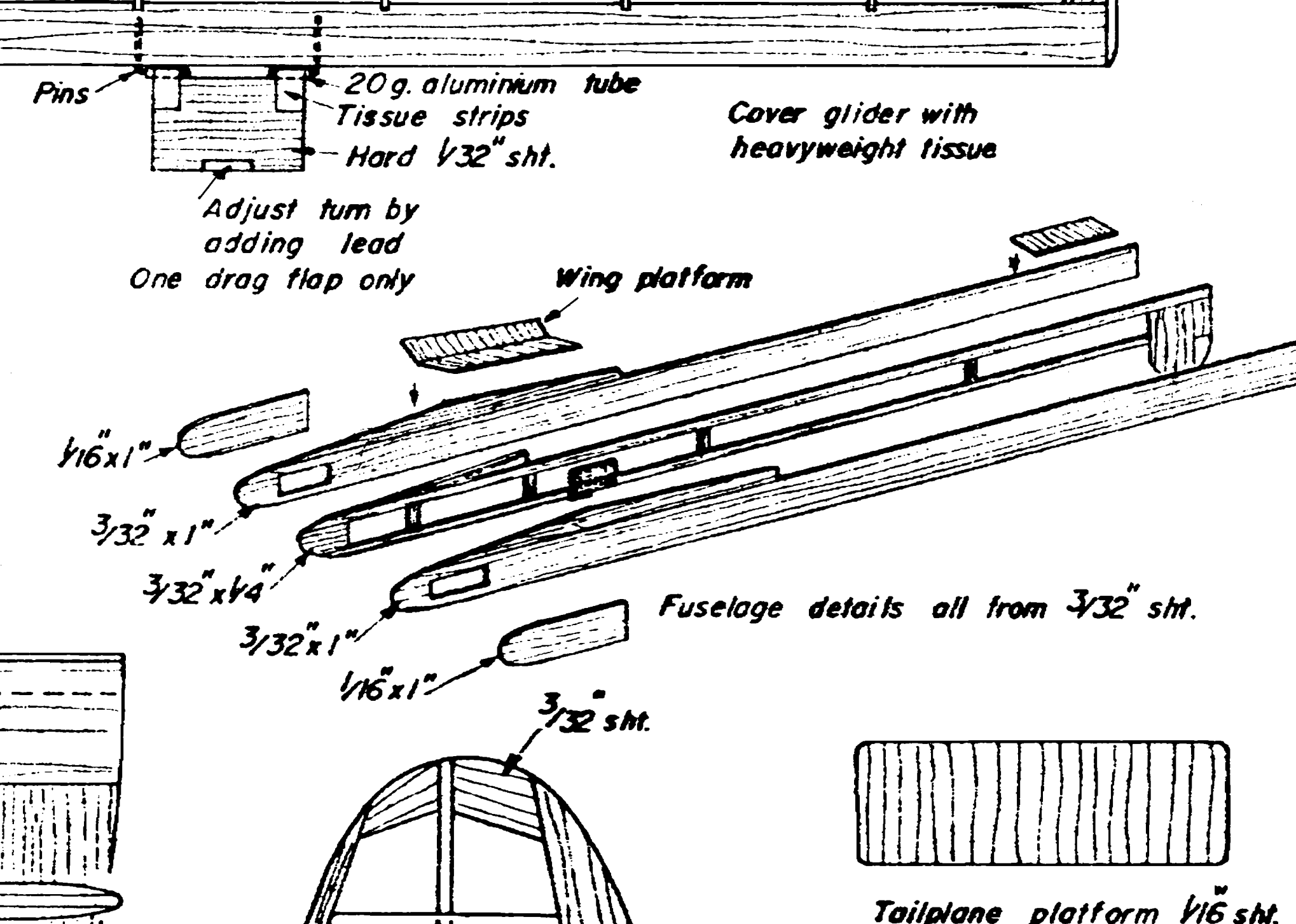
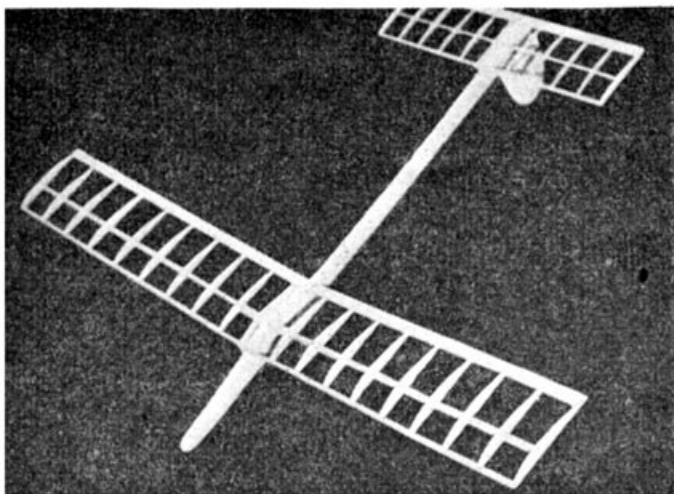


MATERIAL LIST

1 piece	3/32" x 3" x 36"	balsa
2 "	1/16" x 3" x 36"	"
5 pieces	1/8" sq. x 36"	"
1 piece	3/16" sq. x 36"	"
1 "	3/32" sq. x 36"	"
3 "	1/2" x 1/8" x 36"	TE
1 "	1/8" x dowel	
1 "	3/16" "	
1 "	12" x 6" x 1/32" ply	



UPBURY
 M A 392 G.F. ELSEGOOD 5/6
 SPAN 36" LENGTH 28"
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 19-20 Noel St. London W1



UPBURY—Continued from page 156

without the ribs. These are afterwards cut from 1/32 in. sheet and curved over the spar to produce an airfoil section. Sand L.E. and T.E. to a smooth contour.

After Covering: Give the fuselage and wings two coats of clear dope, the tailplane one coat. Pin down the wings and tail while the dope is drying to avoid unnecessary warps.

Flying (glider): Add weight or packing until all traces of a stall have disappeared. Remove any tendency to turn with the trim tab. Tow up using a 50 ft. line. The model is capable of adaptation and development. For instance, more experienced boys have built *Upburys* with Benedek wing sections, elliptical tips and Geodetic construction, thus achieving a corresponding increase in performance.

An auto rudder was fitted to the original glider models, but I found that some boys had difficulty in making this accurately, so I decided to modify the design to eliminate this feature. The rudder is now hinged with soft iron wire, or thin strips of aluminium and is used to counter any natural turn on the tow line. The glider is made to circle on release from the line by a drag flap, similar to those fitted on power models a few years ago. After experimenting with various sizes and positions, we found a flap of 1/32 in. sheet balsa $1\frac{1}{4}$ in. \times $\frac{1}{2}$ in., weighted with lead from old cement tubes and placed 6 to 8 in. from the wing tip, gave the best results.

The rubber-powered model is bigger and much more robust than first rubber models usually are. It will fly in rough weather though and stand up to the results of over enthusiastic trimming by eager youngsters. We have found that we get through about four propeller blades per model per season, usually ending up with a single-bladed propeller, so it is worthwhile making up a few spare blades!

SPECIAL PLANS OFFER TO WINGMEN

As the design 'Upbury' is a model especially suitable for Wingmen to construct, we have arranged for the full size plan of the model to be available to all Wings Club Members at a special price. The usual price for the plan is 5s. 6d. but Wingmen need only pay 4s. 6d. for a copy.

This offer only applies to Wings Club members, orders must be on this form and you must give your membership number.

Cut out this form and post to "Model Aircraft" Plans Dept., 19-20, Noel Street, London, W.1.

Please send me the plans of M.A.392 *Upbury*. I enclose herewith postal order value 4s. 6d.

Name in full.....

Address.....

.....
Wings Club Membership No.....