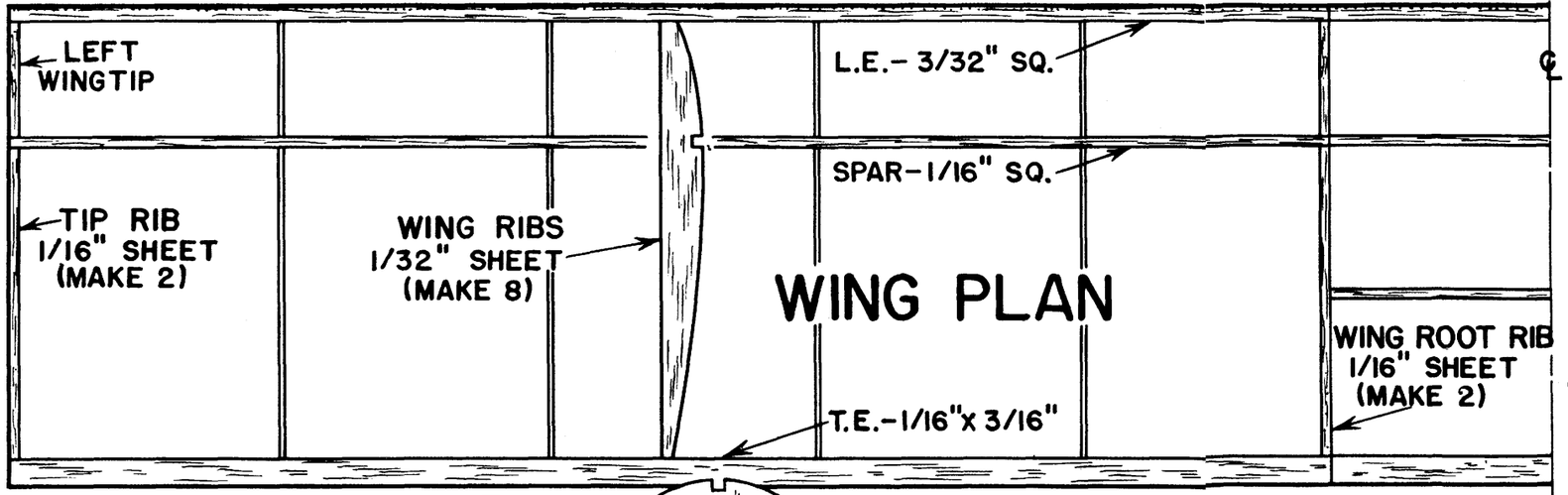
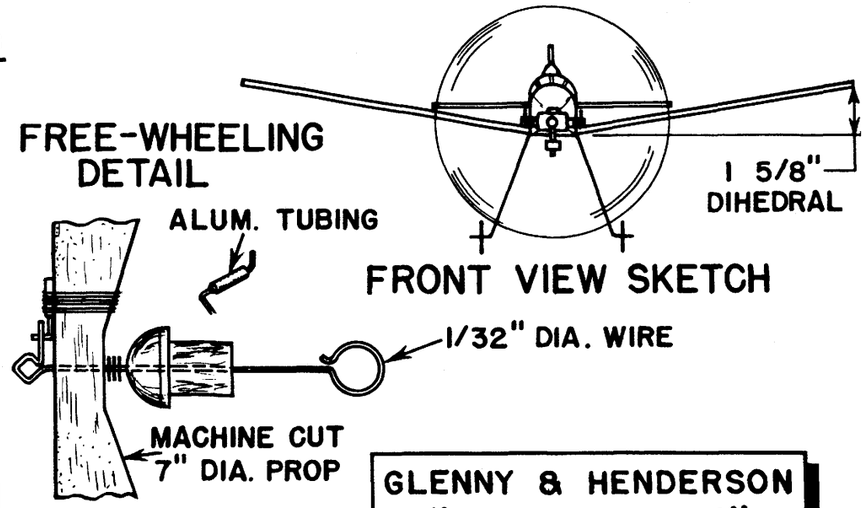
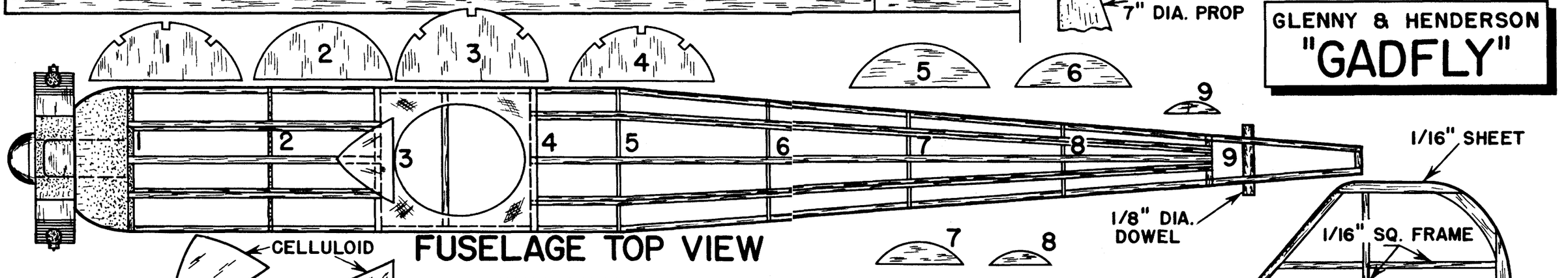
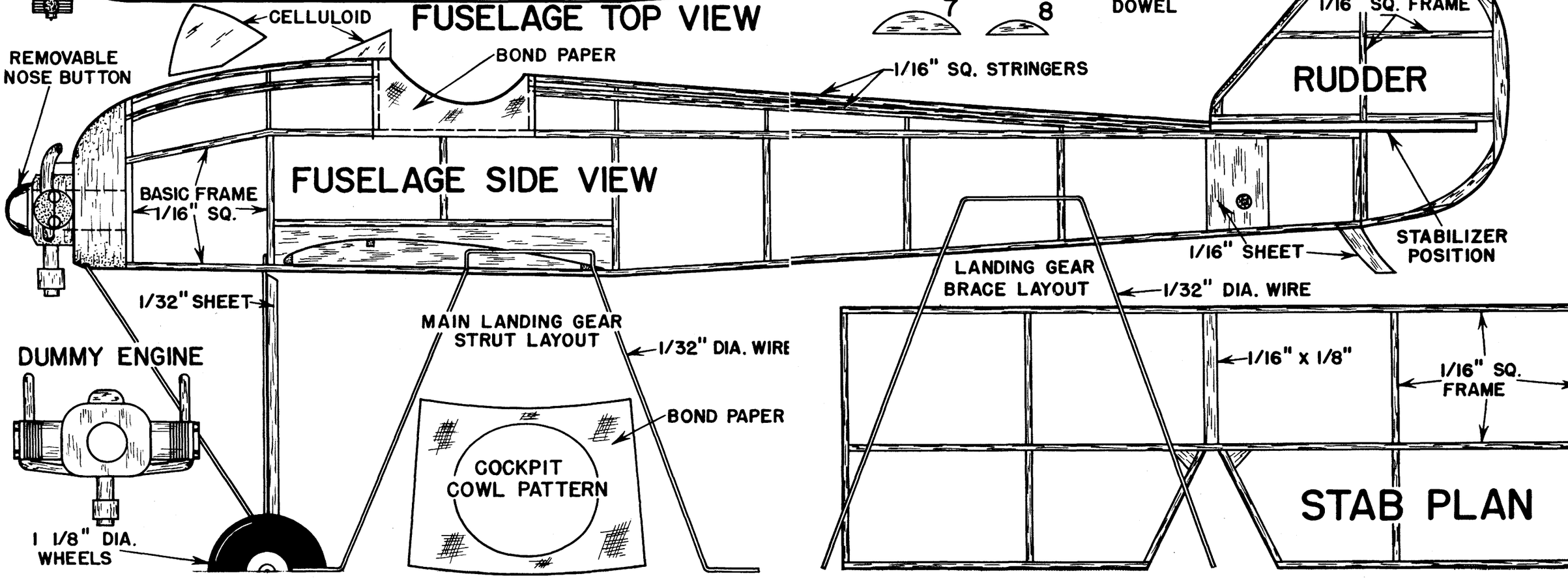
GLENNY & HENDERSON "GADFLY"









GADFLY

By SHERMAN GILLESPIE

All planes, big or little, suffer performance penalty from excess weight. Beginners hoping to build contest free flight will learn much here.

Charming little rubber powered, semi-scale model of historic light plane rewards neat builders with wonderful flights.

The Gadfly is a semi-scale model of the Glenny & Henderson plane that was flying in England in 1929. Powered by a 2 cyl., 40 hp engine, the little single-seater cruised at 72 mph. Top speed was 91 mph and it landed at 45 mph. Its ceiling was 13,000 ft. In its day it was quite an efficient machine.

The model is a very realistic flier with a phenomenal glide. It can do up to 30 seconds, hand-wound, in cool evening air. Warm air tests gave many flights of from 40 to 57 seconds. The ship shown was lost after a spectacular flight of 2 minutes 34 seconds! This, of course, was the result of a thermal but, when last seen high over a cherry orchard, the little job was soaring beautifully.

Construction is conventional but use care to keep the weight down. Complete flying weight should be approximately .8 oz.

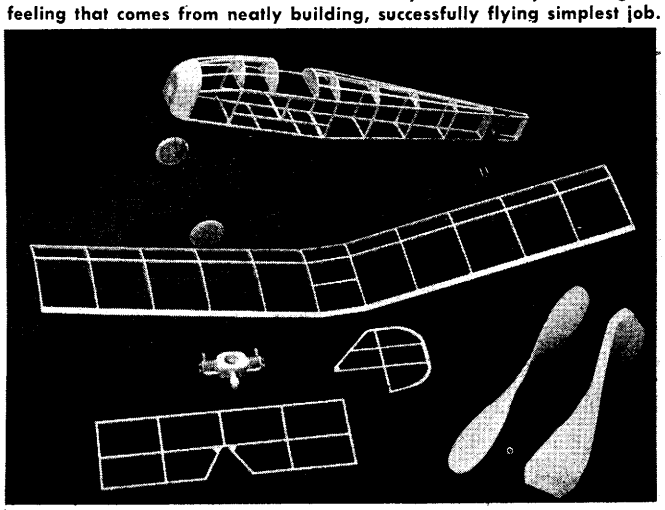
Build the fuselage sides from medium hard 1/16 square balsa. Set the sides up over the top view and put in the 1/16 square cross-pieces. Cement the formers directly to these cross-pieces. Formers No.'s 1, 3 and 4 are cut from 1/16 sheet and are notched to receive the ends of the stringers. Formers No.'s 2, 5, 6, 7, 8 and 9 are cut from 1/32 sheet. The stringers are spaced and cemented on without notching these 1/32 formers.

Cut the nose block from fairly soft 1/2 in. stock and drill it to receive the 3/8 in. shaft of the thrust button. Although a hardwood button was used, a laminated balsa or plastic type may be fitted satisfactorily.

The dummy engine is not necessary for a strictly flying model. If it is left off, however, heavier wheels may be needed to balance the model properly. (*Continued on page 36*)

SEE PLANS ON FOLLOWING TWO PAGES

Veteran builders do not underestimate any model—they know good feeling that comes from neatly building, successfully flying simplest job.



Today's arm-and-a-leg prices shouldn't stop you junior balsa hackers from building this. If you hoard scraps, you can still go Saturday movie.