

DUTCH FLYING SAUCERS

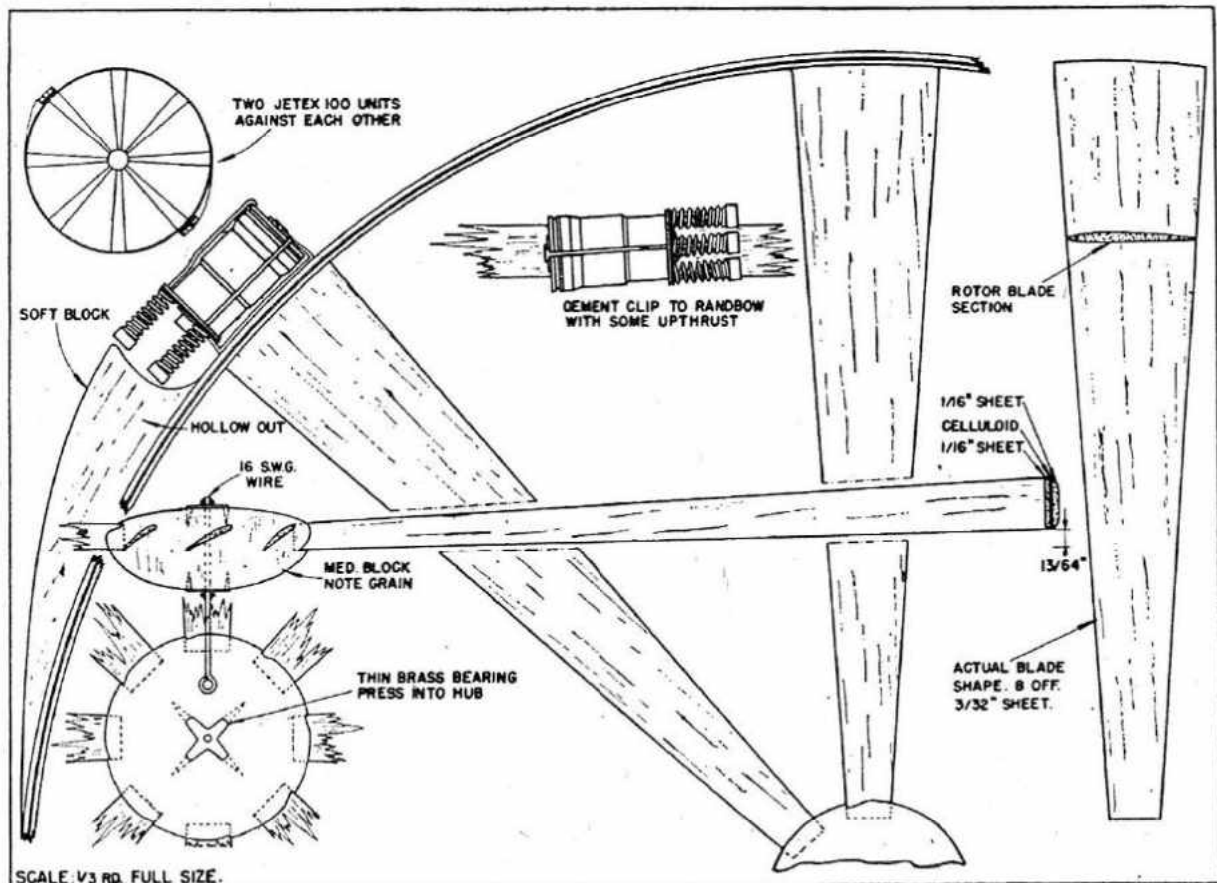
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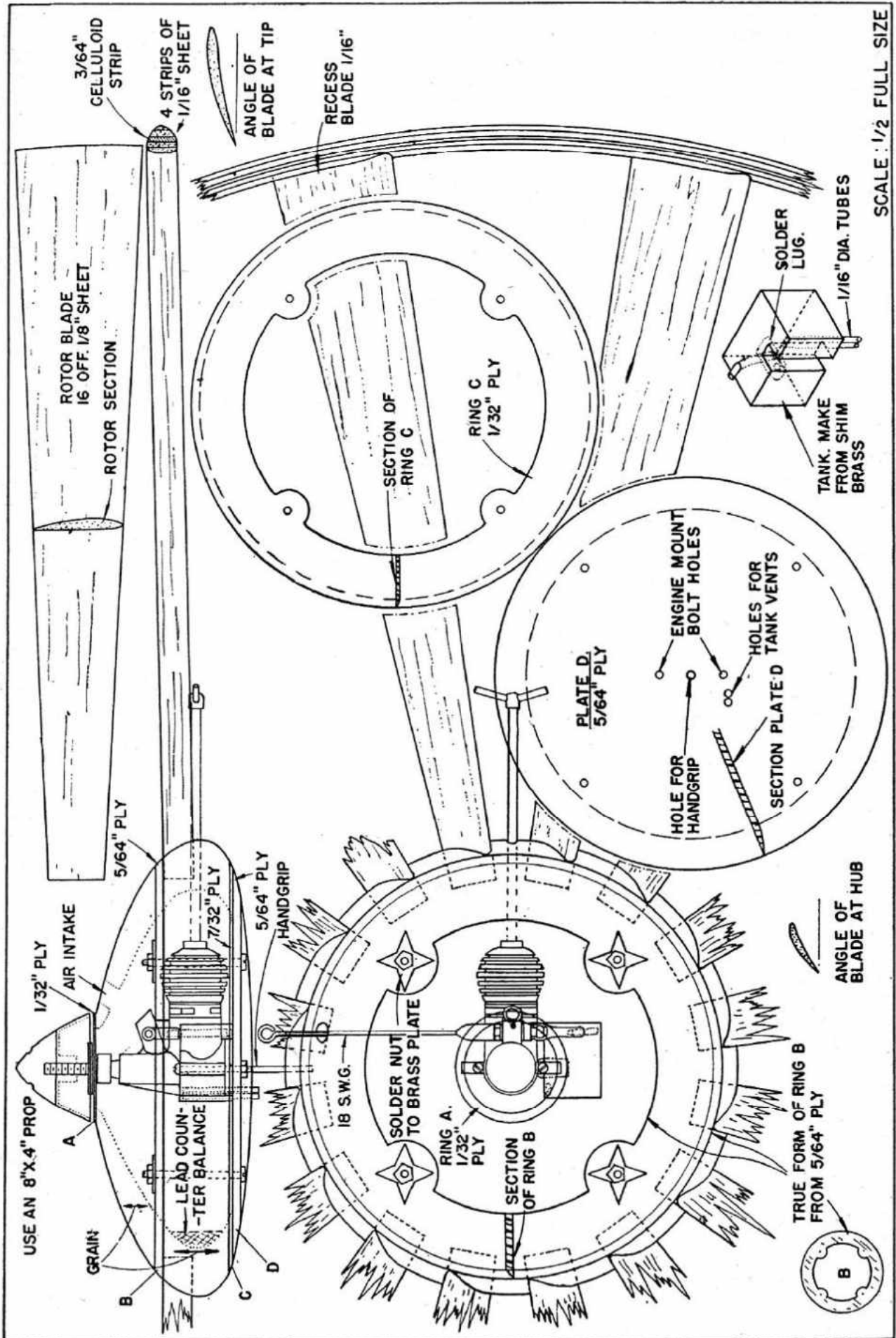
BUILDING procedure for either the 50 or 100 Saucer is identical, and commences with the outline. A strip of $\frac{1}{16}$ -in. $\frac{3}{8}$ -in. medium balsa is soaked and wound round a suitable former (an oil drum or dustbin, etc.), the ends being bevelled and cemented. A second, similar strip is then laminated over the first.

Rotor-blades are of $\frac{1}{16}$ -in. sheet sanded to a thin airfoil section. The hub of the rotor is fashioned from a disc of medium balsa, blade positions being carefully marked off and their receiving slots cut. Accuracy here is essential. The Jetex clips are cemented to the outline and bound in place, ensuring that a little upthrust is incorporated. The construction of a hand-grip completes the model.

The "100" model differs in using $\frac{3}{32}$ -in. sheet rotor blades and a reinforcing strip of celluloid cemented round the outline.

Construction of the Frog 50 powered Saucer commences with the outline, which is made around an oil-drum or





similar cylinder. The outline is built exactly as on the plan.

Shape the $\frac{1}{8}$ -in. sheet rotor-blades and the ply rings A, B and C, and the plate D, drilling or cutting out the necessary holes. Ring B now requires fitting with the brass plates shown (solder nuts on before fitting) before sandwiching between A and C and the two balsa distance discs. When dry, the rotor blade slots must be accurately marked and cut. On this step depends the line-up of the whole machine.

Hollow out the "body" as shown on the drawing and drill holes for the air intake, fuel and compression needle. Cement the blades into their slots in the hub and attach the outline, aligning everything carefully and cementing thoroughly, blade tips being inset $\frac{1}{16}$ -in. into the outline.

The tank, made from shim brass, completes the constructional work, but before flying the "Disc" must be balanced. Fit a long bolt with a length of tubing and screw into the tank-bolt position. By holding the tube in the hand the disc can be rotated and a small block of lead fitted in the body on the lighter side.

