

VAMPIRE

By W. A. Dean



HAVE you ever built a pusher? If not, then this little stick model will help you to understand a few of the advantages and problems that are encountered with this unorthodox type. The parts are all drawn full size and should be traced or pin-pricked through on to sheet balsa.

FLYING SURFACES

The wing panels, fins and elevator are made from medium strength sheet sanded down to the typical section indicated on the drawing. Note that the wing only tapers in thickness outboard of the booms—also that the elevator and fins are sanded down to about 1/48 in.

FUSELAGE AND BOOMS

The fuselage stick is slightly rounded and tapered at each end, with the corners sanded away. The twin booms are hard balsa; the corners being left square.

PROPELLER AND FITTINGS

Cut the 4-in. diameter propeller blank from medium sheet balsa and steam to the pitch shown. A coat of banana oil is given for strength. The shaft is bent from a piece of 24-gauge wire; a small bead being threaded on before forming the hook.

For the bearing, first bend the "L"-shaped portion, then clip off at about 1 in. from the bend. Insert the short end in a vice and wind the long end round another piece of wire.

ASSEMBLY

Prop up the two wing panels in the usual way and cement them together to give a dihedral of 3/4 in. under each tip. Cement the tailplane on top of the twin booms. Attach the wings to the fuselage stick by a small rubber band.

FLYING

The number of strands of rubber is best found by experience. Wind up from the front by means of a wire ring attached to the motor and launch with the right hand, holding the propeller in the left. Trimming is obtained by warping the tips, elevator and fins.

POWER: 1/32" x 1/32" SQ. RUBBER IN SEVERAL STRANDS TO SUIT

BIND & CEMENT

ALL WIRE PARTS 24 GAUGE

TAPER FROM BOOM

STEAM TO CORRECT PITCH

CUT PROP BLANK FROM 1/32" SHEET TO THIS OUTLINE

TAILPLANE CEMENTED ON TOP OF BOARD - THEN FINS ADDED

FRONT VIEW OF PROP

FRONT VIEW - 1/4 SCALE

BIND & CEMENT

BOOMS 1/8" x 1/16"

FIN-2 1/32" SHEET

MOTOR STICK 3/16" x 1/8"

SEVERAL TURNS TO FORM BEARING

WING 1/32" SHEET

TRACE FOR STB. TIP

BEAD

PROP GRIPPED BETWEEN SHAFT BEND

TYPICAL WING & TAILPLANE SECTION

NO TAPER

TAILPLANE 1/32" SHEET

