

# F-84

## Chuck Glider



**A razor blade and some sheet balsa are all the materials needed for this model.**

**H**ERE'S a quickie after dinner project that will give hours of flying fun—a glider drawn to the exact scale outlines of the F-84 Thunderjet.

Construction of the F-84 glider will require only a razor blade or sharp knife. Wood for the fuselage should be medium or fairly hard stock, while the wing should be medium or soft. Fuselage is  $\frac{1}{8}$ " sheet, wing is  $\frac{1}{16}$ " sheet and the tail surfaces are  $\frac{3}{16}$ " sheet.

The plan, drawn full size, can be transferred by outline to the balsa sheet by laying a piece of carbon paper under the plan and tracing the outlines onto the wood.

When the outlines are transferred, the wood may be cut. The only tricky cuts are the slots for wing and tail. These must be

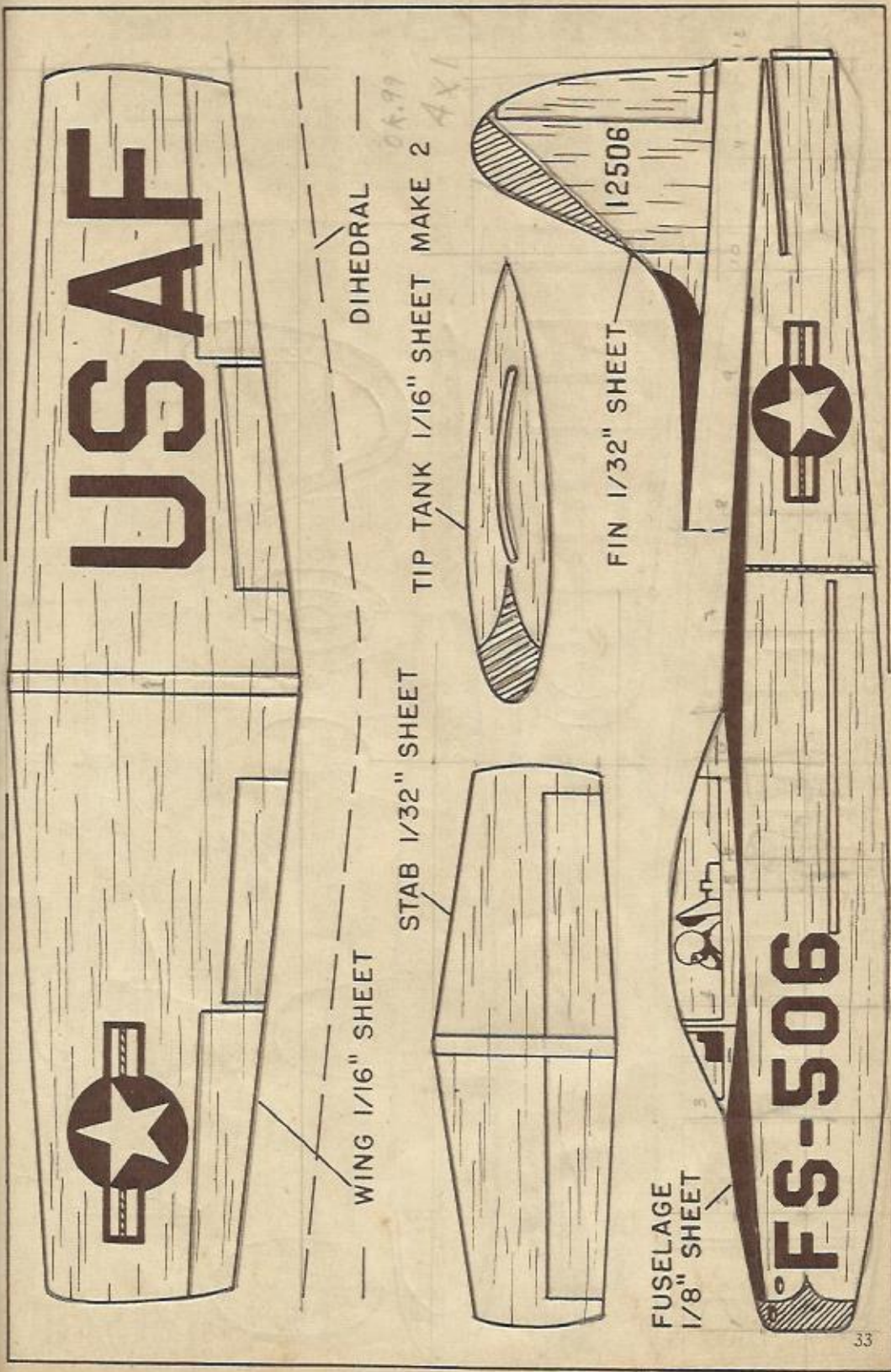
Slots for the wing and tail constitute the only tricky cuts in building; these are square with fuselage.

square with the fuselage side or the surfaces will not line up right. Wingtip tanks are not necessary but will help hold an airfoil shape in the wings. The dihedral angle can be formed by wetting the middle of the wing and bending over a candle flame, which will steam the bend into the wood. Be careful not to burn the wood; hold the wings at the proper angle until the wood is dry. The rudder is cemented to the top edges of the fuselage. Use cement sparingly so that the glider won't be tail heavy.

When all parts are cut out and wings bent, the glider should be assembled and balance checked. A bit of clay or a small nail in the nose should be added to make the glider balance about one third back from the leading edge. By changing the amount of weight a bit and sliding the wing slightly, a good glide can be achieved. If the glider stalls, move wing back and increase nose weight. If the glider dives, move wing forward and lighten nose weight.

Insignias, numbers, canopy and control surface outlines can be sketched onto the wood with a ball-point pen. This will help dress up the glider. Additional colors can be added with a pencil of the type used for marking on glazed surfaces, called a China marking pencil. •





**USAF**

DIHEDRAL

TIP TANK 1/16" SHEET MAKE 2

12506

FIN 1/32" SHEET

STAB 1/32" SHEET

WING 1/16" SHEET

FUSELAGE  
1/8" SHEET

**FS-506**

CA. 99  
4x1