

FIG. C

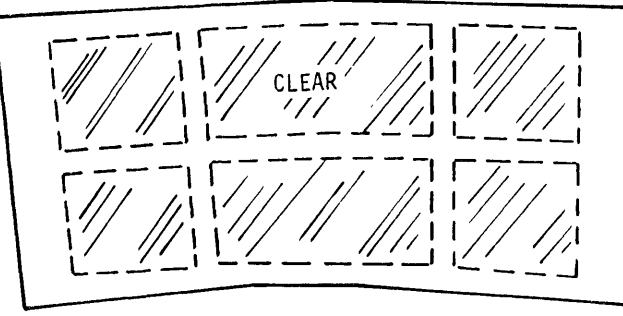


FIG. B

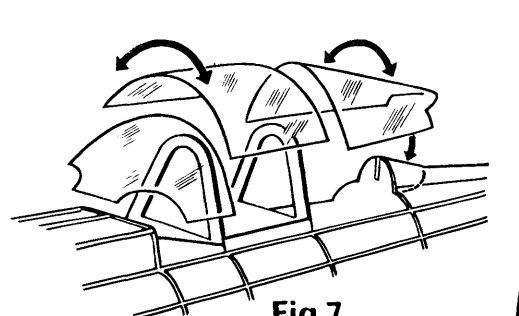


Fig. 7

STEP 7. Glue instrument panel in place on former C. Cut out canopy pieces from acetate using FIG. B as guides. Paint areas not marked as clear to indicate canopy metal. Glue in place as shown in Fig. 7. Use glue sparingly, neatness counts here.

STEP 6. Glue on pieces F 8 and pieces F 10 and F 11 on both sides (FIG. A).

STEP 5. Now glue on all stringers as in Fig. 6, cut off extra length.

STEP 4. To assemble tail wheel, bend wire as indicated in Fig. 5. Glue in place by sandwiching wire between F 2 and a piece of scrap balsa. Use a sequin and a drop of glue to hold wheel in place.

STEP 3. Glue on pieces F 6 and F 7 on each side (Fig. 4). Check alignment. Glue K to J as in FIG. A.

STEP 2. Insert fuselage guides F 1, F 2, F 4 and F 5 into slots on formers, align properly and glue in place (Fig. 2). When dry, spot glue formers to tube (Fig. 3), note tube ends at G, use F 5 and F 2 to hold H and J. Again check for proper alignment - THIS IS IMPORTANT!

STEP 1. Carefully punchout all die-cut formers, and slide them onto tube as shown in Fig. 1. Use side view of plan (FIG. A) for positioning of pieces. Glue F 1 to F 2 as in FIG. A.

NOTE: Diagram sketches may not be exact for the plan you are building, however, they show correct assembly and procedures.

FUSELAGE CONSTRUCTION

STEP 8. Mark pattern as indicated in FIG. C on balsa nose block. Cut out circular nose block using heavy black line as the cut line. Dotted line is position guide for gluing M 1 and M 2 to form cowling. Note side view of FIG. C, you will see the nose tapers. Carve and sand nose block neatly then glue M 1 and M 2 to nose block and sand to shape as in FIG. A. Glue on M 3 and M 4. Check for proper fit to former A. Mark position for nose button, drill and fit but DO NOT GLUE IT. Glue nose block to former A. For scale propeller version see Fig. 21 and skip STEP. 15 and Fig. 15.

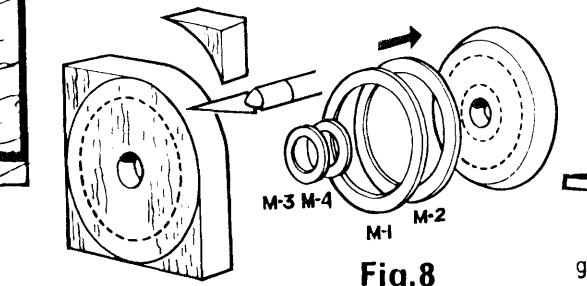


Fig. 8

Note W 11 glues high on W 8, not at the base.

WING CONSTRUCTION

STEP 9. Cut trailing edge from 3/8" stringer and pin to plan (FIG. D). Lay wax paper over plan first so pieces can be easily lifted off.

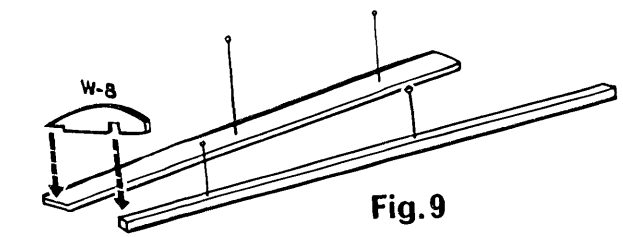


Fig. 9

STEP 10. Cut main spar to length and pin to plan (FIG. D) as indicated. Glue W 8 to it and trailing edge as in Fig. 9.

STEP 11. Now criss cross wing formers W 2 and W 3, place in position on FIG. D and glue to main spar and trailing edge. Repeat with W 4 and W 5, and W 6 and W 7 (Fig. 10). Glue W 1 in place. Note that W 1 is glued at an angle (FIG. E). Use Wing Angle (dihedral) template as a guide.

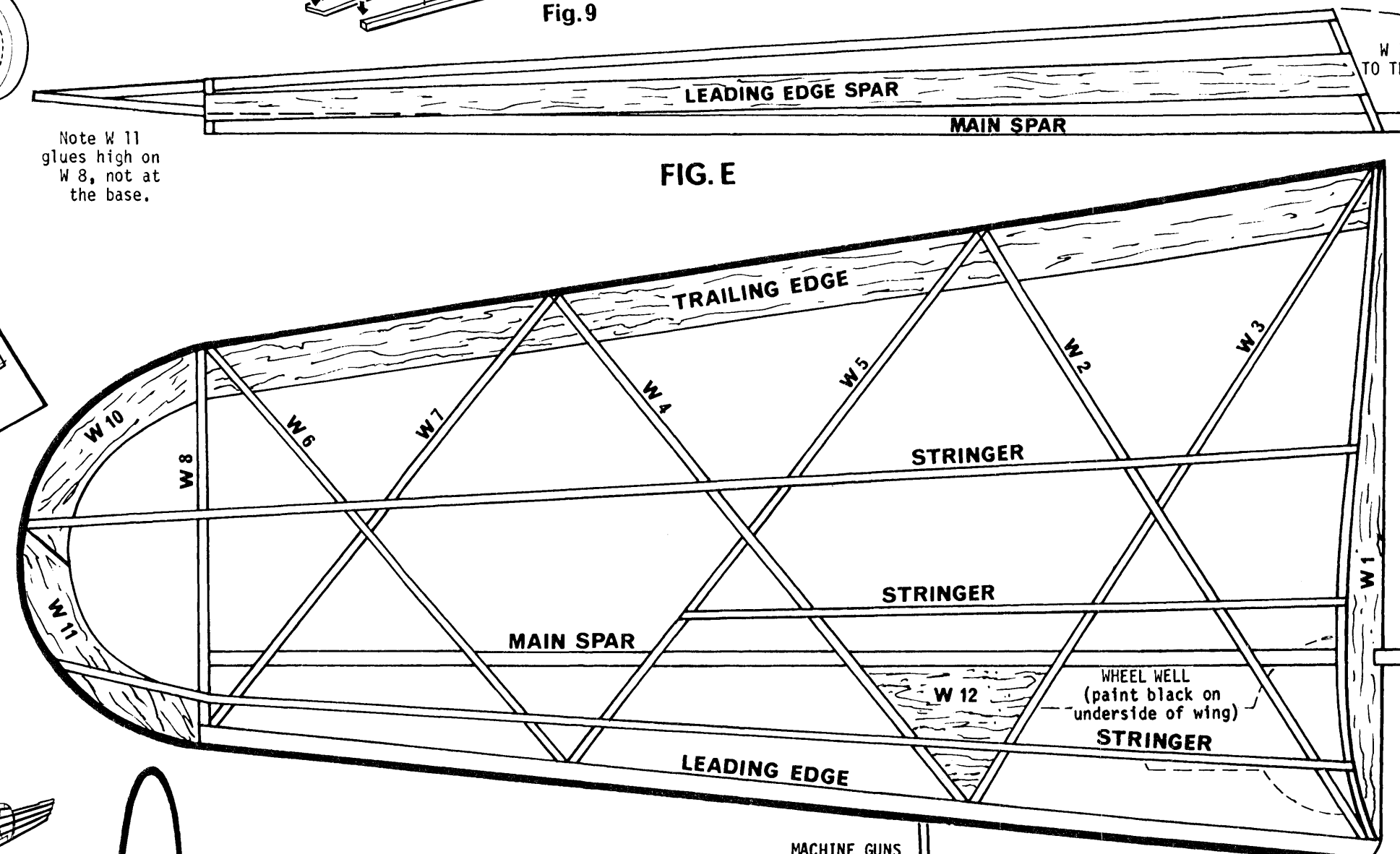


FIG. E

W 1 TILTS TO THIS ANGLE WING ANGLE TEMPLATE

FIG. D

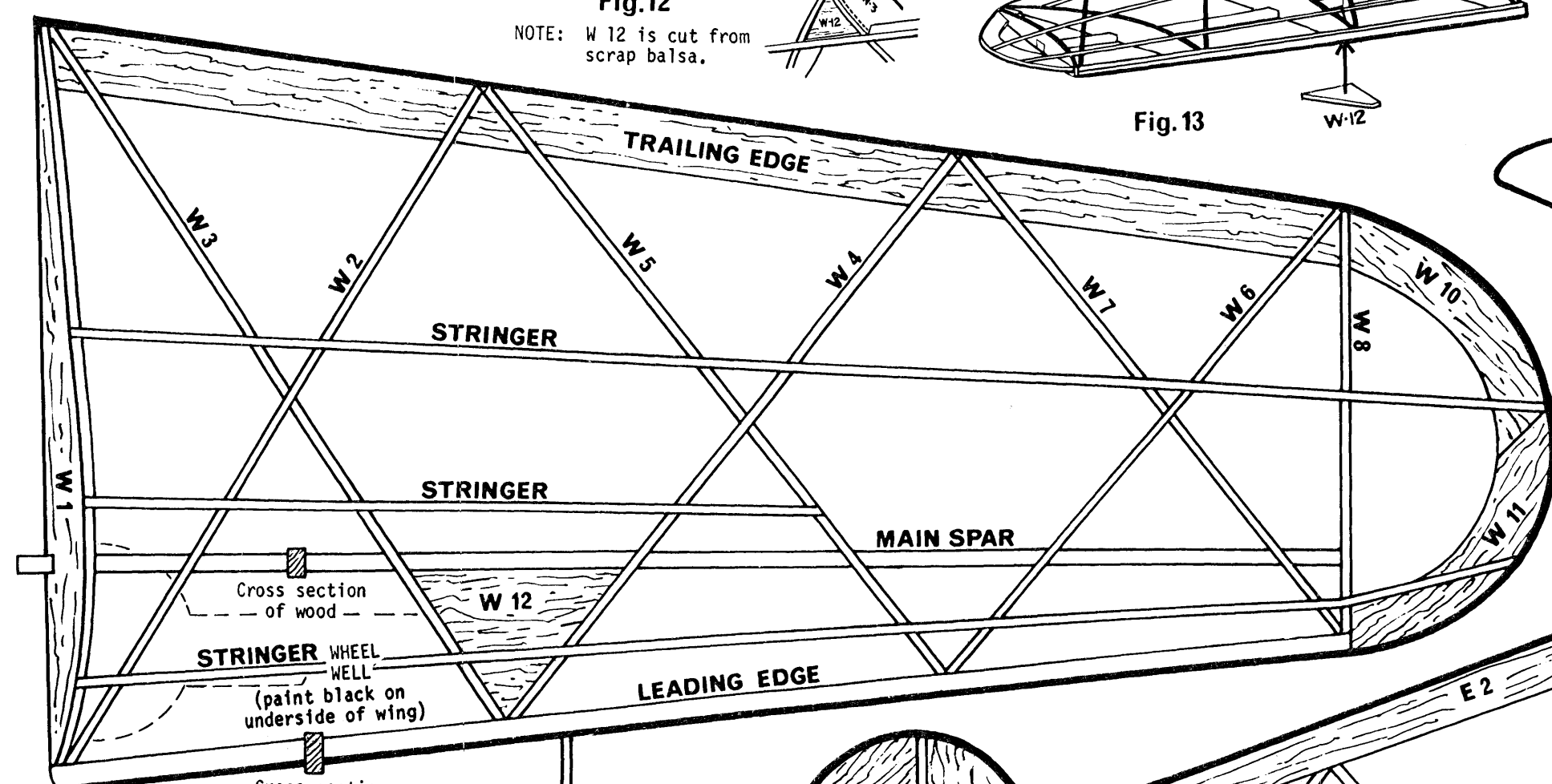


FIG. D

Make antenna out of scrap balsa.

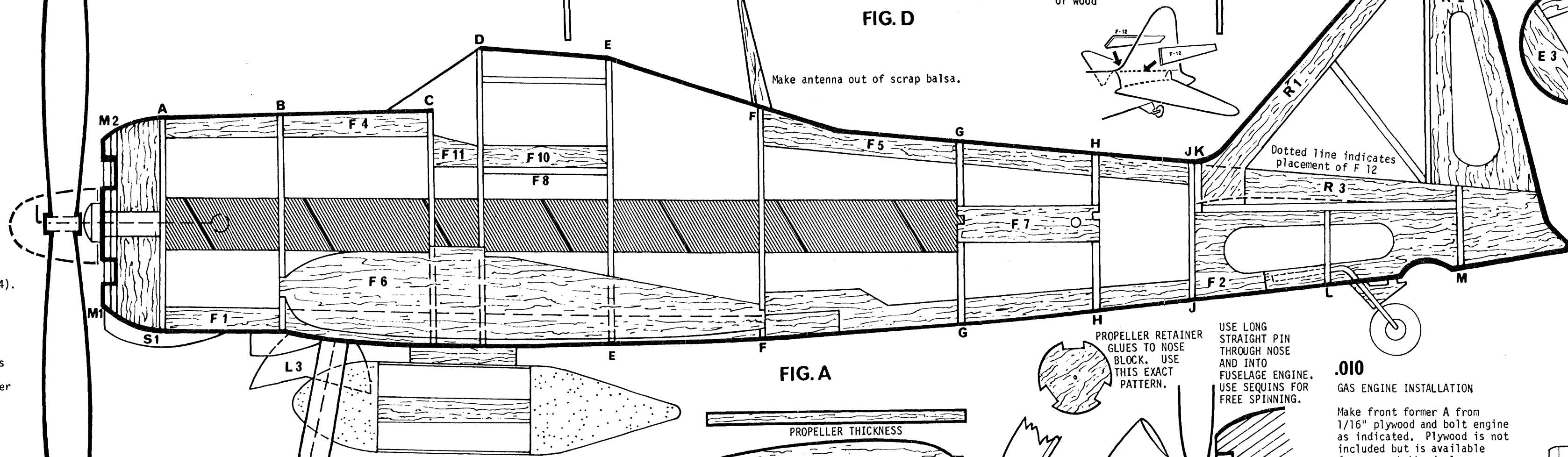


FIG. A

EXTERNAL FUEL TANK

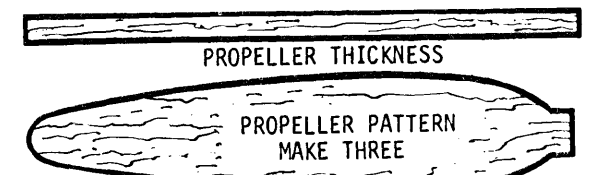
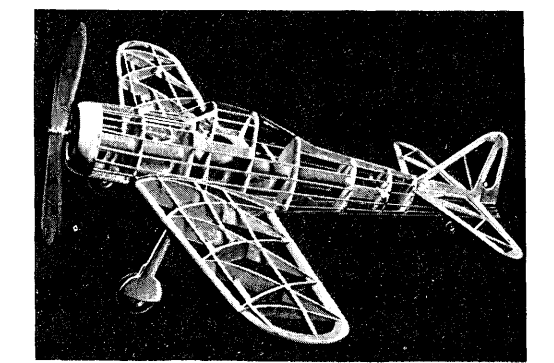


Fig. 21

CARVED, ROUNDED AND GLEUED TO RETAINER WITH BLADES

SANDED NOSE AND BLADES

PROPELLER RETAINER GLUES TO NOSE BLOCK. USE THIS EXACT PATTERN.

USE LONG STRAIGHT PIN THROUGH NOSE AND INTO FUSELAGE ENGINE. USE SEQUINS FOR FREE SPINNING.

.010 GAS ENGINE INSTALLATION Make front former A from 1/16" plywood and bolt engine as indicated. Plywood is not included but is available from your hobby dealer.

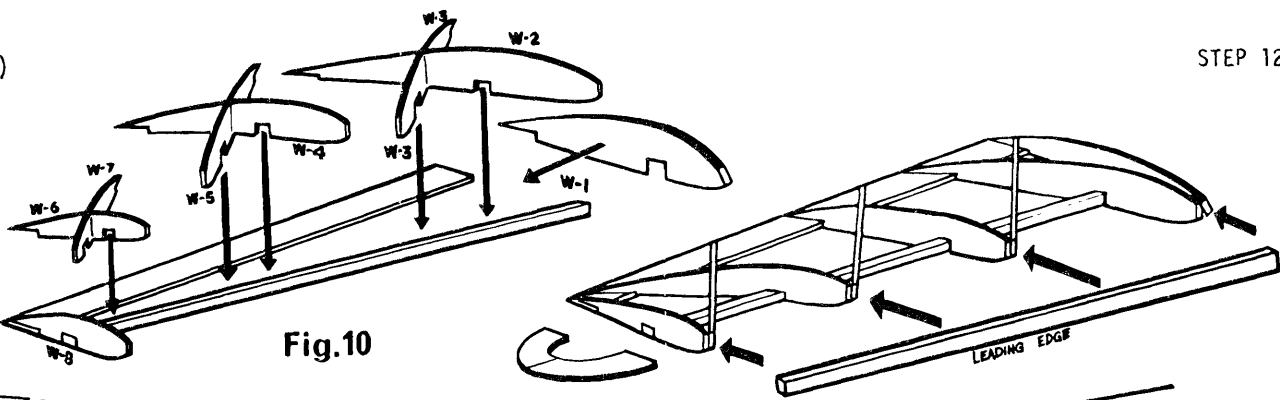
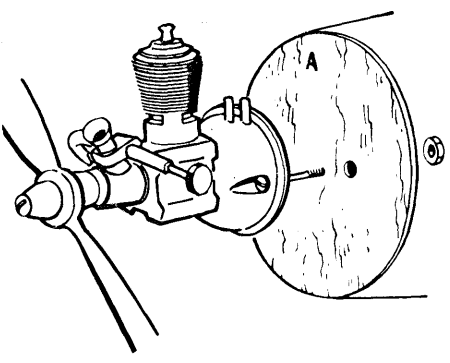


Fig. 10

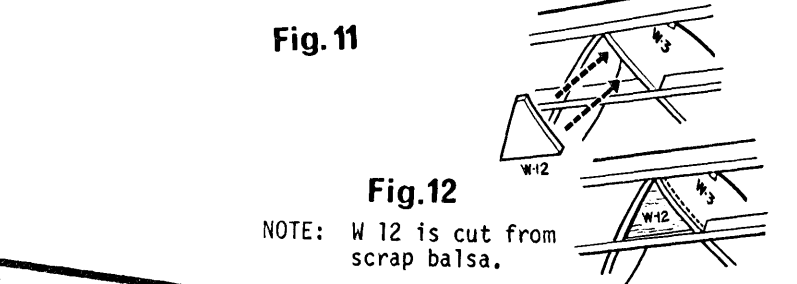


Fig. 11

NOTE: W 12 is cut from scrap balsa.

Fig. 12

STEP 12. Now glue W 10 to W 11. When dry, glue to W 8 (Fig. 11) at an angle shown in FIG. E. Cut leading edge spar to length (FIG. D) and glue to front of ribs, pin to hold in position while drying. (Note it will make assembly of leading edge easier if the tips of wing formers are sanded to a flat surface.) When dry pins may be removed. Proceed by gluing W 12 into place (Fig. 12). Now complete wing by gluing top stringers into notches (Fig. 13), trim off excess when dry. Repeat wing assembly steps for other wing half. Finish leading edges by trimming excess wood and sanding to rounded edge (Fig. 14). Trailing edges can also be sanded and rounded at this time.

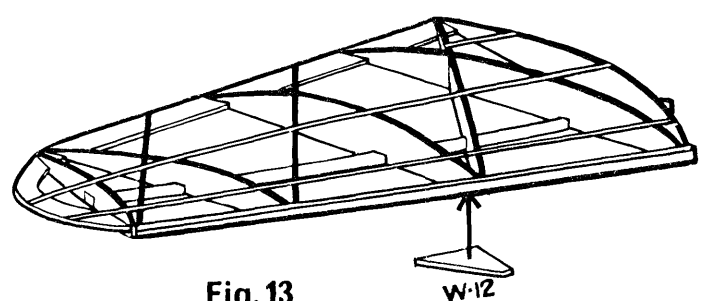


Fig. 13

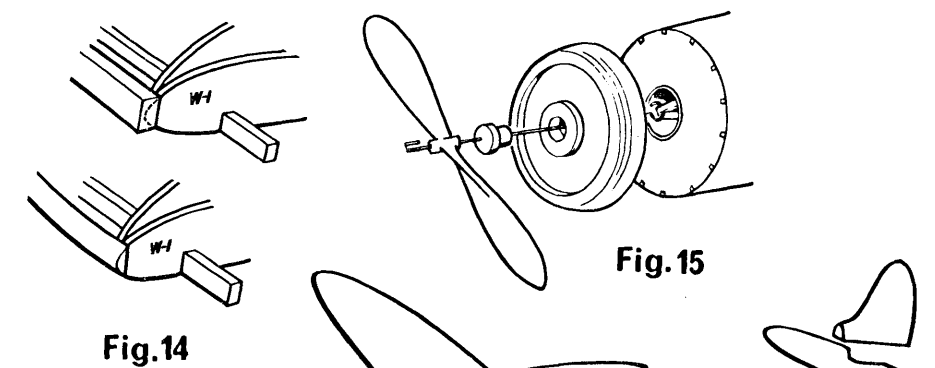


Fig. 14

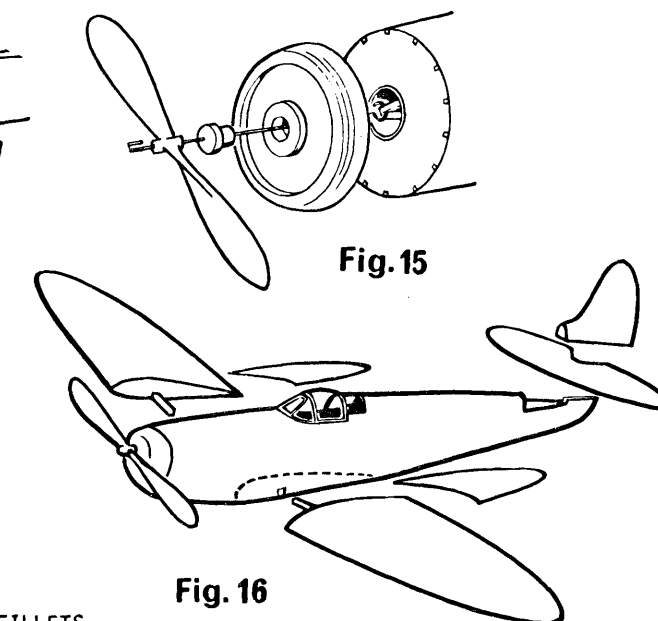


Fig. 15

Fig. 16

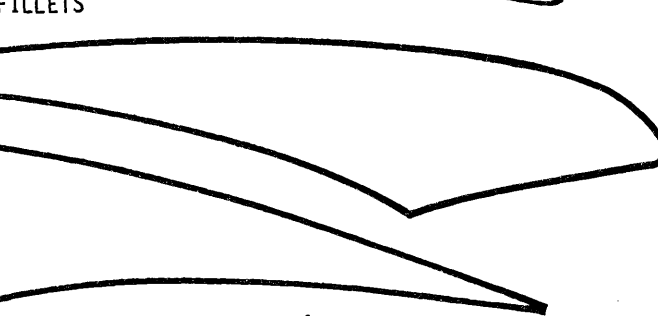


Fig. 17

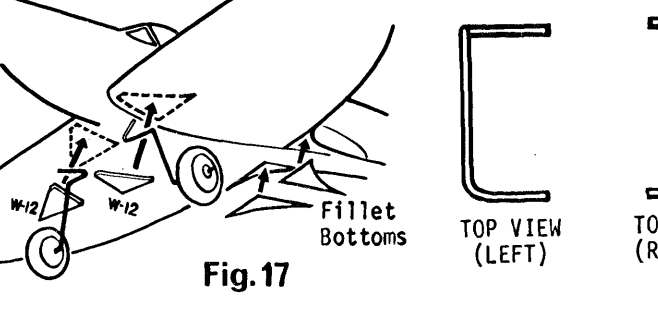


Fig. 17

STEP 13. Glue rudder in position over plan, cut cross bracing from 1/16" stringer wood to fit as shown (FIG. A). Glue stabilizer pieces in place as in FIG. F, using 1/16" stringer as indicated. Note E 4 has knife cuts that are made after it is dry and tissue covering has been completed.

STEP 14. Now sand fuselage, wings and tail pieces lightly, making sure no sharp edges protrude on surfaces that are to be covered with tissue. COVER THE PLANE WITH TISSUE. Refer to enclosed sheet for tips on covering your model with tissue.

STEP 15. Insert propeller, button, hook and rubber band (cut to length and tied with square knot) into fuselage tube. Fasten rubber band at rear with dowel thru F 7 (Fig. 15).

STEP 16. Glue wings, fillets (paper) stabilizer and rudder to fuselage (Fig. 16). Glue F 12 to each side of rudder as indicated on FIG. A.

STEP 17. Glue landing gear wire between two W 12 pieces (Fig. 17). Bend wire as indicated. Glue L 1 and L 2 into position (Fig. 18).

RUDDER AND STABILIZER

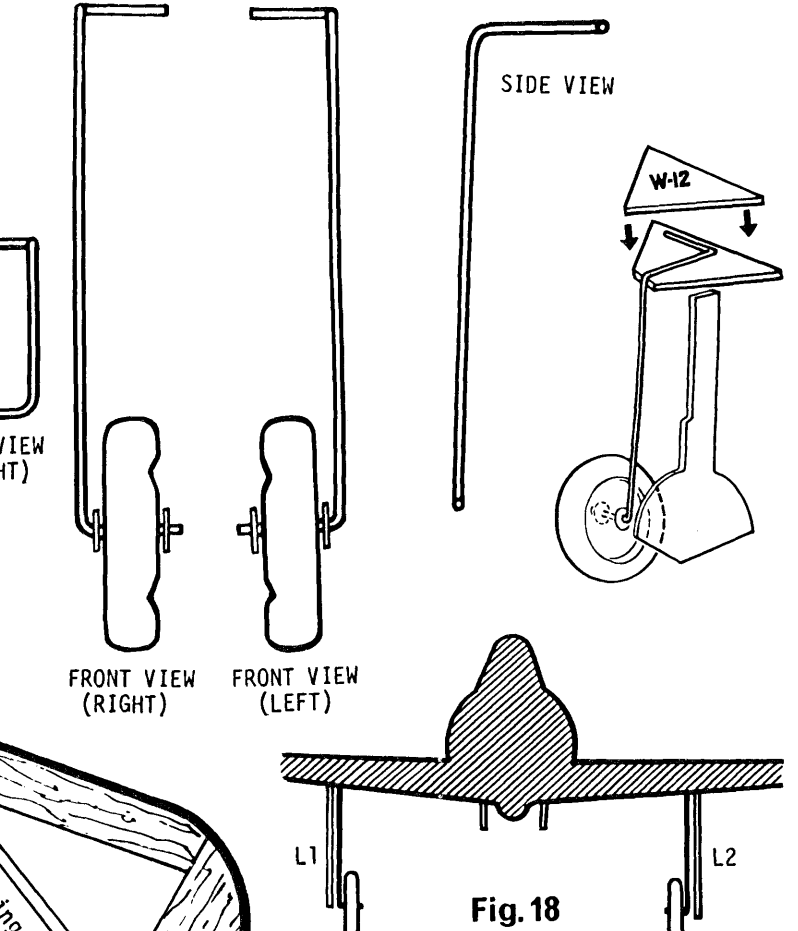


Fig. 18

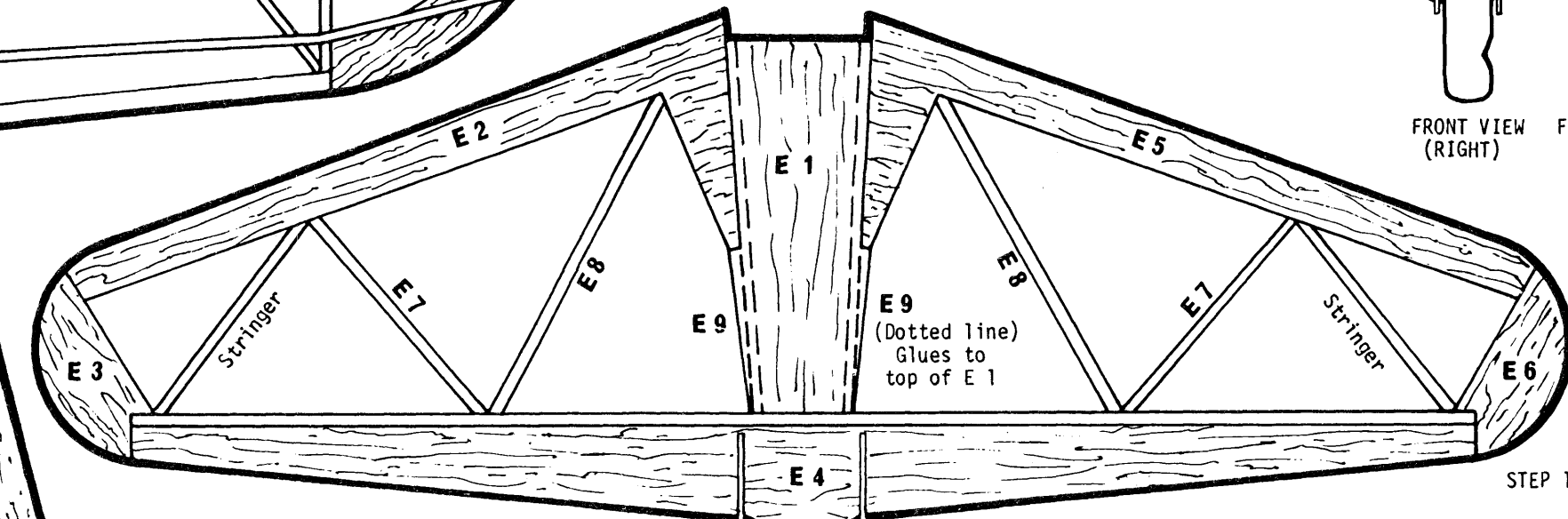


FIG. F

Make these fillets from scrap balsa and glue into position after rudder and stabilizer are in position on fuselage.

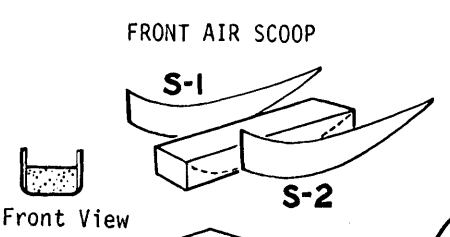


Fig. 19

STEP 18. To assemble front air scoop, sandwich S 1 and S 2 to a piece of scrap balsa and trim as indicated (Fig. 19). Round bottom edges by sanding. Construct external fuel tank using Fig. 19 and FIG. A as a guide. Glue air scoop, external fuel tank and oil cooler to underside of fuselage (Fig. 20).

EXTERNAL FUEL TANK CARVE TWO ENDS TO SHAPE AND JOIN WITH SCRAP Balsa, THEN WRAP WITH PAPER.

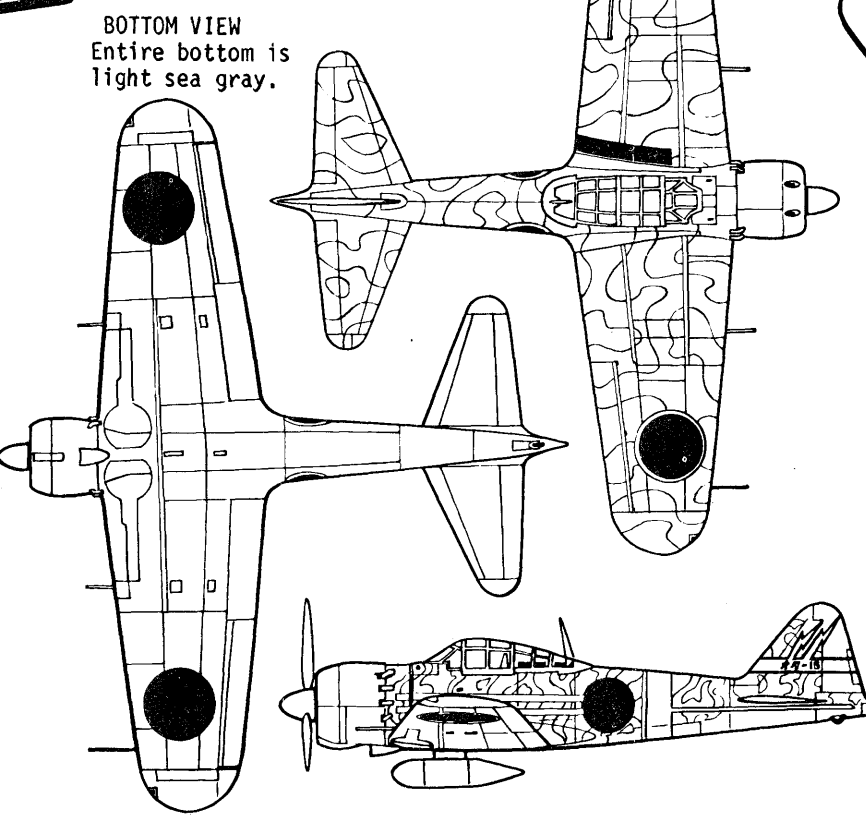


Fig. 20

PAIN T SCHEME
CANOPY, FUEL TANK - GUN METAL GRAY
RUDDER - YELLOW GREEN
FUSELAGE - YELLOW OCHRE WITH CARDBOARD BROWN CAMOUFLAGE PATTERN
COWLING - BLACK & OLIVE (SEE COVER ART)
NOSE - RED

MITSUBISHI ZERO A6M5

FEATURING SUPERX SPEED CONSTRUCTION
WINGSPAN 21 1/2 INCHES
LENGTH 17 INCHES
KIT NO. 1622
Designed by Dick Locher
COMET INDUSTRIES CORP., Chicago, Illinois 60609 © 1973

