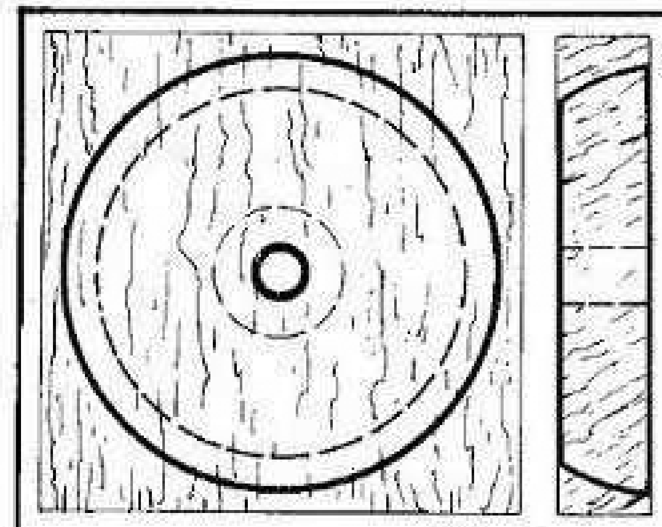


FIG. C

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.

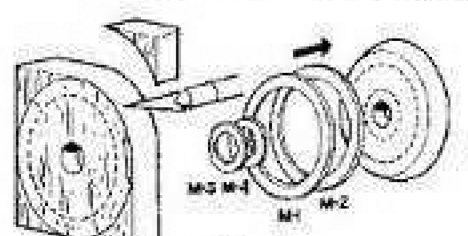


Fig.8

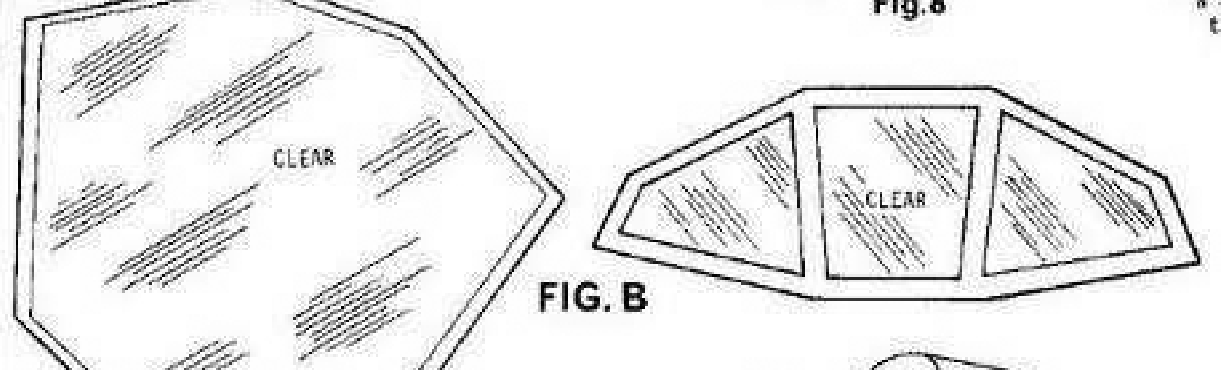


FIG. B

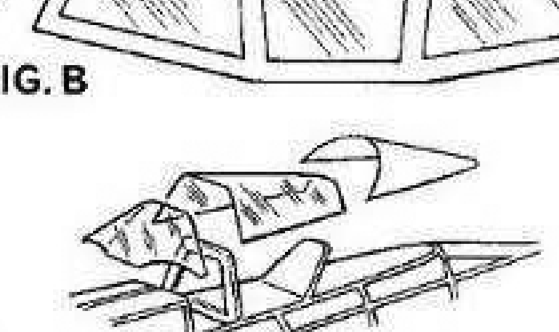


Fig.7

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

Fig.6

STEP 6. Glue on pieces F 8 to both sides (FIG. A).

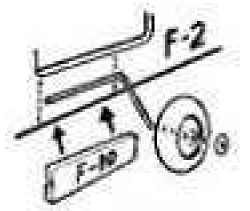


Fig.5

STEP 5. Glue F 9 along outer edge of former J and at the tip of F 2 on both sides of the fuselage (FIG. A). Now glue 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 F 10. Use a sequin and a drop of glue to hold wheel in place.

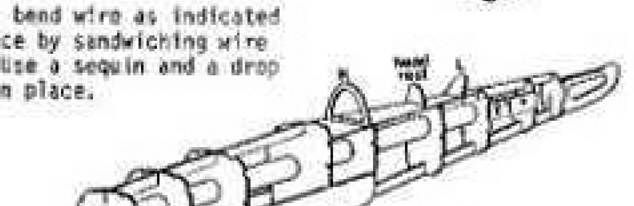


Fig. 4

STEP 3. Glue pieces F 5 and F 7 to each side (Fig. 4). Check alignment. Glue K, L and the head rest to F 6 as indicated in FIG. A.

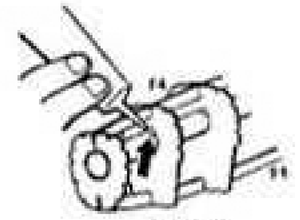


Fig.3

STEP 2. Insert fuselage guides F1, F 2, F 3 and F 4 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 2 and F 3 to hold H and J. Again check for proper alignment - THIS IS IMPORTANT! Glue F 6 to formers D, E, F and G (Fig. 2).

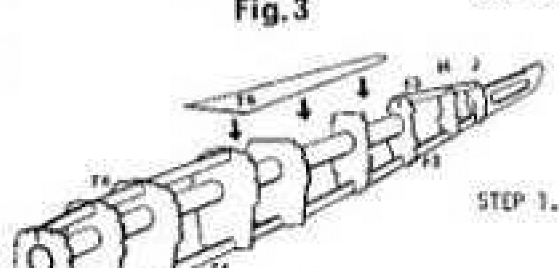


Fig.2

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.

Fig.1

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

START HERE WITH COMET'S SUPERXSPEED CONSTRUCTION

FUSELAGE CONSTRUCTION

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 (dinedral) template as a guide.

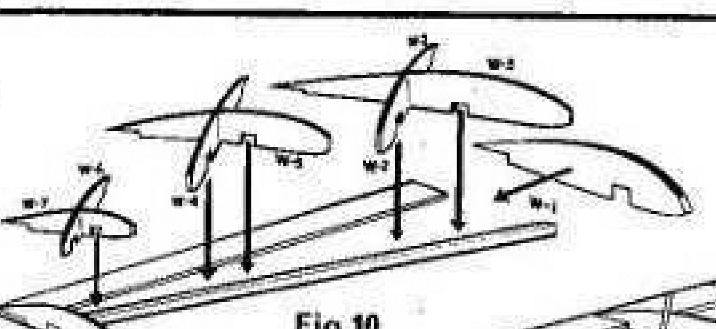


Fig.10

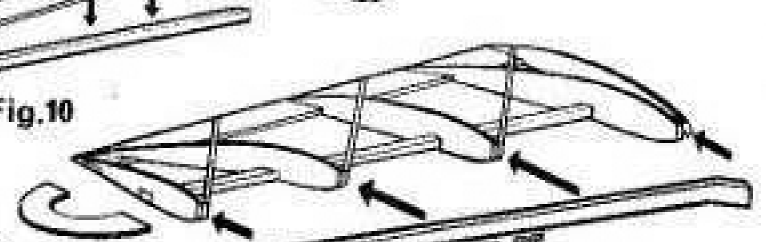


Fig.11

Step 12. Glue W 10 to W 8 (Fig. 11) at 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.) Cut leading edge spar part way to create the bend at W 11. Glue W 11 in position. 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 edge can also be sanded and rounded at this time.

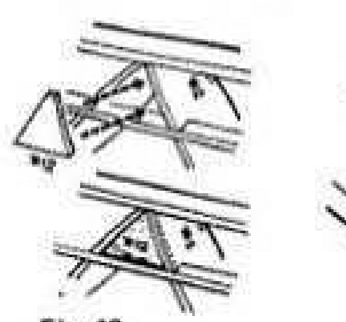


Fig.12

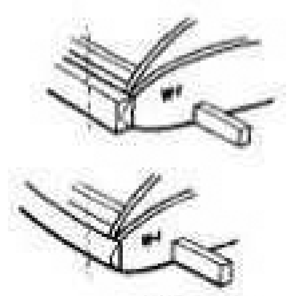


Fig.14

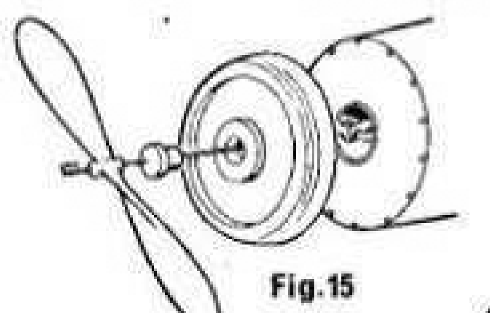


Fig.15

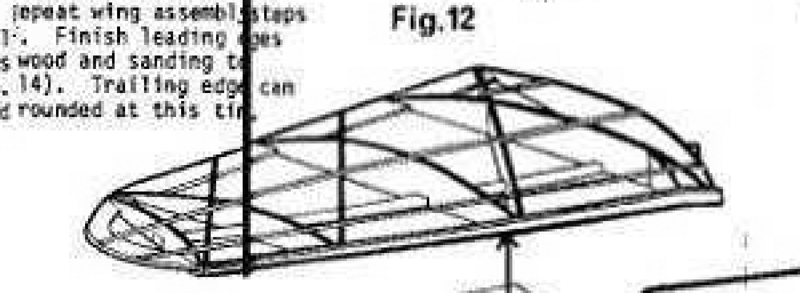
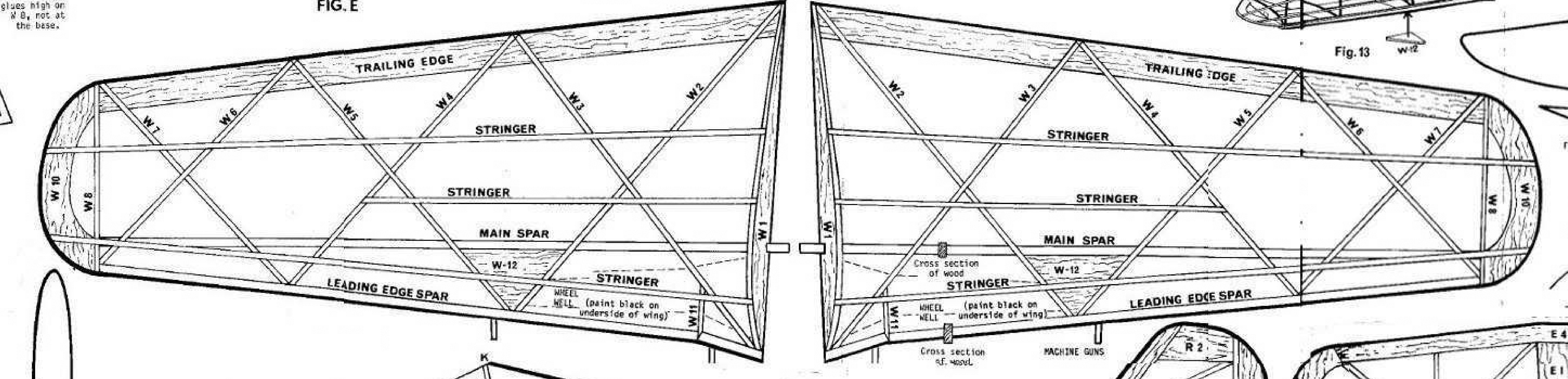


Fig.13

Fig. 16

Note W 10 glues high on W 8, not at the base.

FIG. E



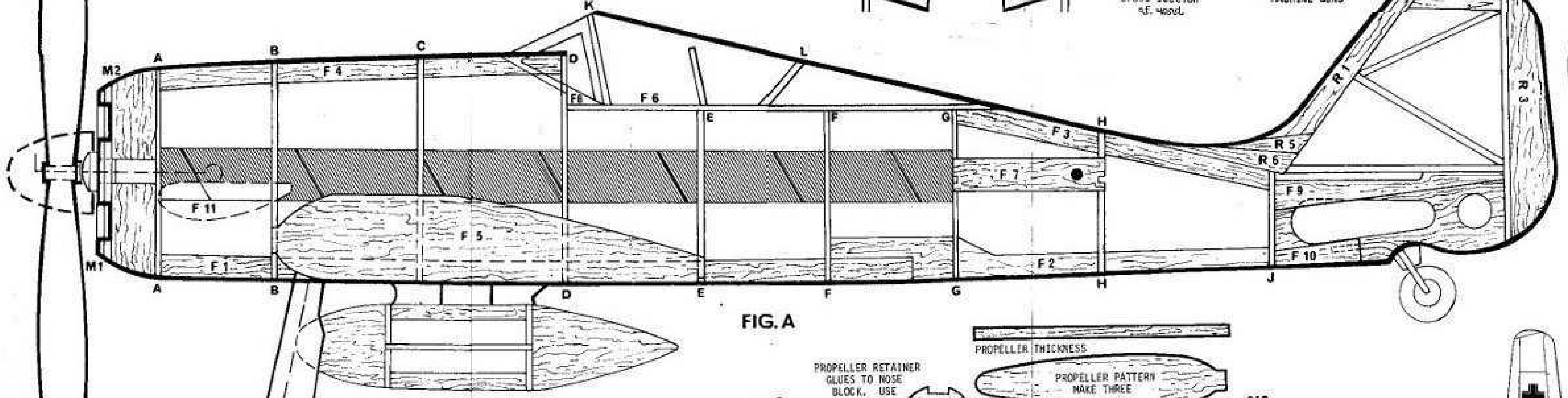


FIG. A

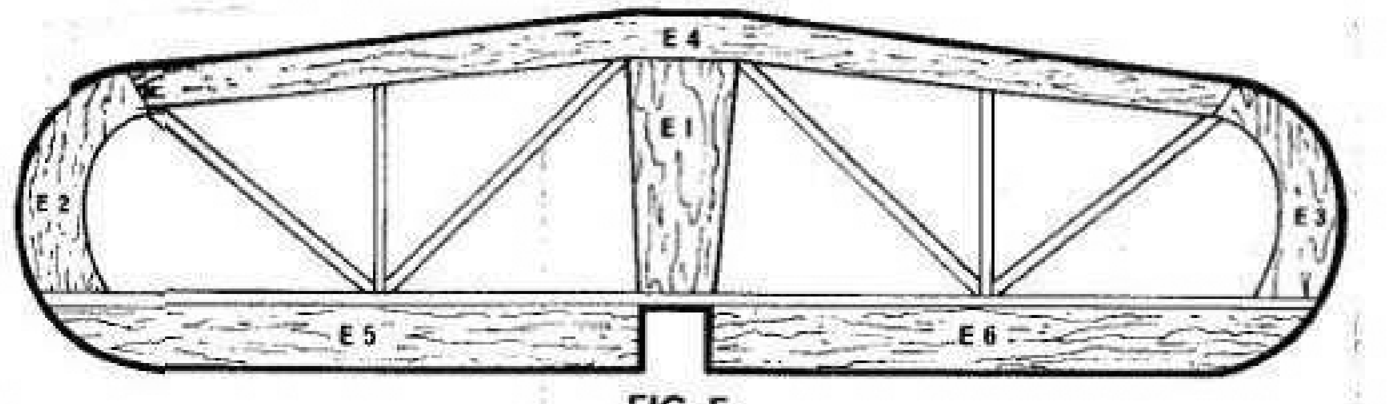


FIG. F

RUDDER AND STABILIZER

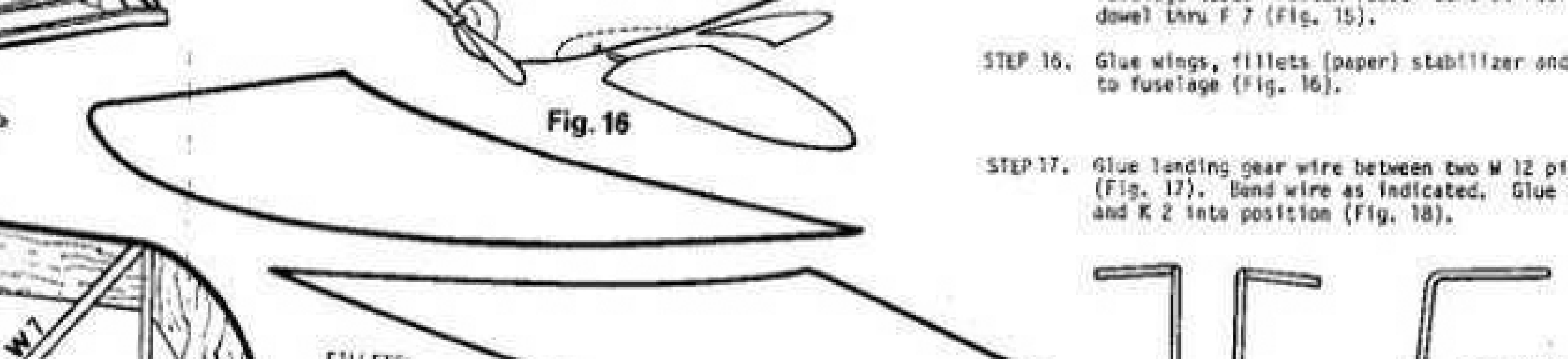
STEP 13. Glue rudder in position over plan, cut cross bracing from 1/16" stringer wood to fit as shown (FIG. A). When dry, glue on pieces R 5 and R 6 to both sides and sand to a smooth contoured surface. Glue stabilizer pieces in place as in FIG. F, using 1/16" stringer as indicated.

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).

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



FILLETS

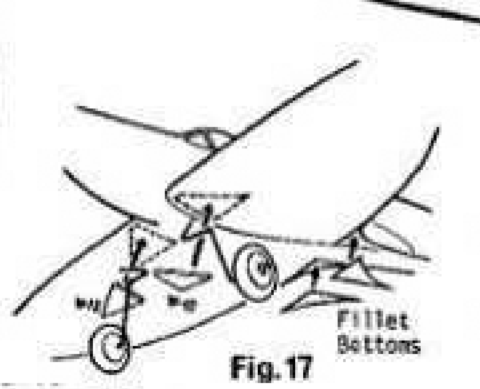
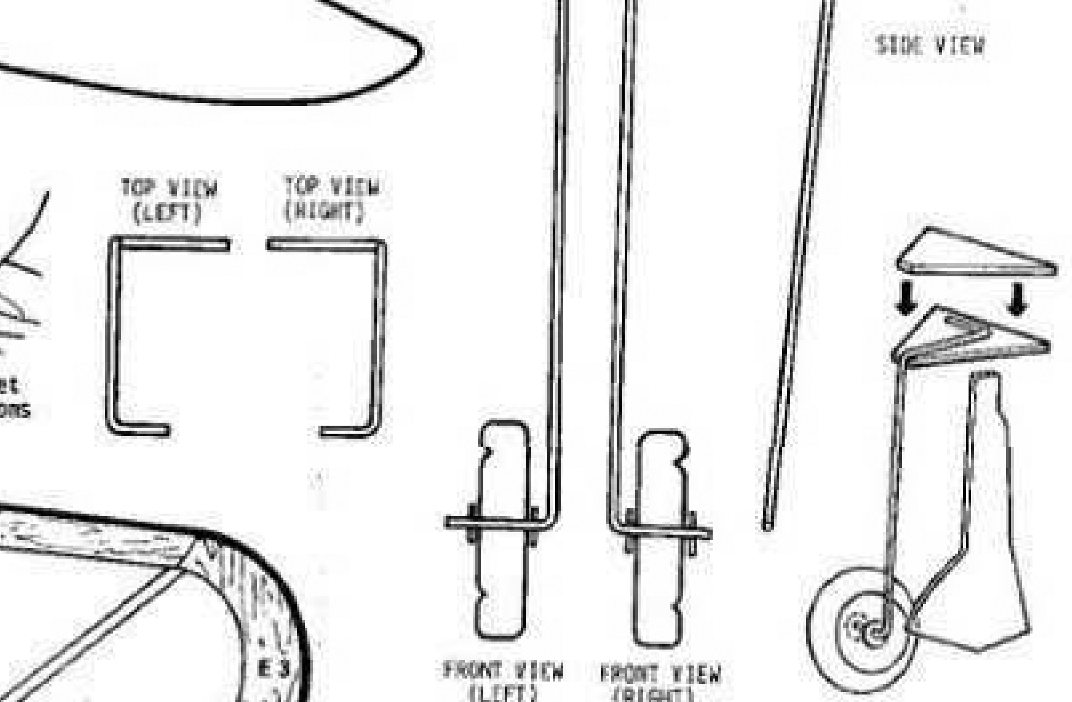


Fig.17



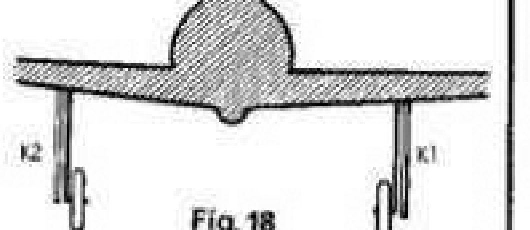


Fig.18

STEP 18. To assemble bulbous defasticater, glue F 11 and F 12 together. When dry, sand to a rounded surface (Fig. 19). Construct external fuel tank by carving two balsa blocks to shape using Fig. 19 and FIG. A as guides. Join with scrap balsa, then wrap with paper provided. Glue the pieces to underside of fuselage (Fig. 20) and to the side of the fuselage.

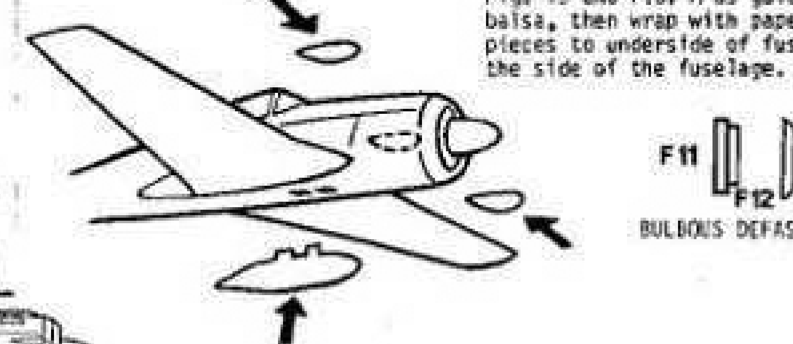


Fig. 20

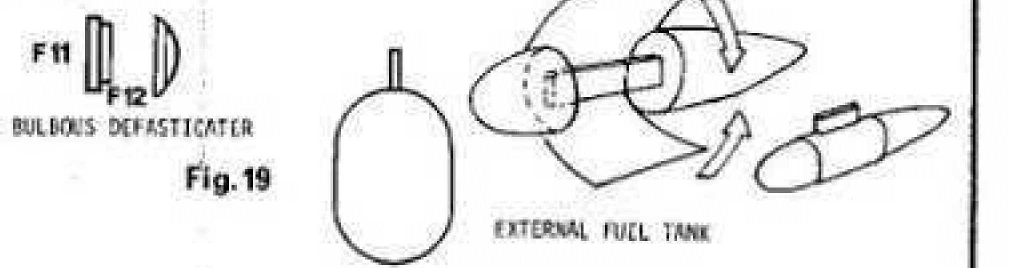
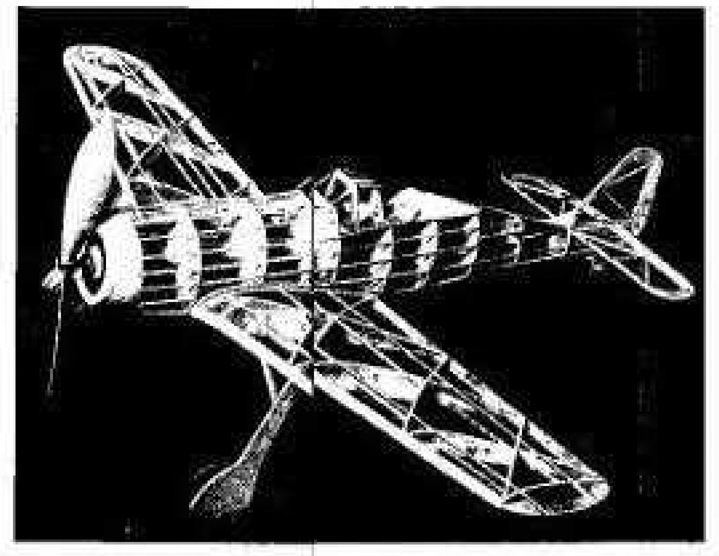


Fig.19



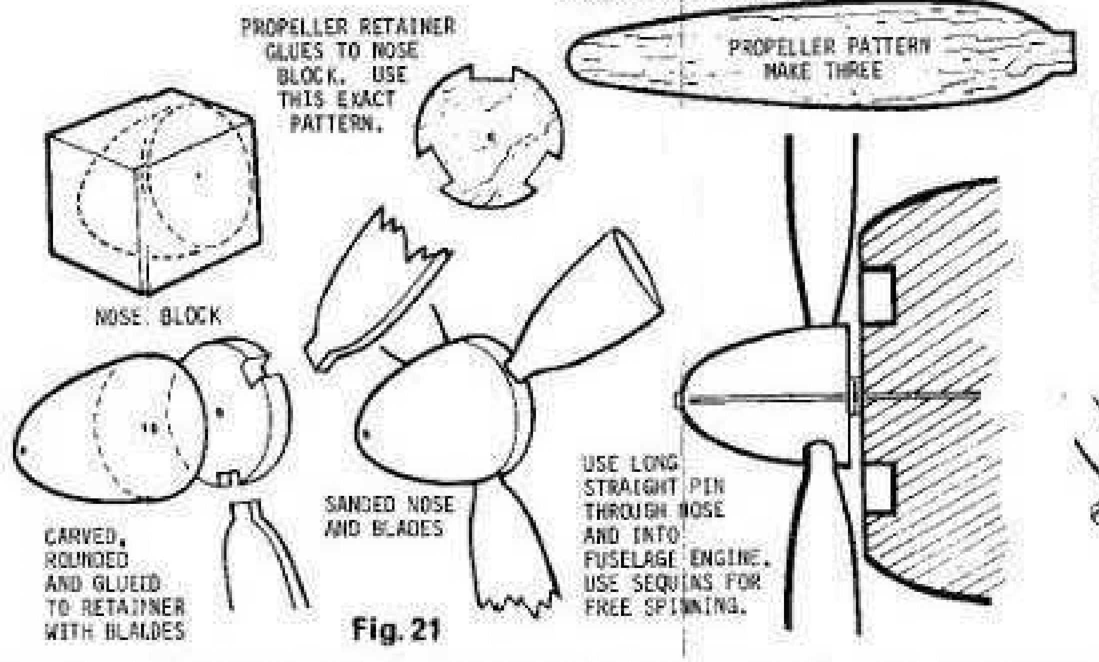
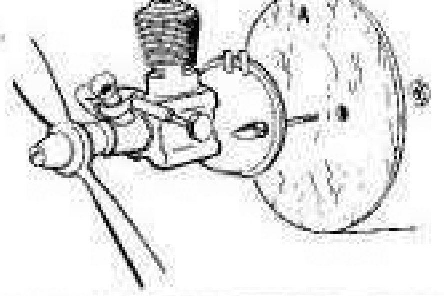
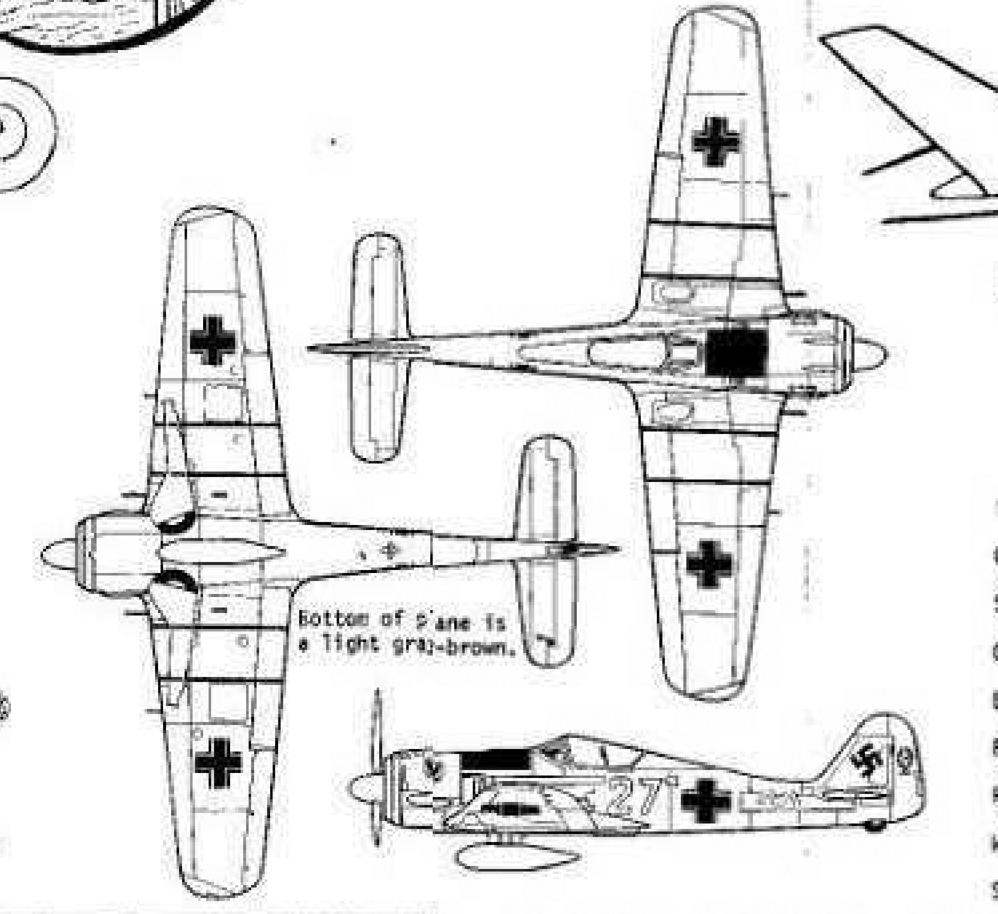


Fig. 21

.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.





PAINT SCHEME

COWLING - YELLOW

SPINNER - RED

CANOPY, PROP, TANK - GUN METAL GRAY

BLACK ANTI GLARE PANEL

FUSELAGE - REDDISH TAN

RUDDER - RED

WINGS - LIGHT BLUE-GRAY

SEE COVER ART

Focke-Wulf FW190A

FEATURING SUPERXSPEED CONSTRUCTION

WINGSPAN 21 INCHES

LENGTH 17 1/8 INCHES

KIT NO. 1621

Designed by Dick Locher