



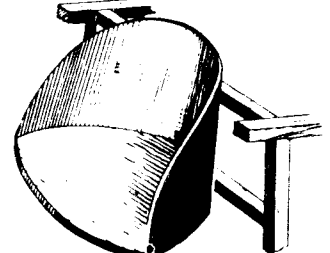
GENERAL INSTRUCTIONS BY JOE OTT
Study plans and sketches before starting any of the actual work. Pin plan to a soft board and use wax paper (not furnished) over plan to prevent the wood from sticking to the plan.

BALSA RIB SHEETS

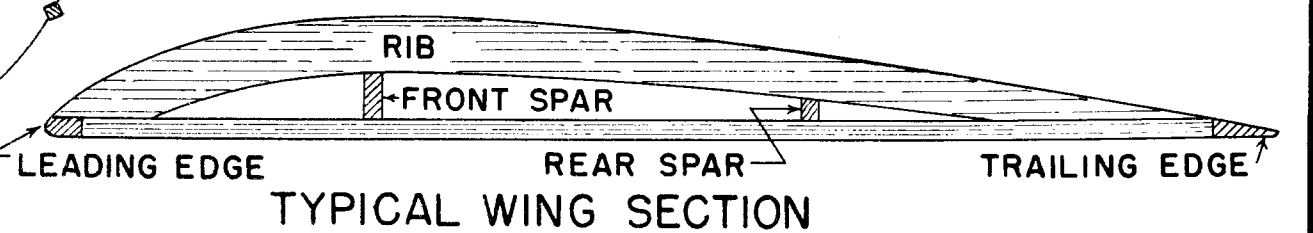
A balsa printed sheet with all ribs is supplied with each OTT-O-FORMER kit. These are cut out with a razor or very sharp knife.

STRIP WOOD

All strips are cut to the correct sizes. Select these parts carefully as construction proceeds. Use the firm pieces for the body foundation. In some cases these pieces are cut from bass or pine.



PILOT SEAT
MADE OF HEAVY PAPER AND BALSA WOOD. MATERIAL NOT FURNISHED.



TYPICAL BODY SECTION



TYPICAL RUDDER SECTION

RUDDER—STRIP WOOD AND OTT-O-FORMER TAGBOARD

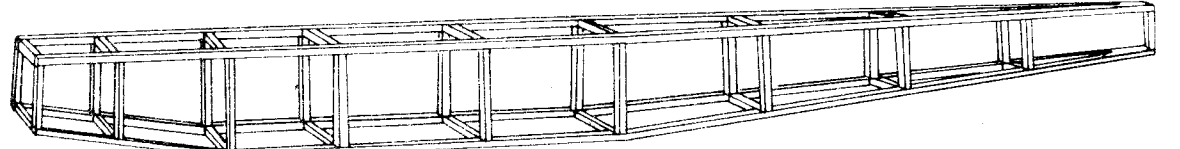
Complete the outside of OTT-O-FORMER rudder parts. Select proper size of strip wood, cement and assemble. Propeller, shaft and washers are supplied in each kit.

BODY—FOURTH STEP—STRIP WOOD

Cement stringers in notches on OTT-O-FORMERS to form the true shape of fuselage. It is a good plan to cement in centrally located stringers first (top, bottom, and sides) and then cement in the intermediate stringers.

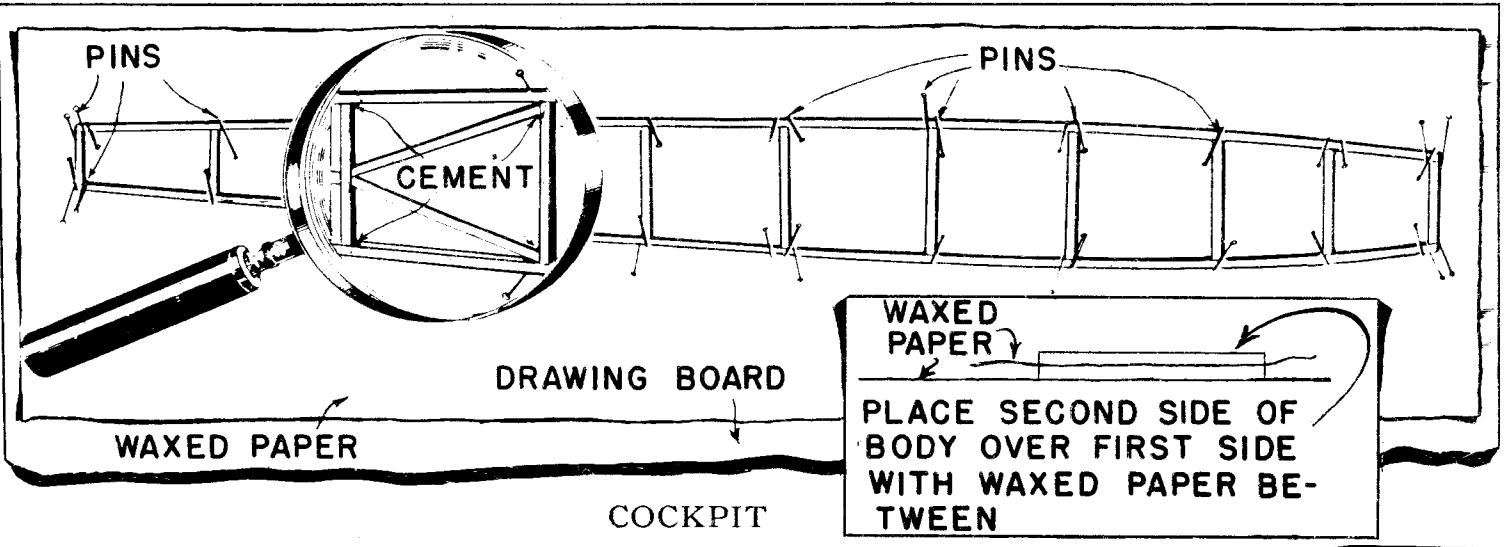
BODY FIRST STEP

Construct as illustrated, making two side sections. This is the first step of the OTT-O-FORMER foundation.



BODY—SECOND STEP—STRIP WOOD

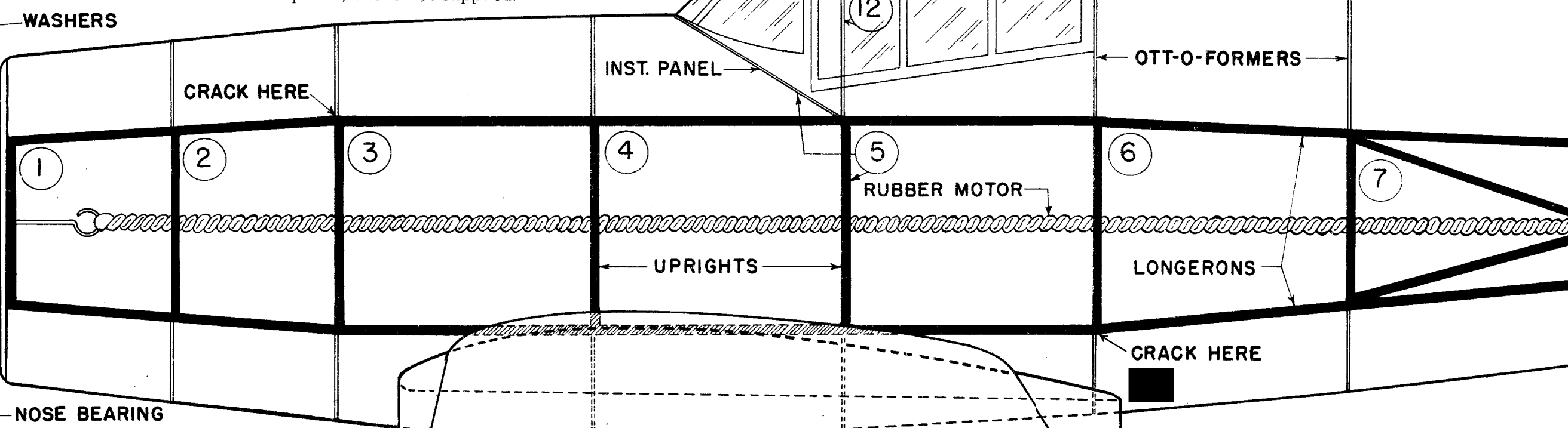
Cement the two sides together to form the general square part of OTT-O-FORMER foundation frame.



PLACE SECOND SIDE OF BODY OVER FIRST SIDE WITH WAXED PAPER BETWEEN

Cover with cellophane and stripe as illustrated for realistic effect. Cut out black lines to use in outlining controls. Black tissue may be used where required, but is not supplied.

NOSE SPINNER



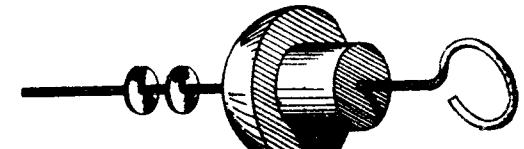
SIDE VIEW

LANDING GEAR

Material: Constructed from strip wood or curved parts. With OTT-O-FORMERS to match where necessary.

PROPELLER

Most modern airplanes have three bladed propellers but to simplify the construction of the propeller, a two-blade or one-piece type is supplied in most kits.

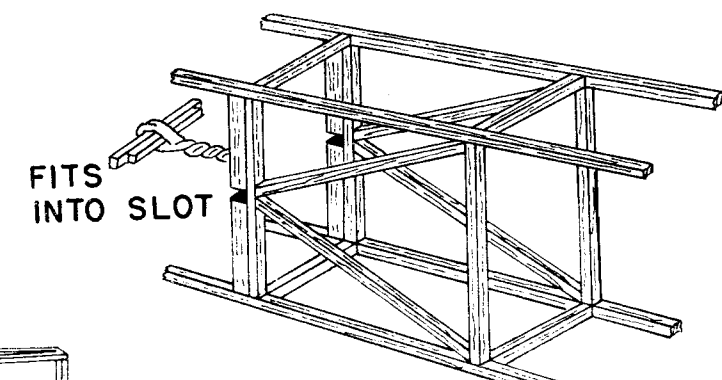


WASHER, NOSE PLUG AND SHAFT ASSEMBLED MOTOR SHAFT

Steel shaft, bent to shape, is supplied with each kit.

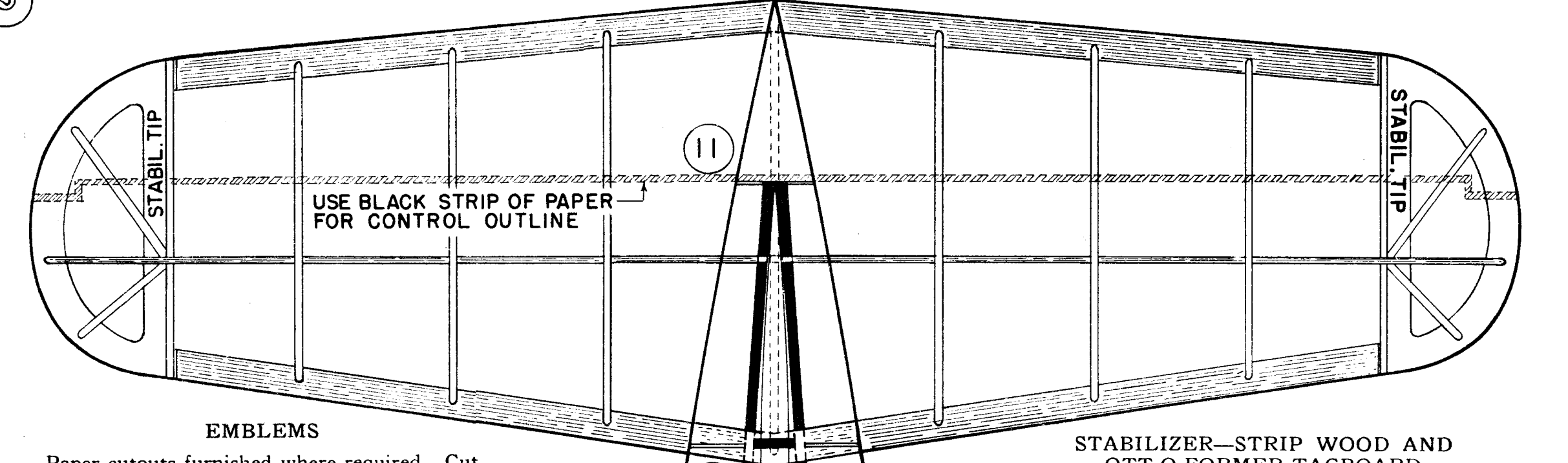
BODY—THIRD STEP—OTT-O-FORMER TAGBOARD

Complete the outside of the OTT-O-FORMERS, push out the centers and cut notches on the outside where indicated, with a razor blade or sharp pair of scissors. Slip the formers over the foundation frame and cement in proper places.



FUSELAGE SECTION SHOWING RUBBER MOTOR ATTACHMENT

FITS INTO SLOT



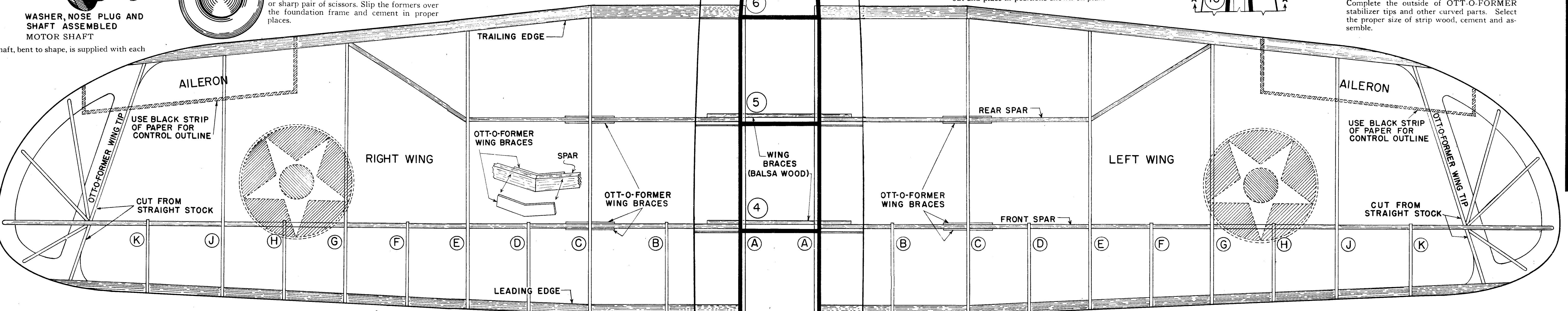
TYPICAL STABILIZER SECTION

EMBLEMS

Paper cutouts furnished where required. Cut out and place in positions shown on plan.

STABILIZER—STRIP WOOD AND OTT-O-FORMER TAGBOARD

Complete the outside of OTT-O-FORMER stabilizer tips and other curved parts. Select the proper size of strip wood, cement and assemble.



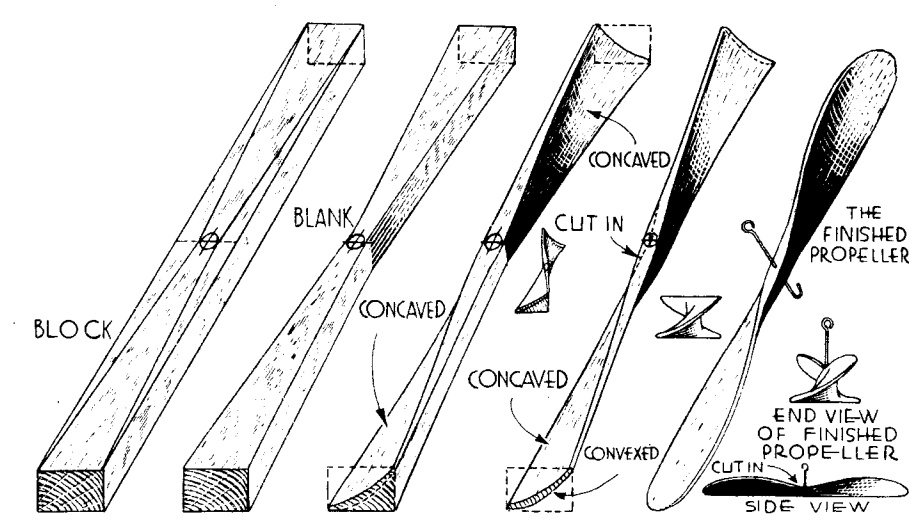
PLAN VIEW

BALANCING

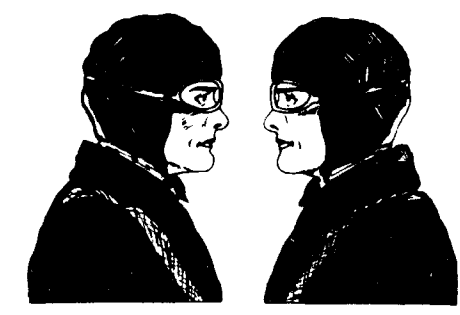
Heavy iron weight or lead shot (not furnished). Add a few to nose until model balances when suspended by the forefinger at the center of the wing tips.

FLYING

After model has been balanced, check gliding qualities, and then wind the propeller about 50 to 75 times for its first trial flight.



HOW TO CARVE AN EXTRA PROPELLER

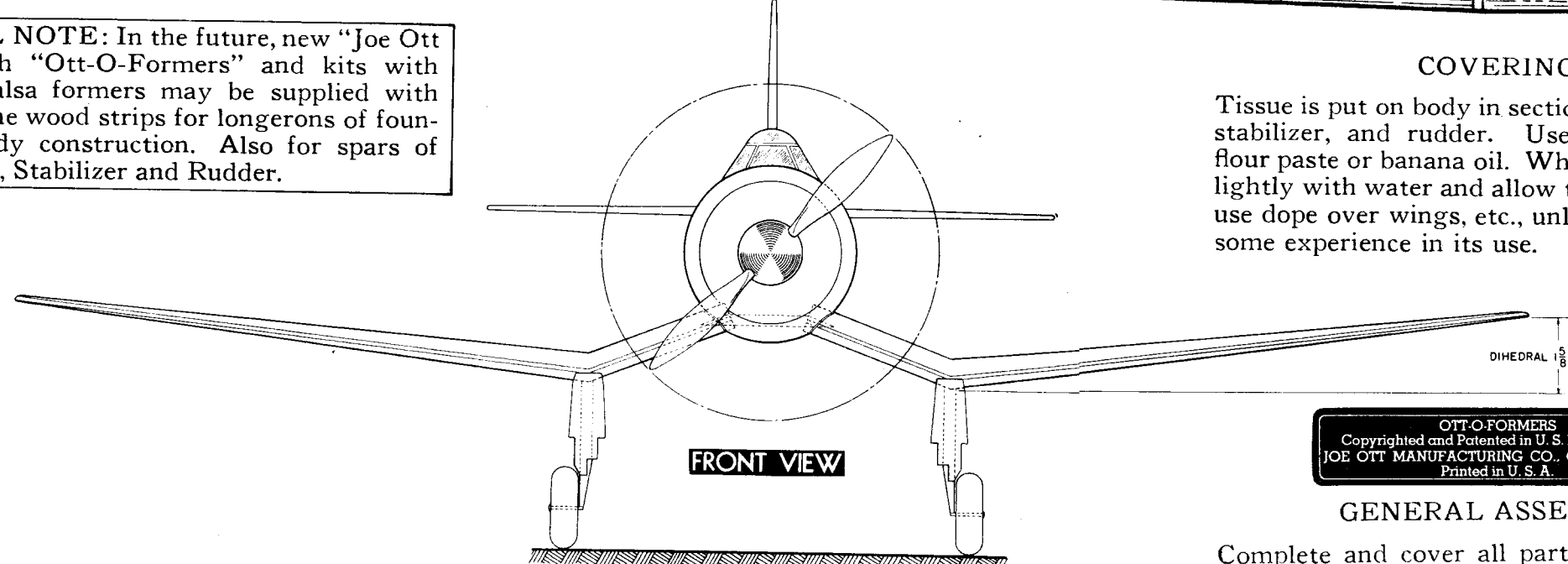


PILOT

Paper cutouts are furnished on the plan. Cement two opposites together and mount in cockpit.

This construction is covered by U. S. Letters Patent Number 2281792

SPECIAL NOTE: In the future, new "Joe Ott Kits" with "Ott-O-Formers" and kits with regular balsa formers may be supplied with bass or pine wood strips for longerons of foundation body construction. Also for spars of the Wings, Stabilizer and Rudder.



FRONT VIEW

COVERING

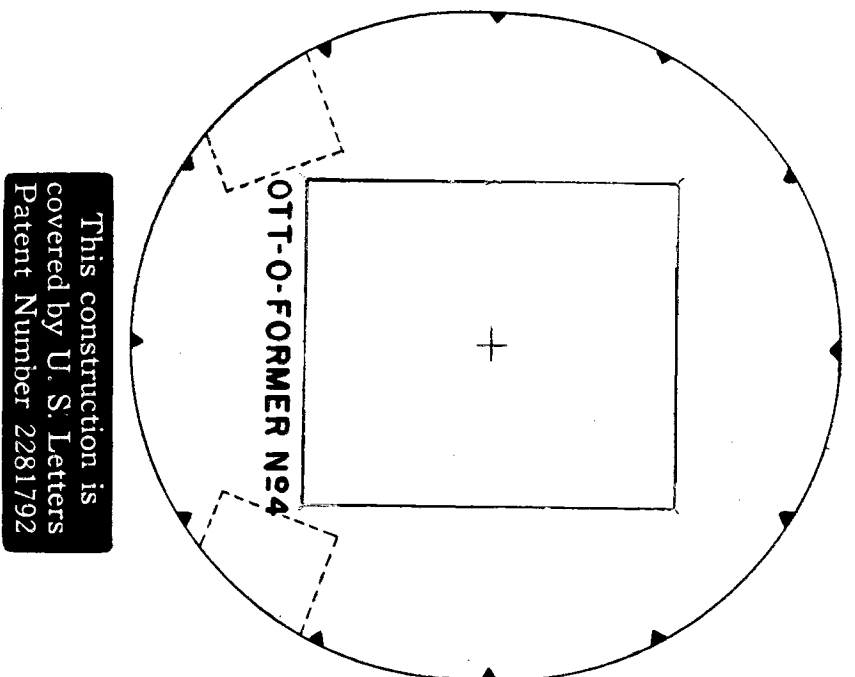
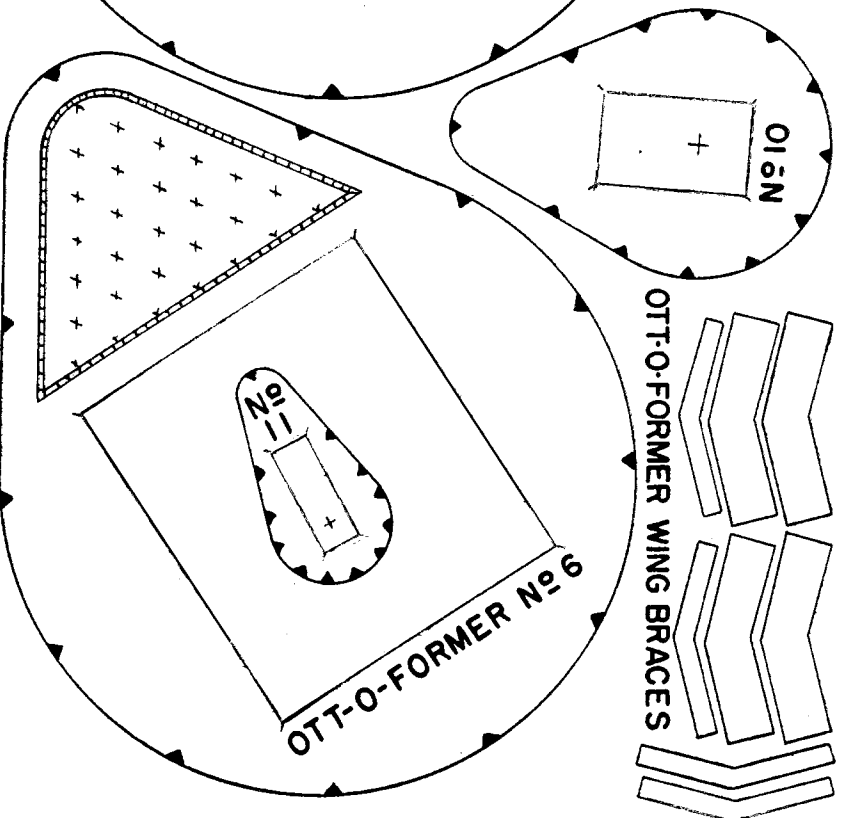
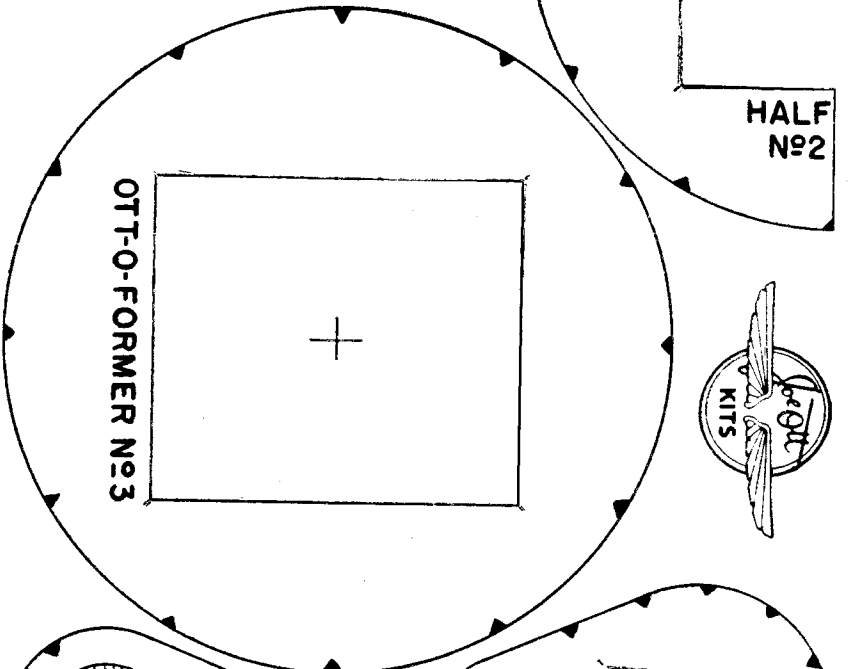
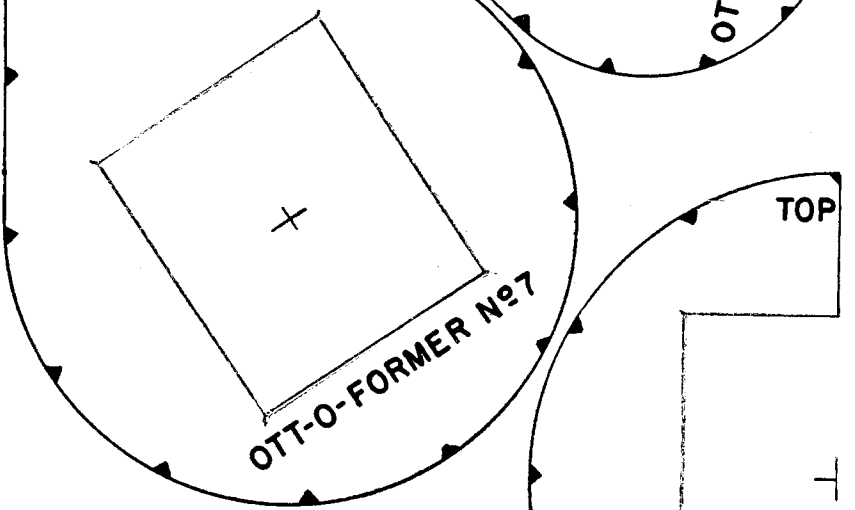
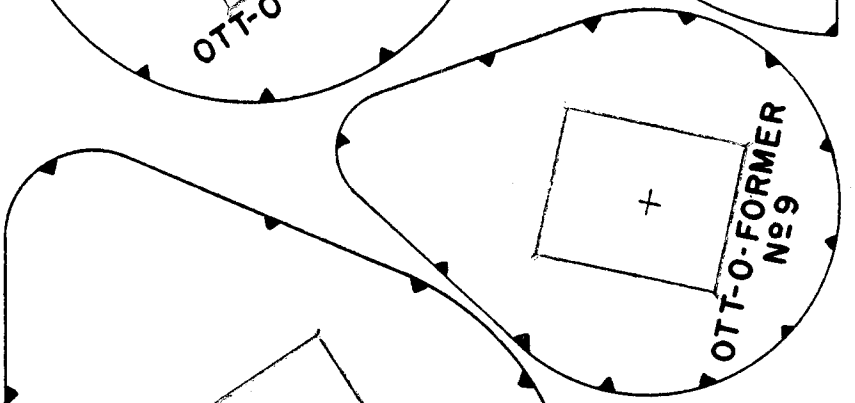
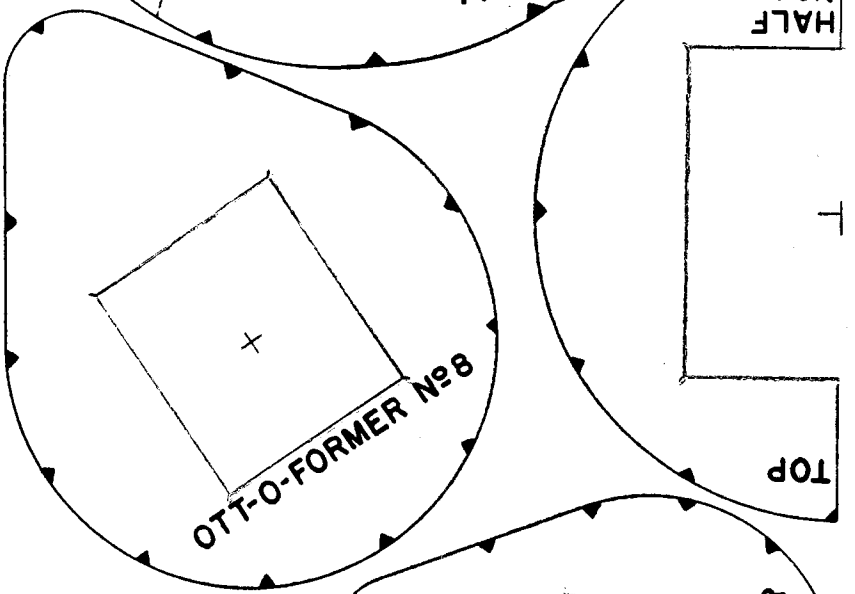
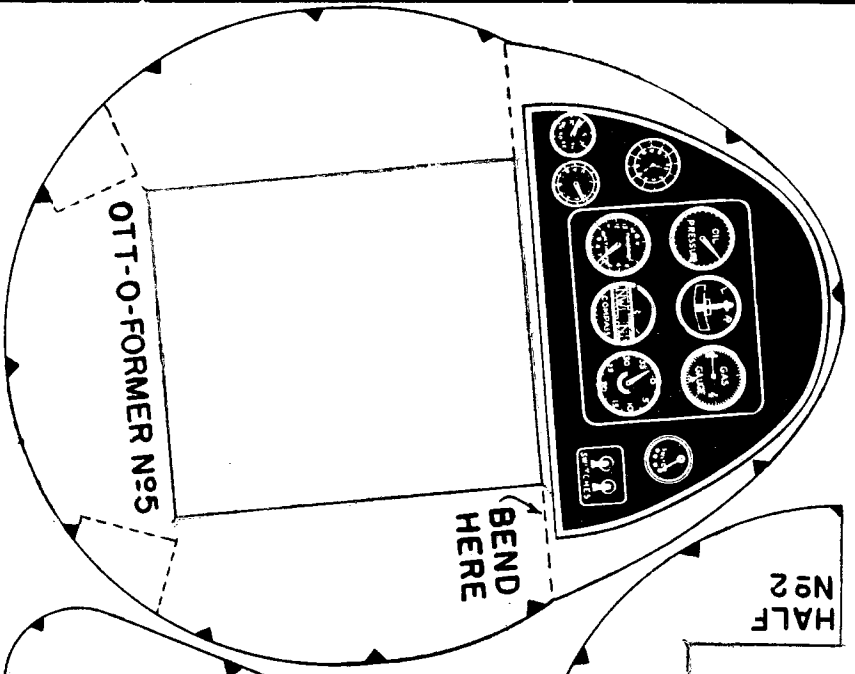
Tissue is put on body in sections. Cover wing, stabilizer, and rudder. Use diluted cement, flour paste or banana oil. When covered, spray lightly with water and allow to shrink. Do not use dope over wings, etc., unless you have had some experience in its use.

GENERAL ASSEMBLY

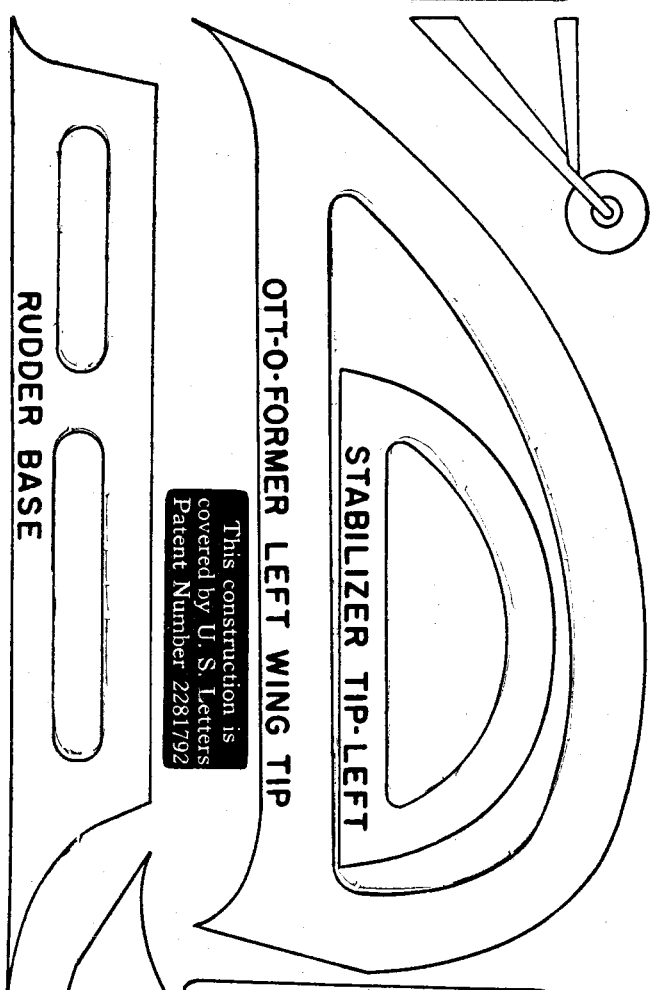
Complete and cover all parts, then assemble.

OTT-O-FORMERS
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Printed in U. S. A.

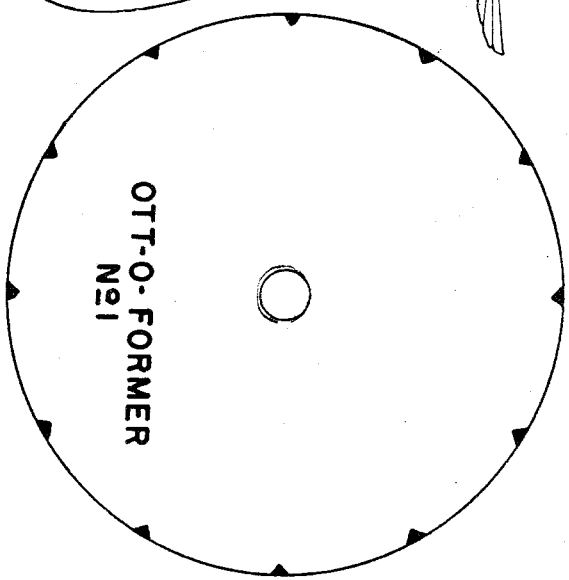
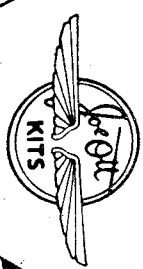
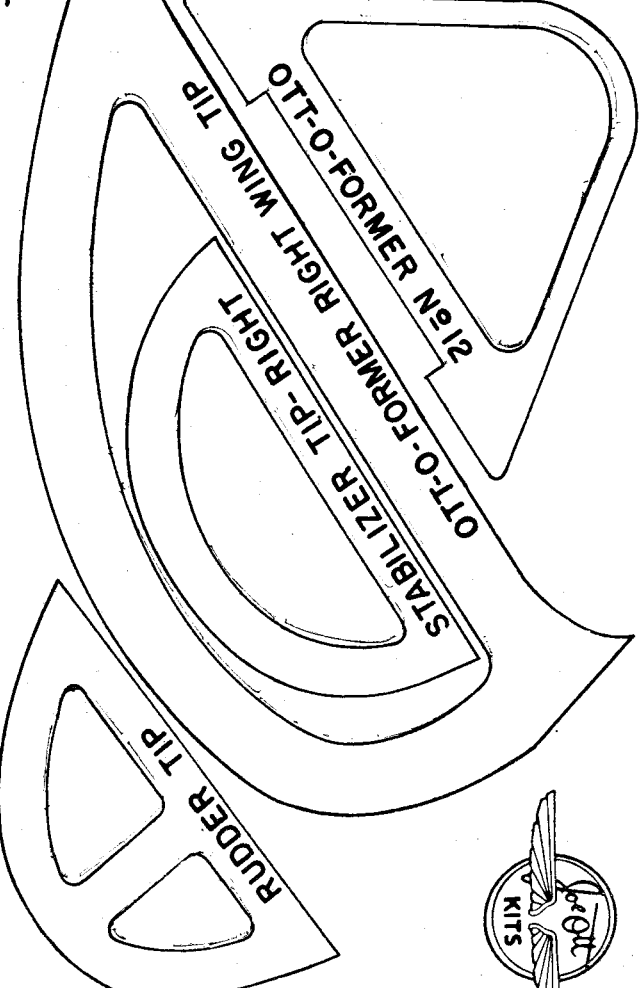
32" Vought Sikorsky
OTT-O-FORMER KIT
FULL SIZE PLANS
NAVY DIVE BOMBER FLYING MODEL No. 3218

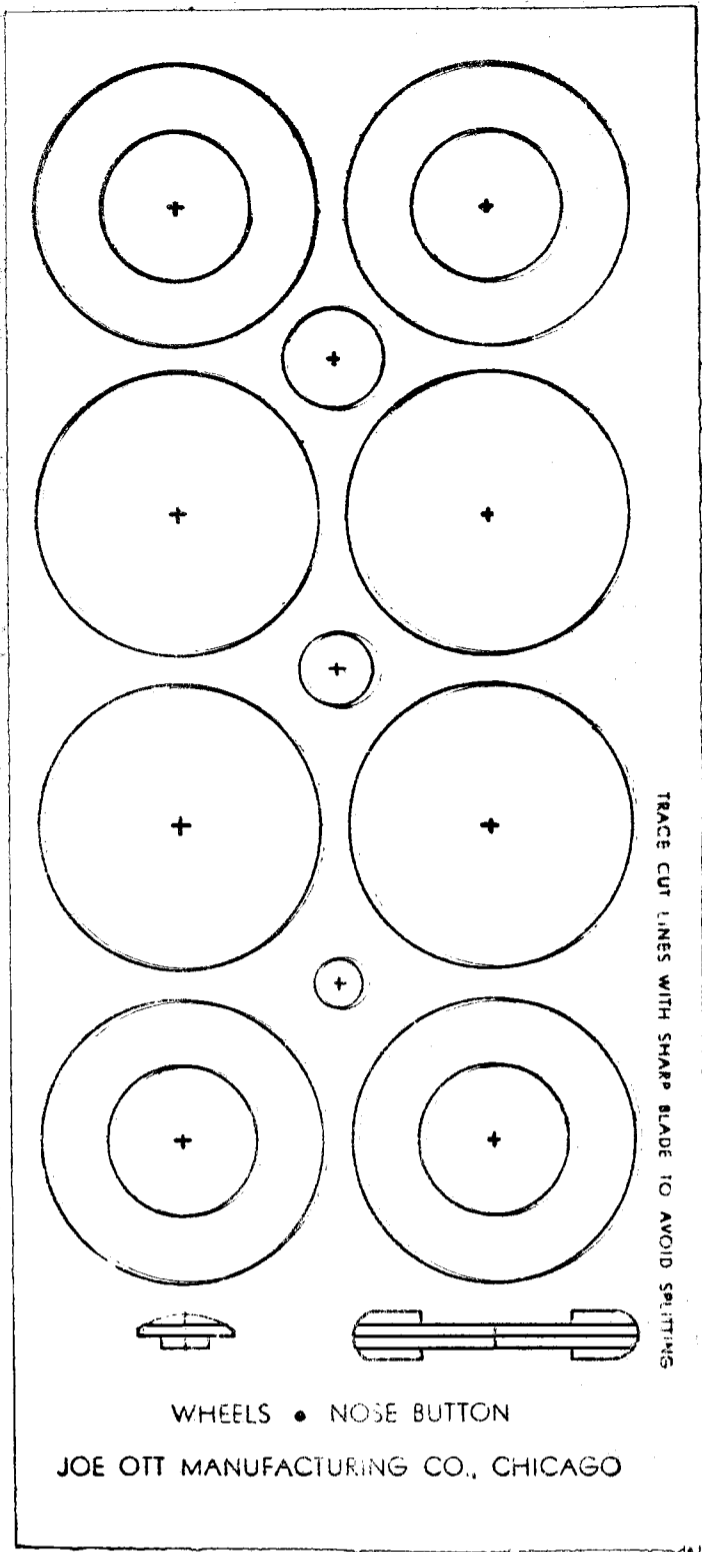


This construction is covered by U. S. Letters Patent Number 2281792

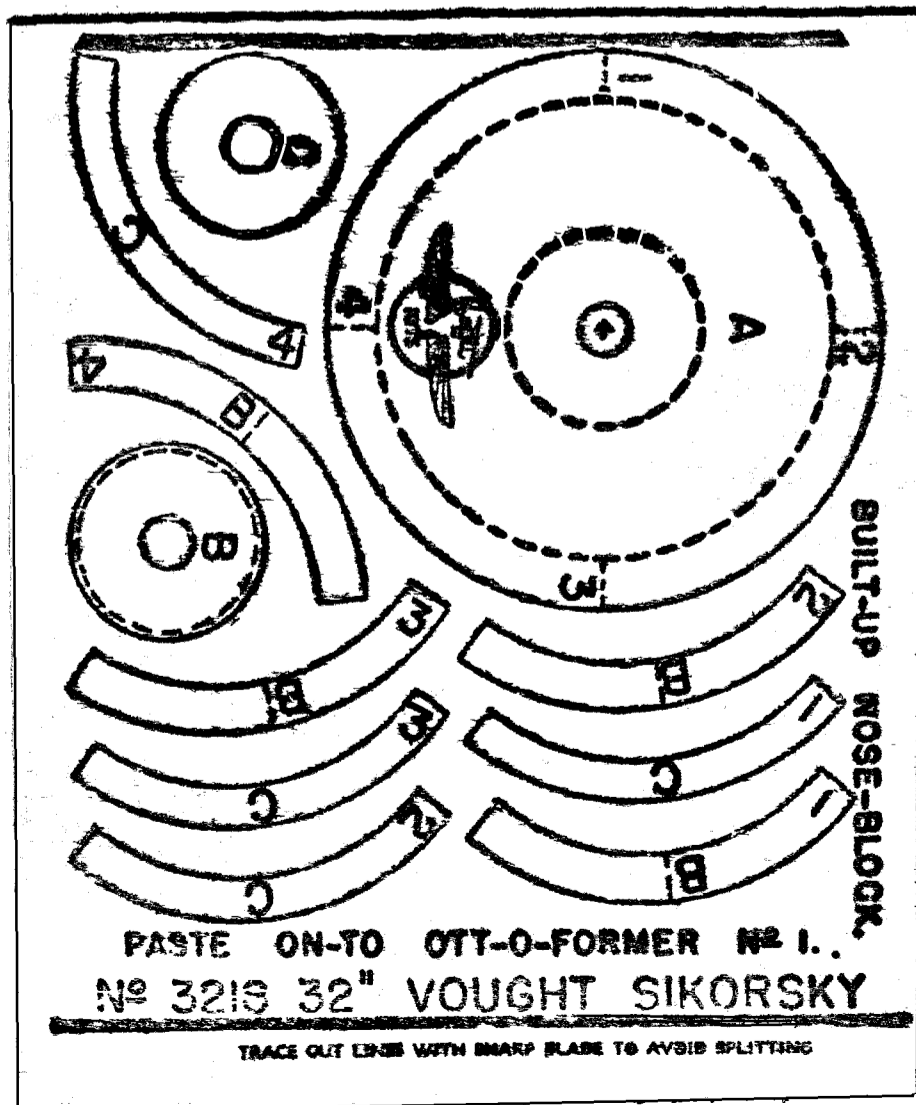
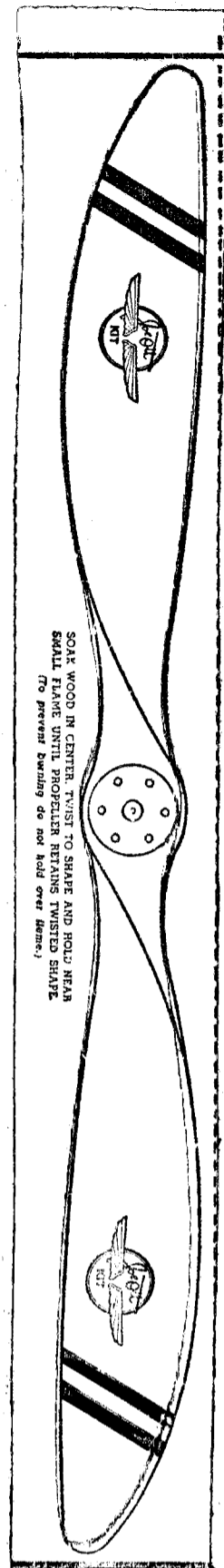
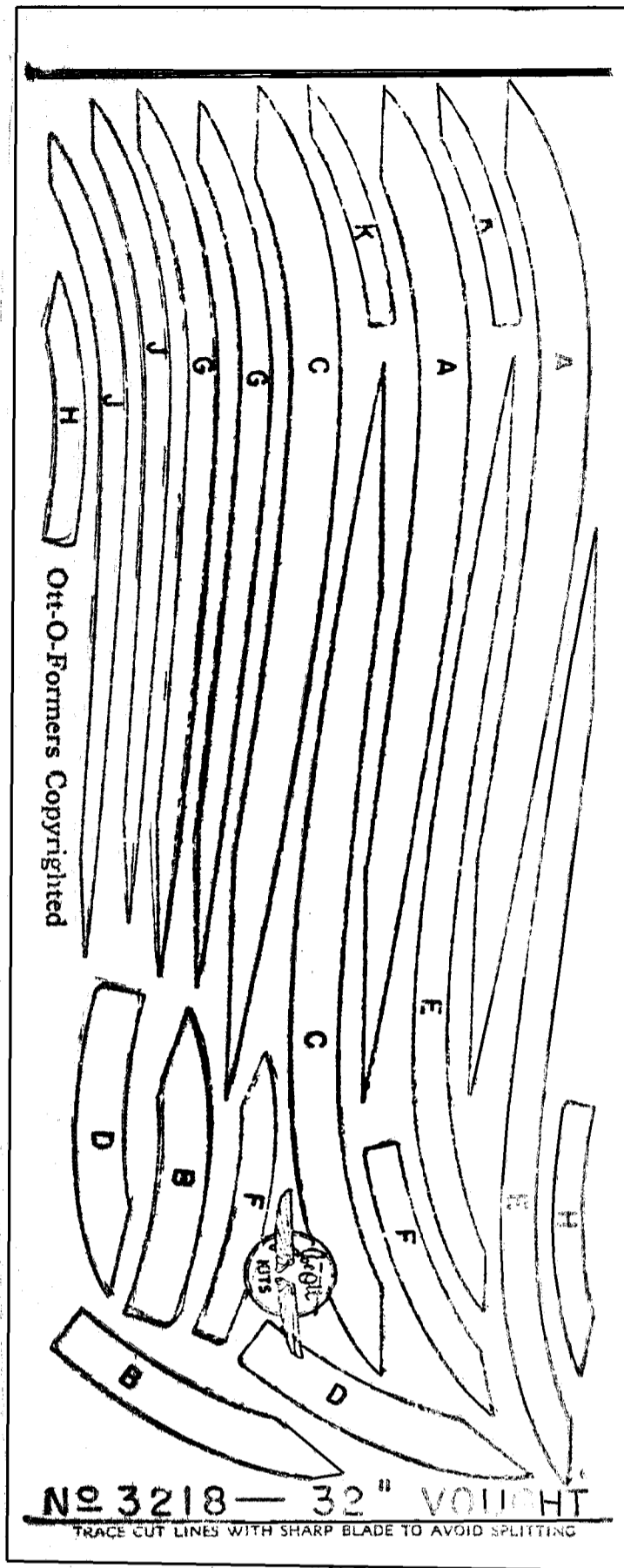


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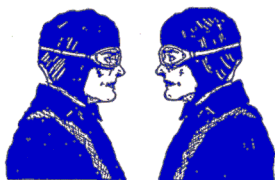




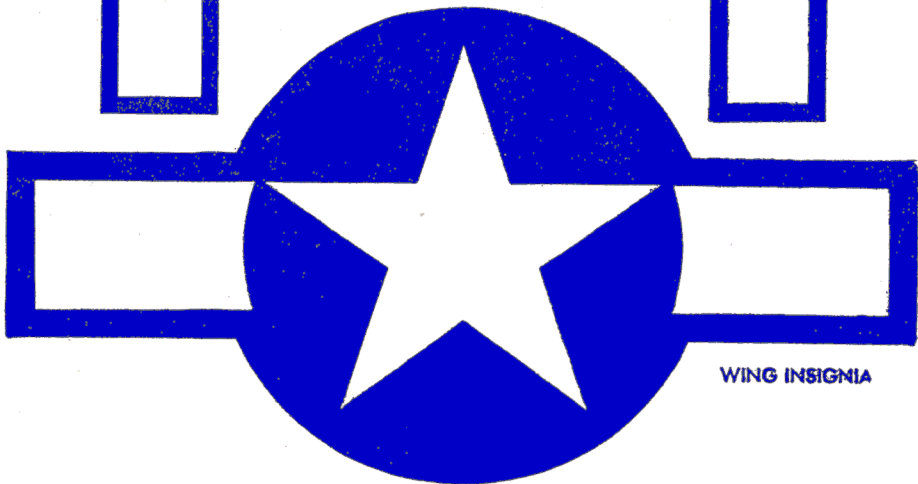
TRACE CUT LINES WITH SHARP BLADE TO AVOID SPLITTING



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JOE OTT MANUFACTURING CO. CHICAGO, ILLINOIS