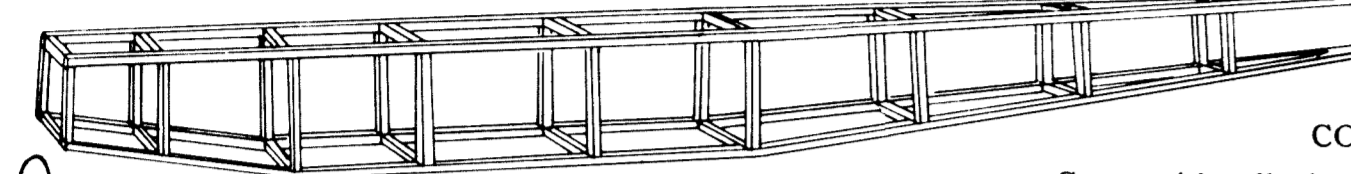
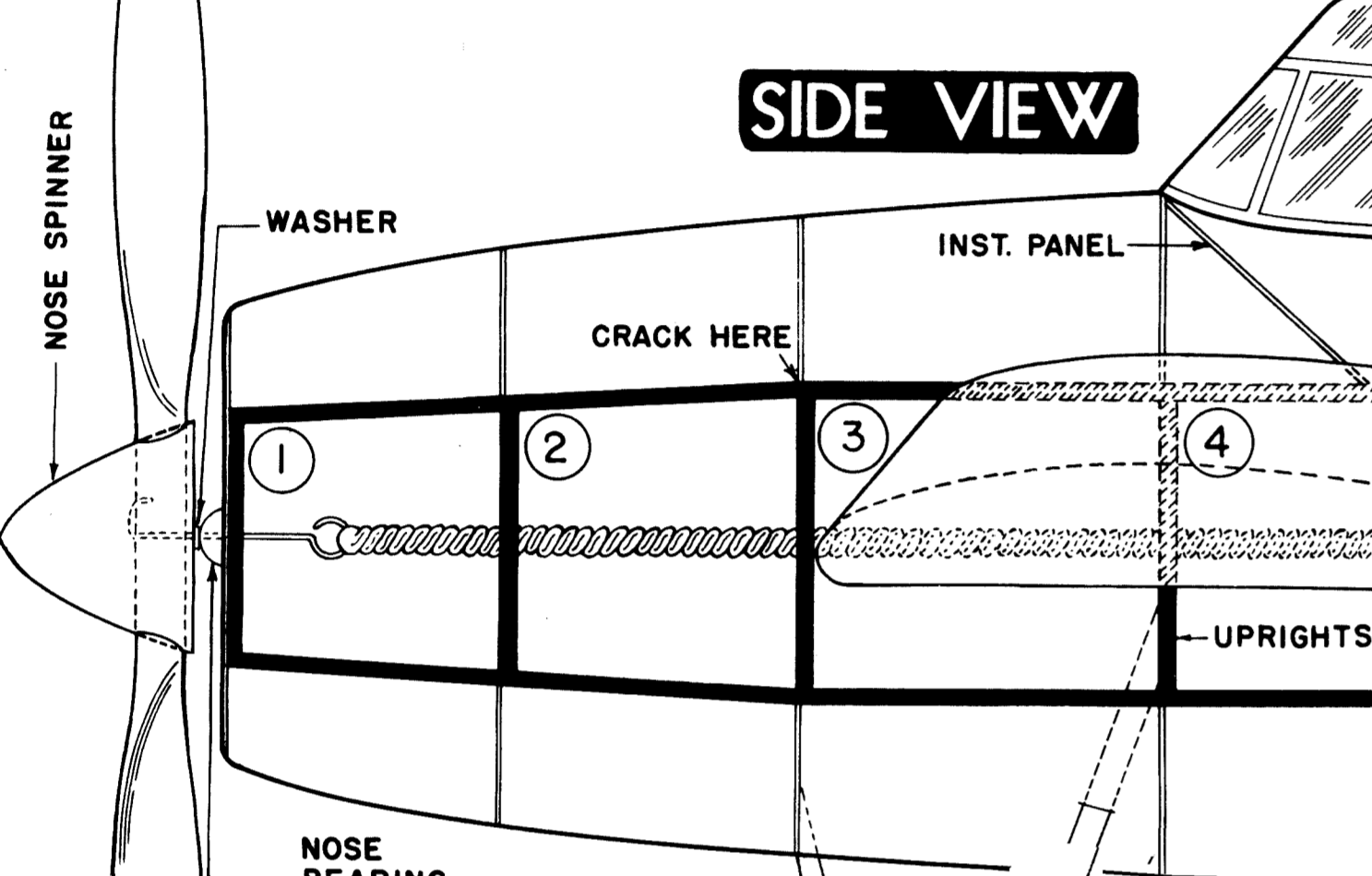


BODY FIRST STEP
Construct as illustrated, making two side sections. This is the first step of the OTT-O-FORMER foundation.

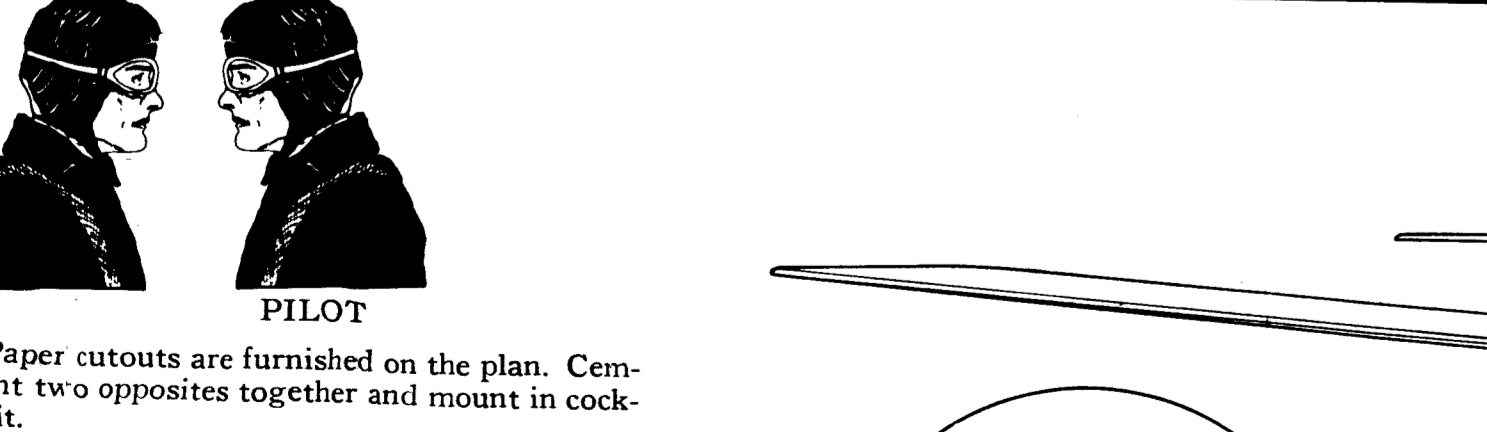
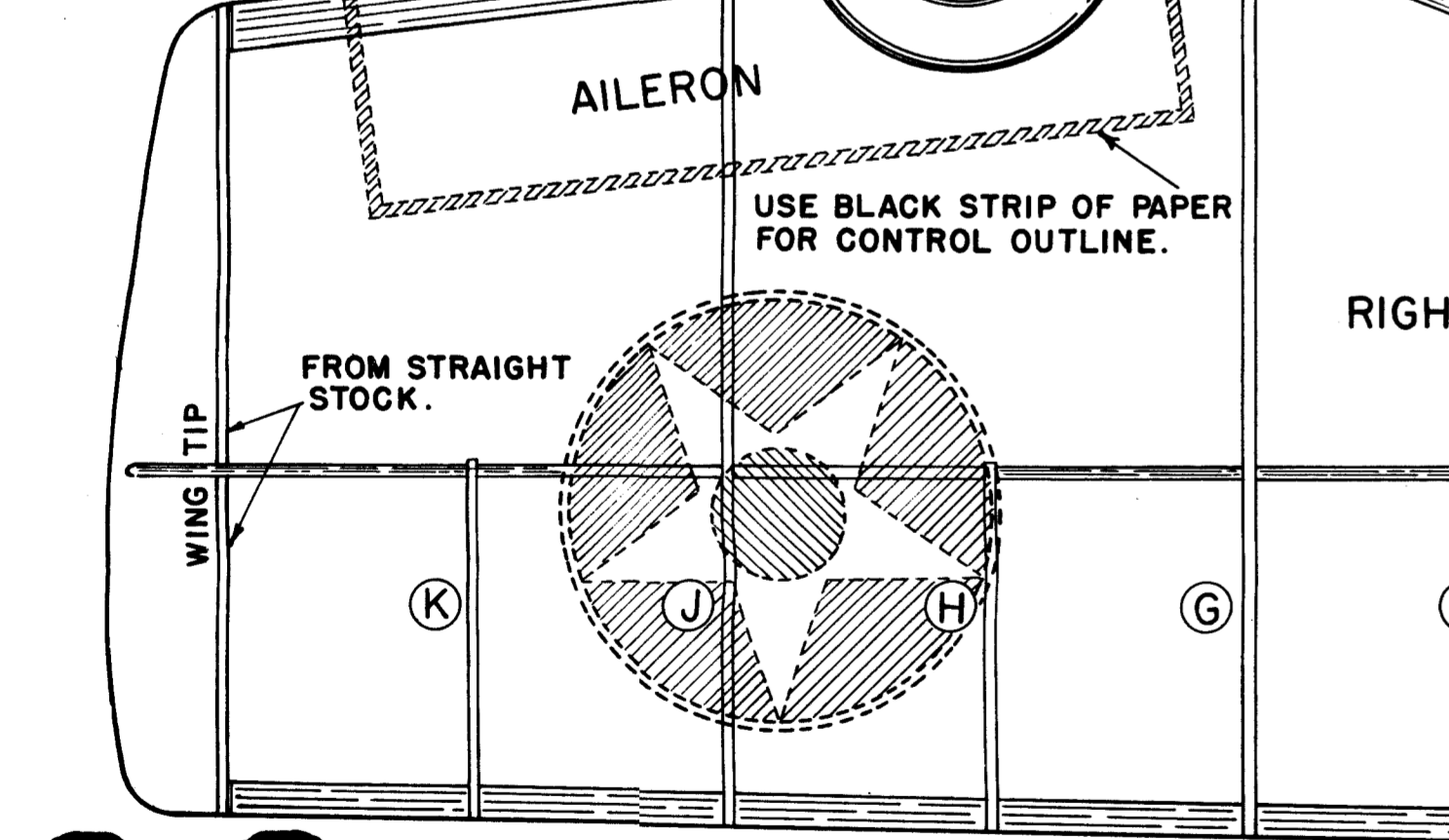


BODY--SECOND STEP--STRIP WOOD
Cement the two sides together to form the general square part of OTT-O-FORMER foundation frame.



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

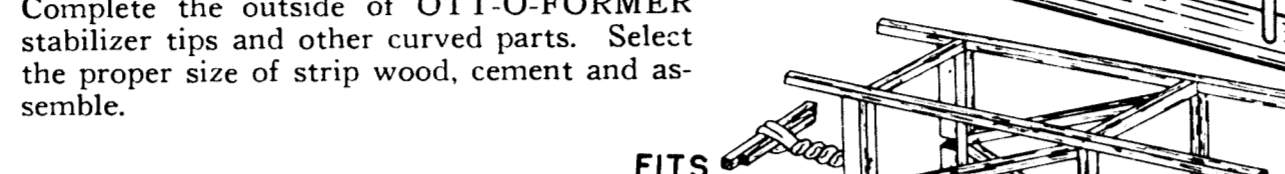
PROPELLER
Most modern airplanes have three bladed propellers but to simplify the construction of the propeller, a two-blade or one-piece type is supplied in most kits.



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

PATTERN FOR NOSE SPINNER

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.



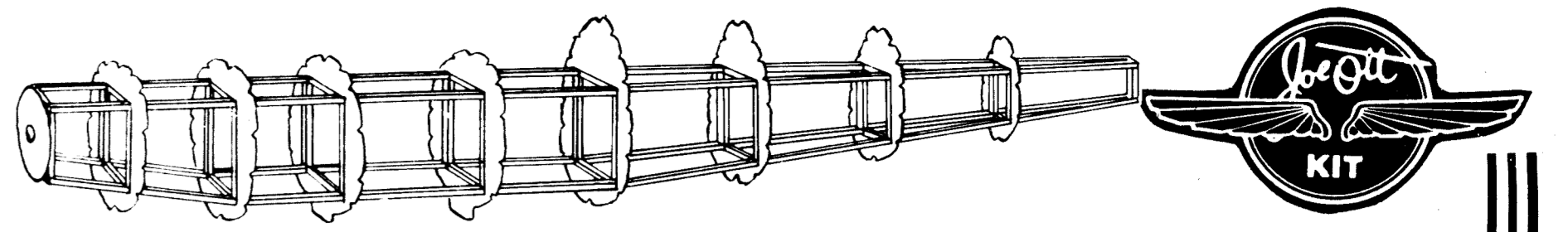
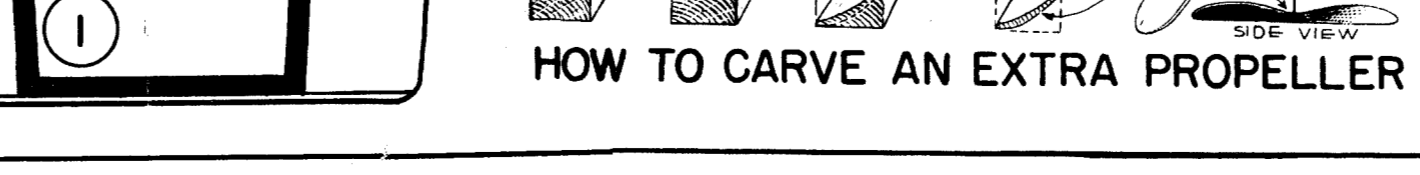
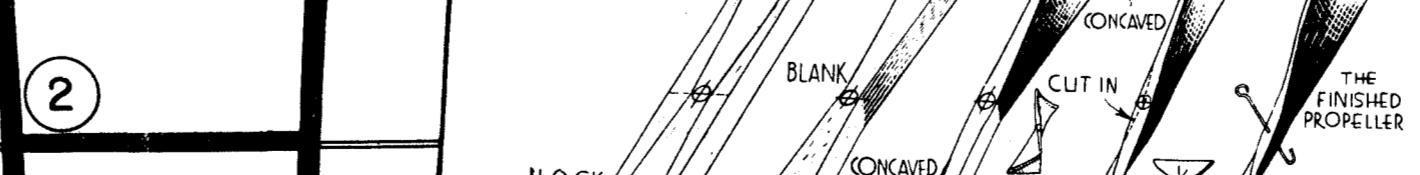
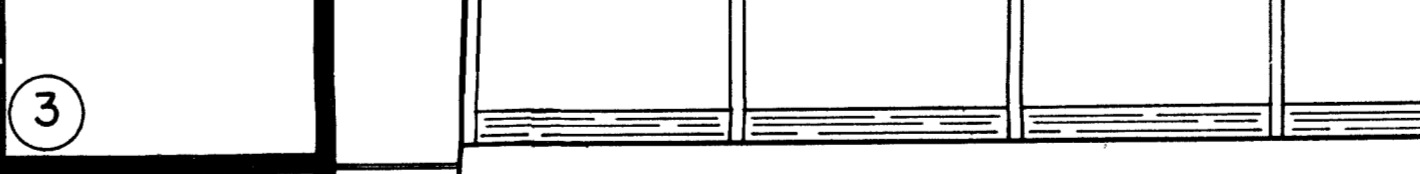
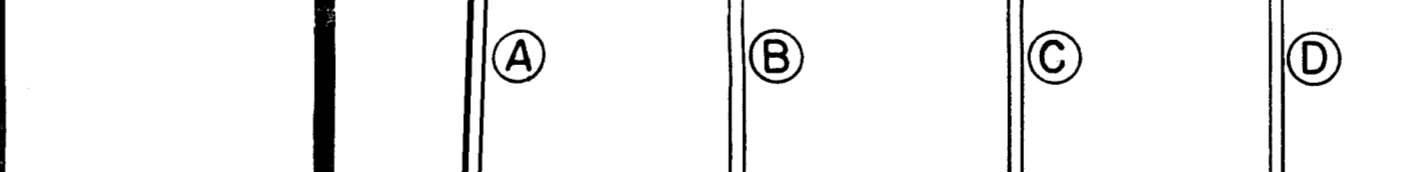
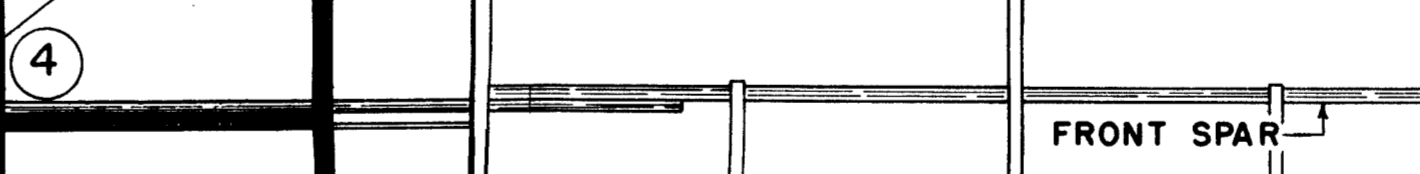
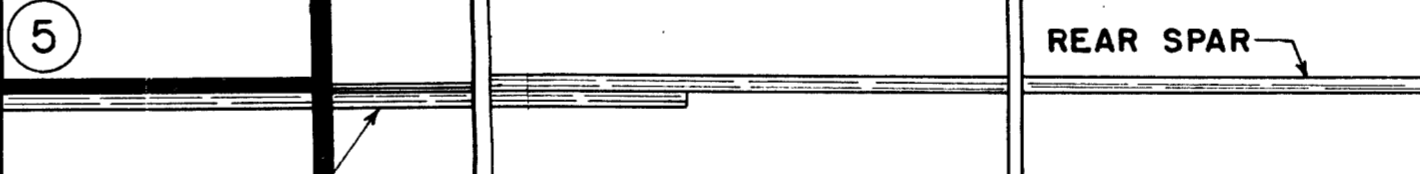
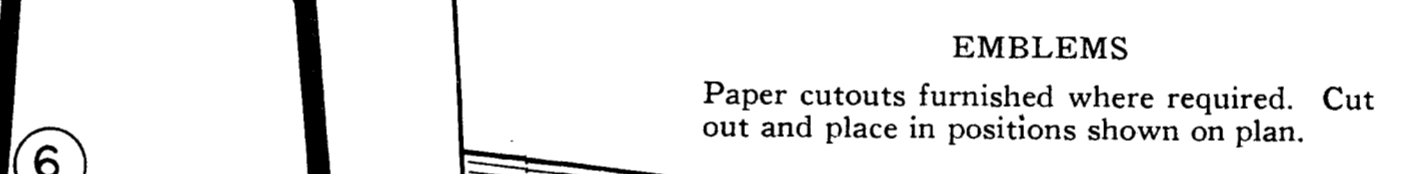
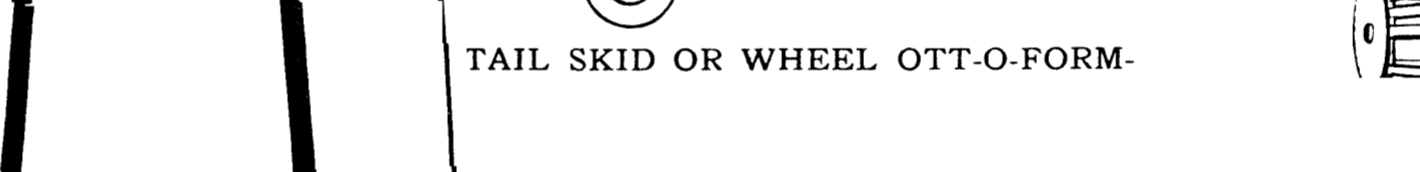
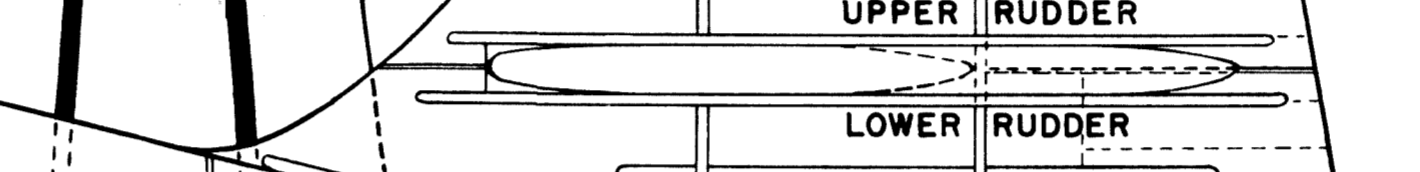
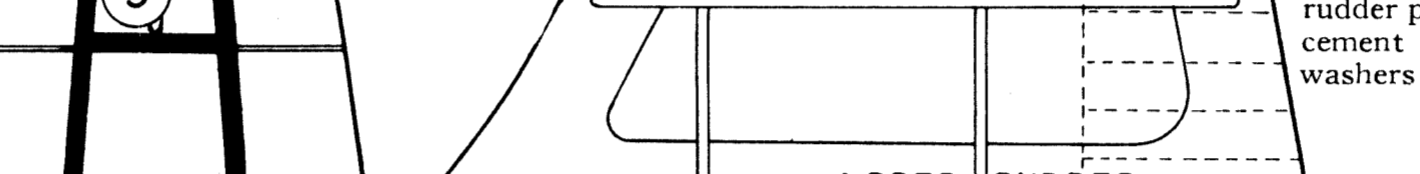
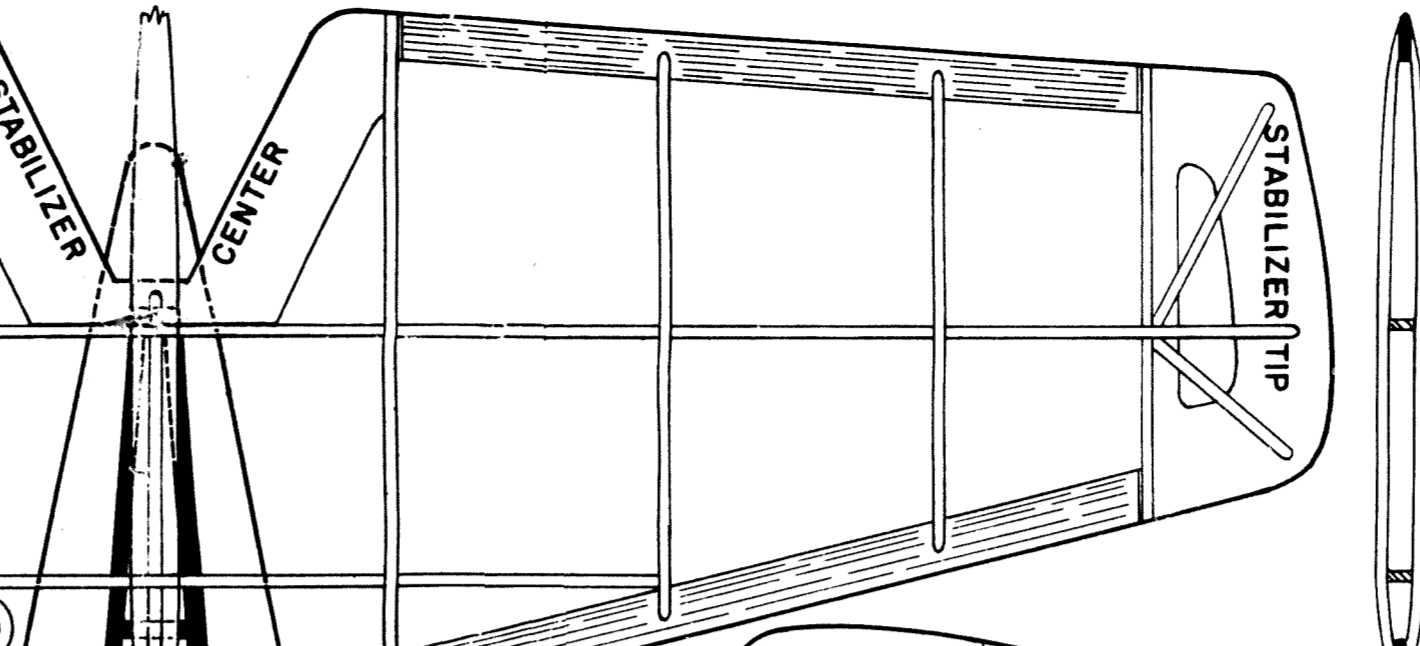
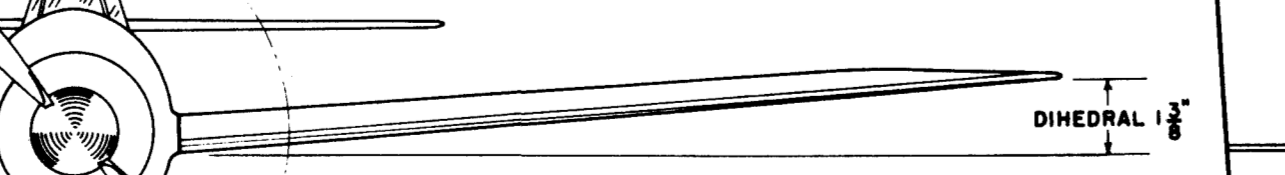
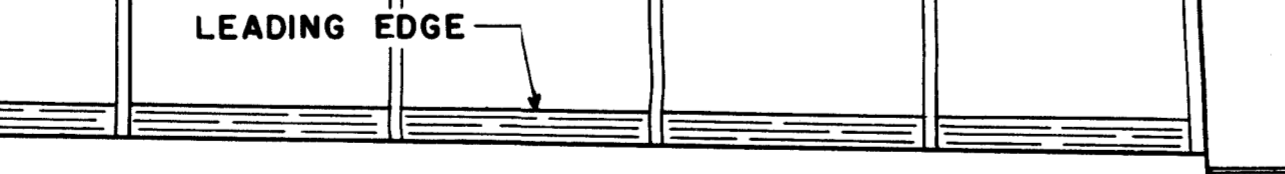
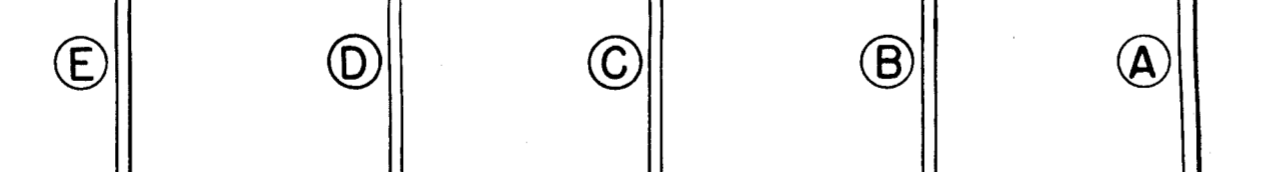
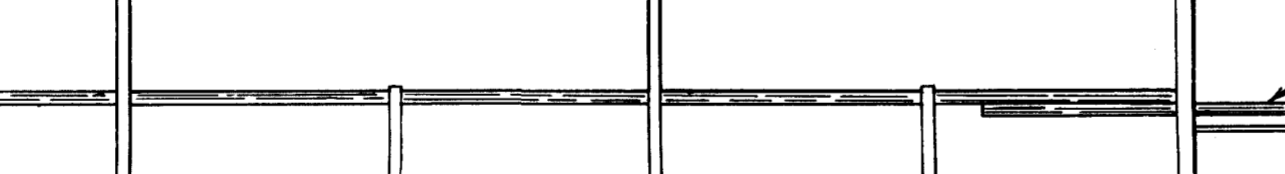
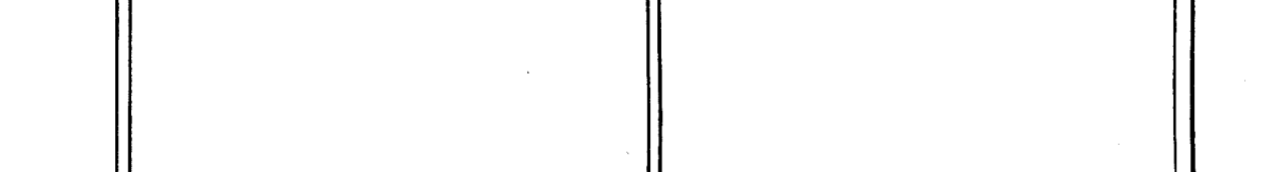
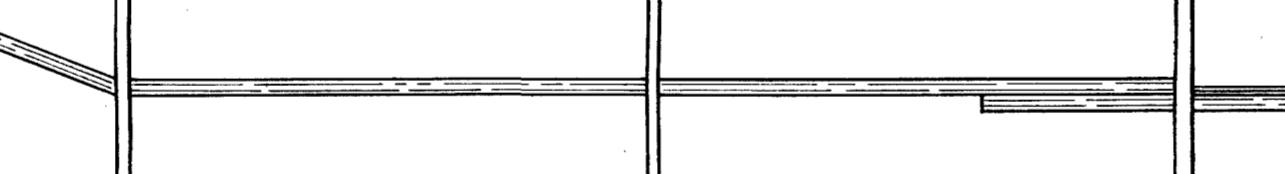
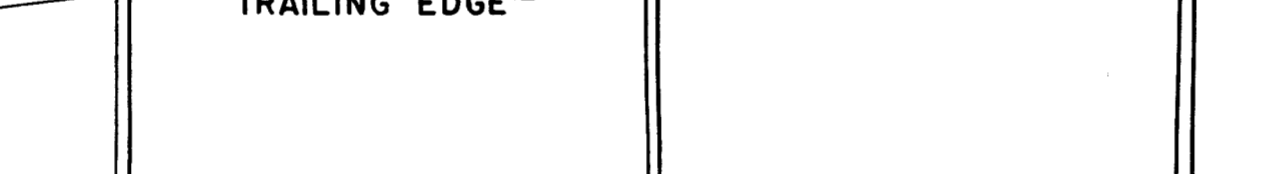
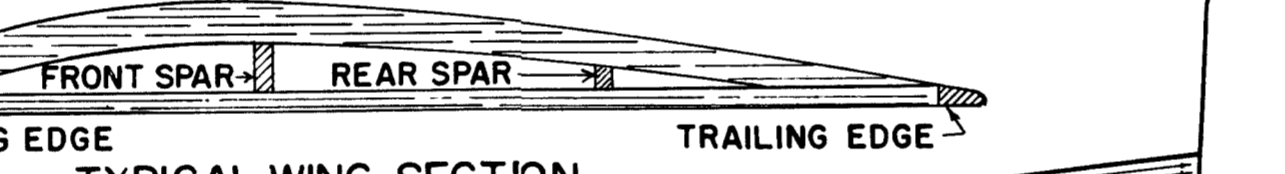
COVERING
Tissue is put on body in sections. Cover wing, stabilizer, and rudder. Use diluted cement, flour paste or banana oil. When covered, spray lightly with water and allow to shrink. Do not use dope over wings, etc., unless you have had some experience in its use.



GENERAL ASSEMBLY
Complete and cover all parts, then assemble.

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.



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.

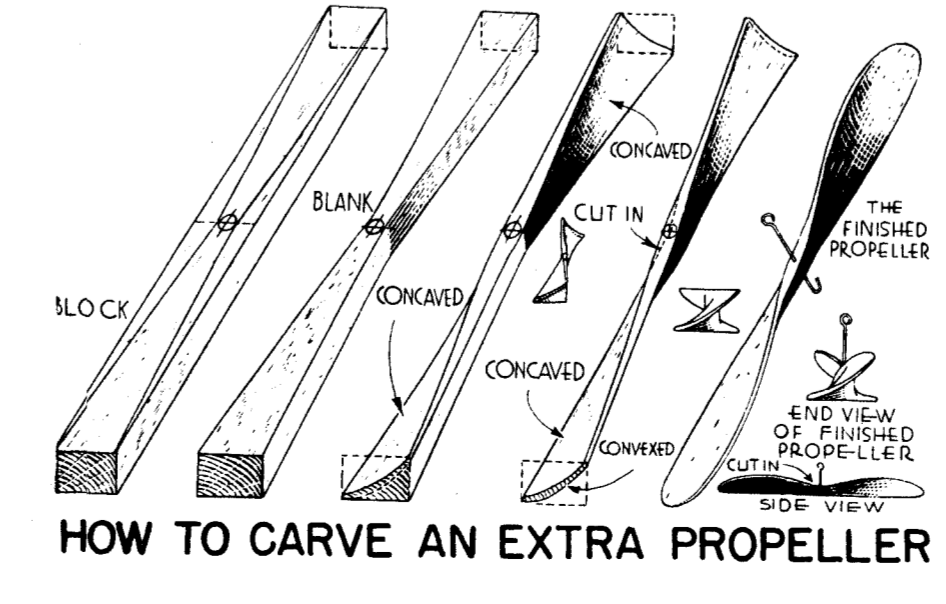
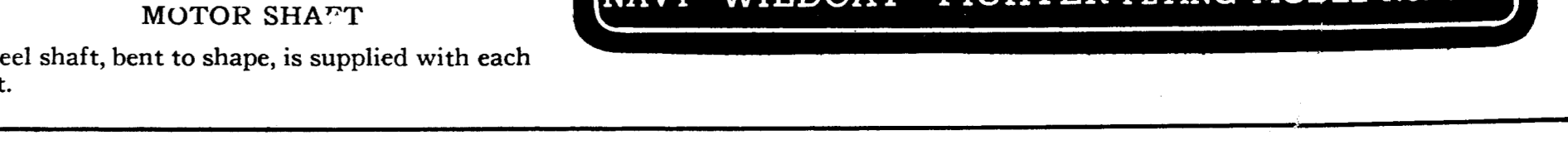
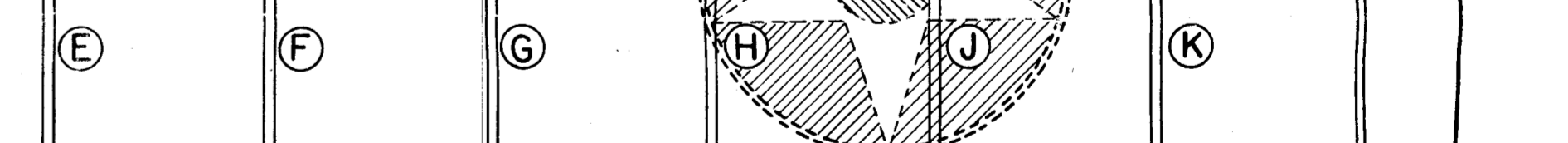
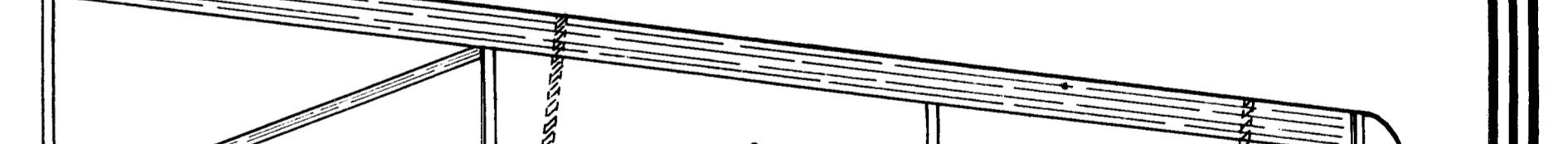
STRIP WOOD
All strips are cut to the correct sizes. Select these parts carefully as construction proceeds. Use the firm pieces for the body foundation. In some cases these pieces are cut from bass or pine.

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.

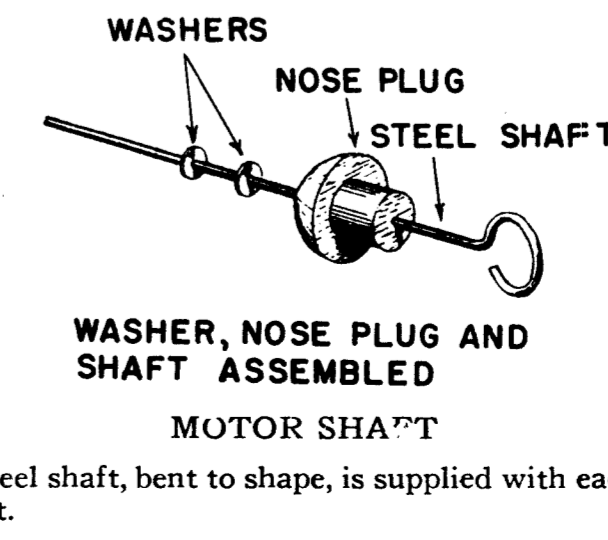
GENERAL ASSEMBLY
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FLYING
After model has been balanced, check gliding qualities, and then wind the propeller about 50 to 75 times for its first trial flight.



HOW TO CARVE AN EXTRA PROPELLER

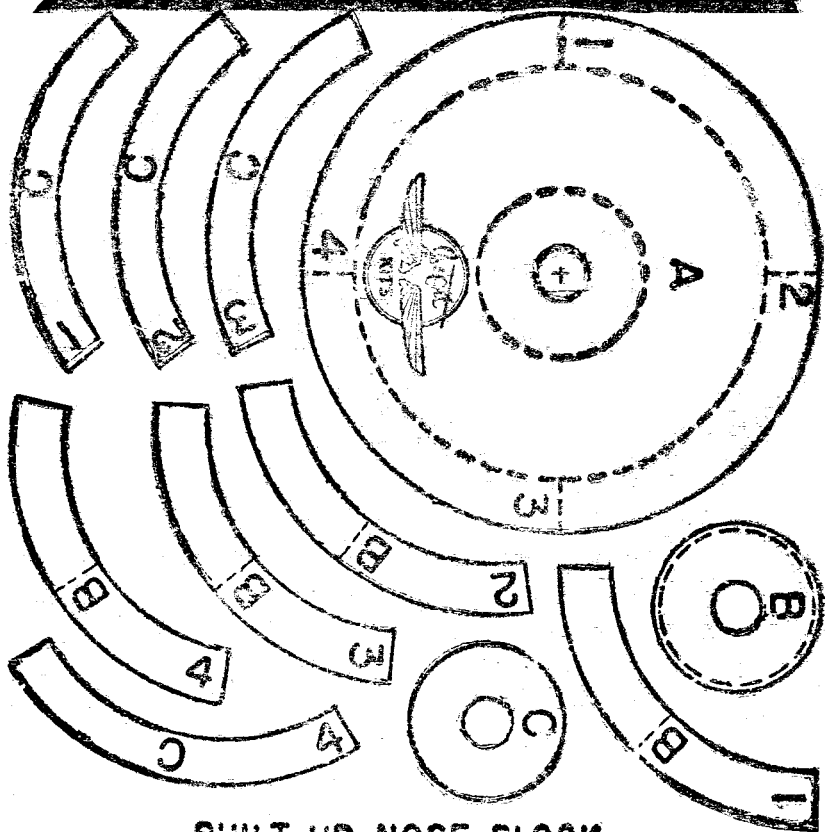


WASHER, NOSE PLUG AND SHAFT ASSEMBLED

32" GRUMMAN
OTT-O-FORMER KIT
FULL SIZE PLANS
NAVY "WILDCAT" FIGHTER FLYING MODEL No. 3217

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

OTT-O-FORMER
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BY OTT MANUFACTURING CO. CHICAGO, ILL.
Printed in U. S. A.

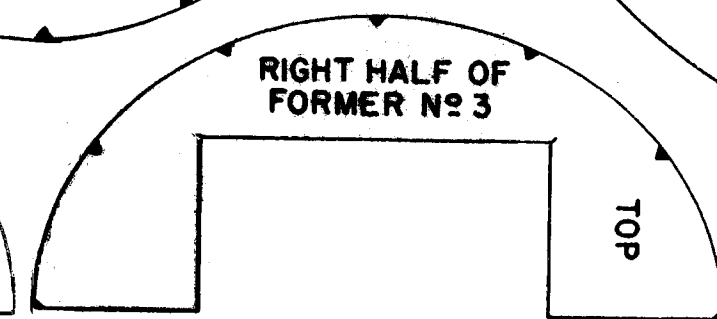
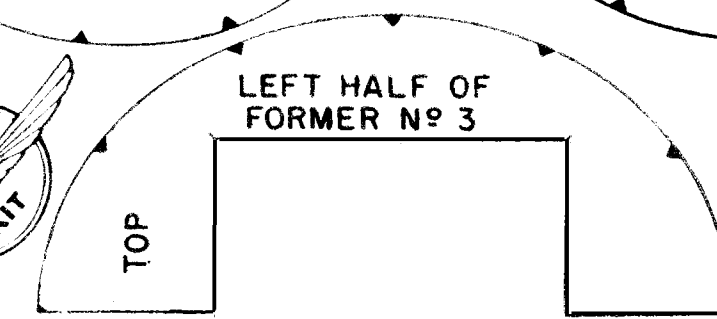
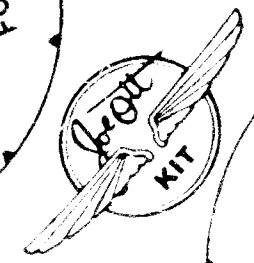
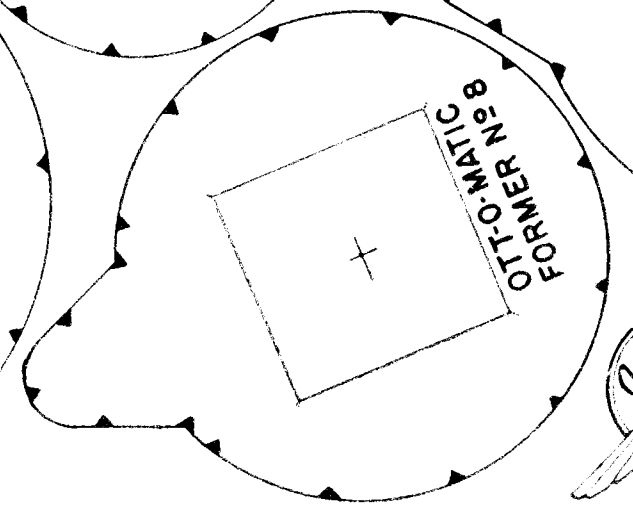
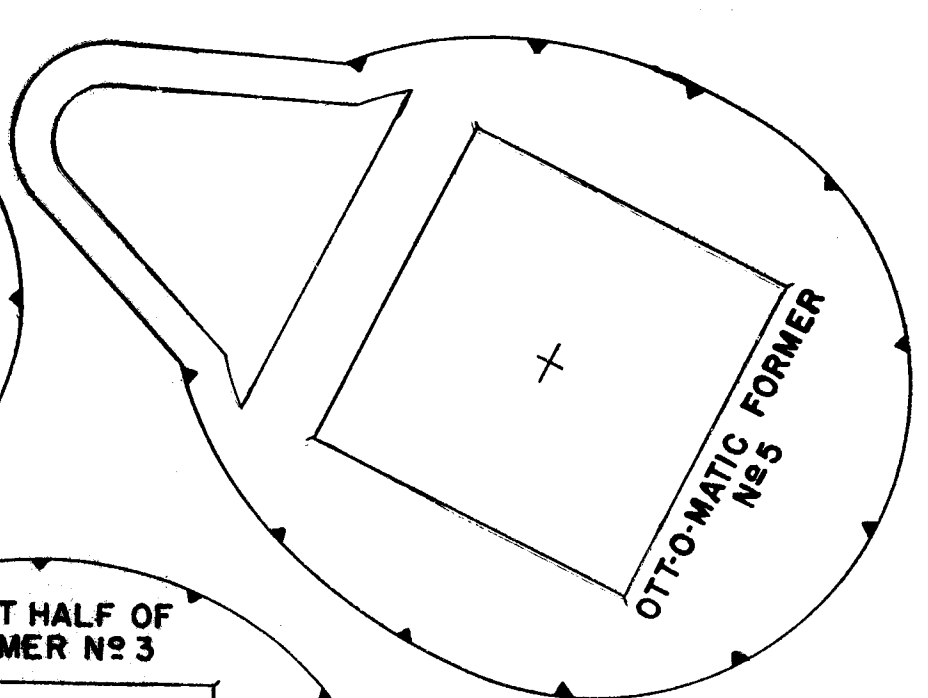
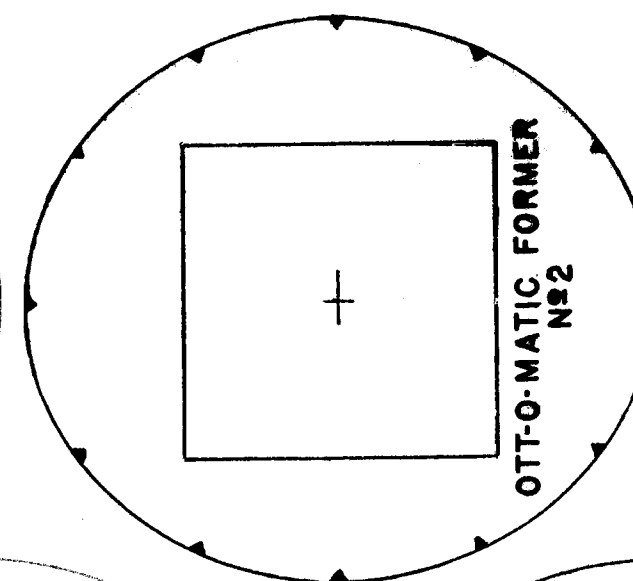
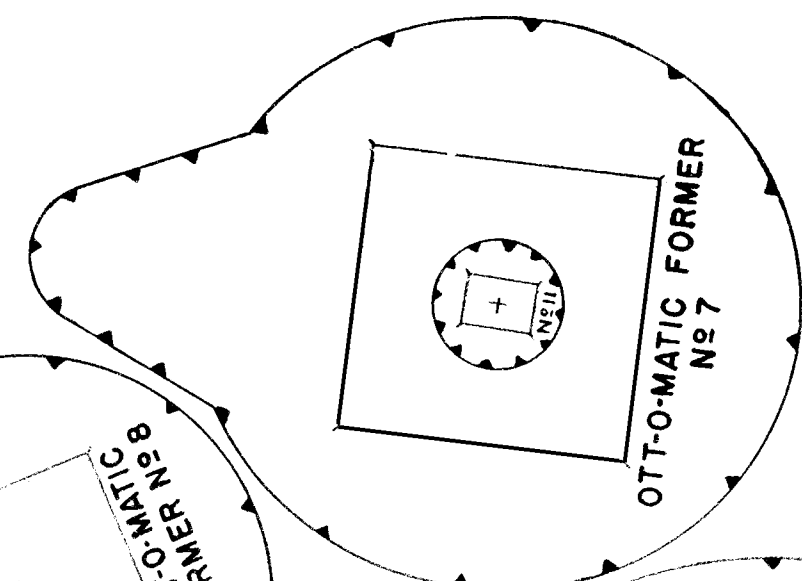
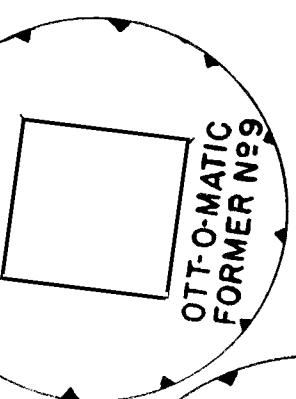
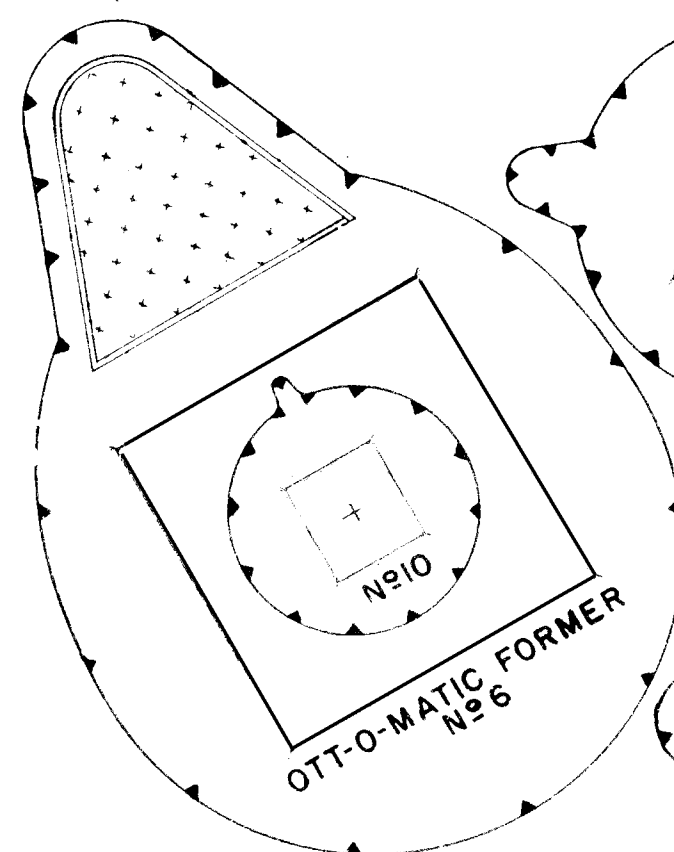


BUILT-UP NOSE-BLOCK.

PASTE ON-TO OTT-O-FORMER No. 1

No 3217 32⁶ GRUMMAN.

TRACE CUT LINES WITH SHARP BLADE TO AVOID SPLITTING



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

