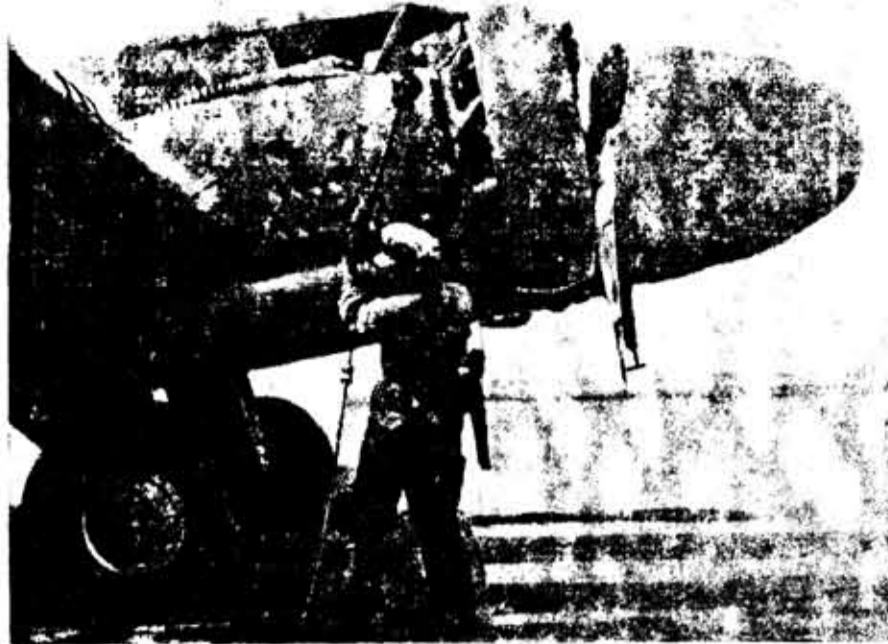


*New*

# BOEING 200 M.P.H. TRANSPORT

NO. 247

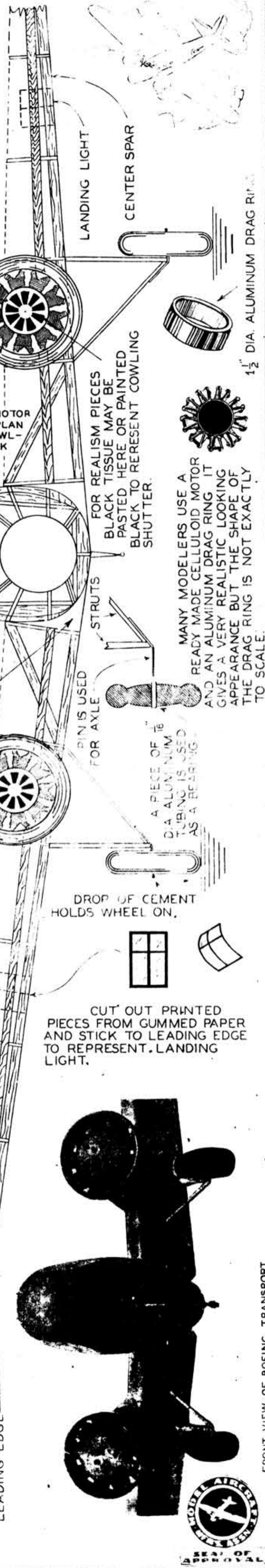
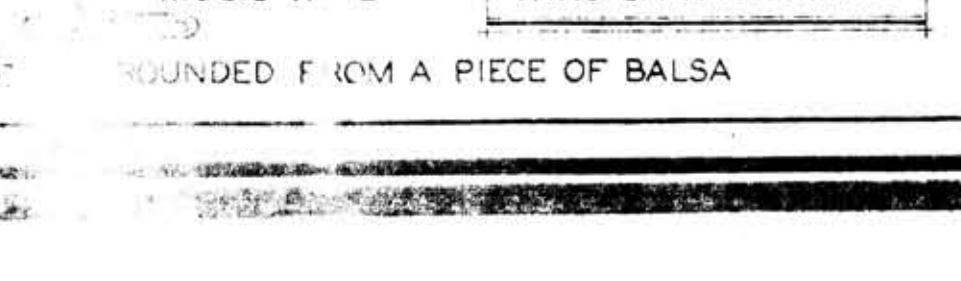
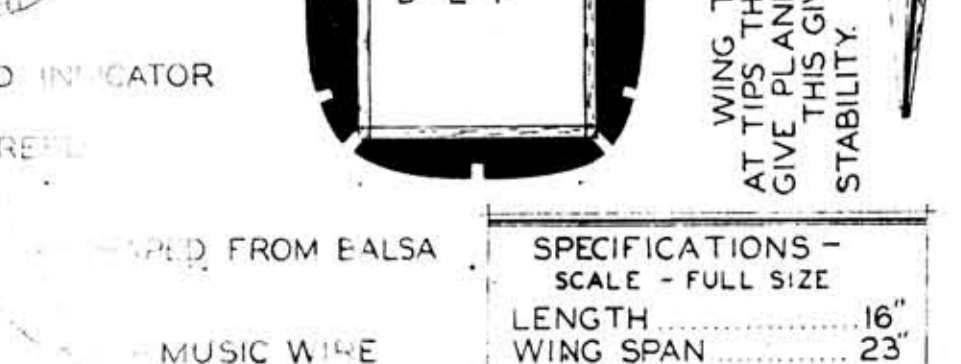
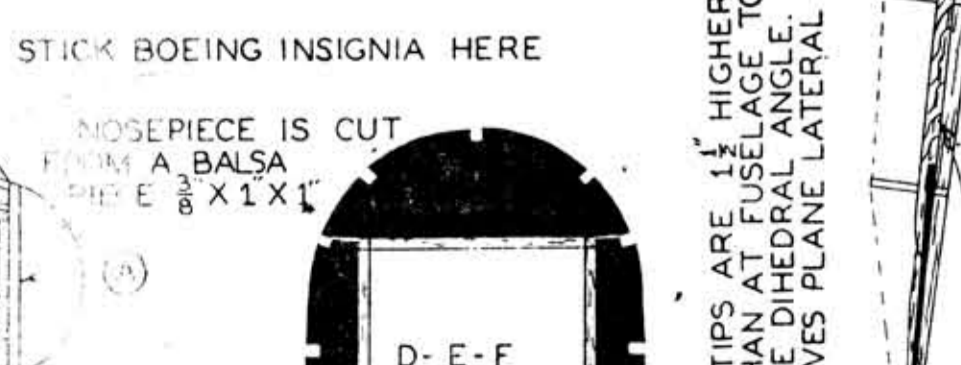
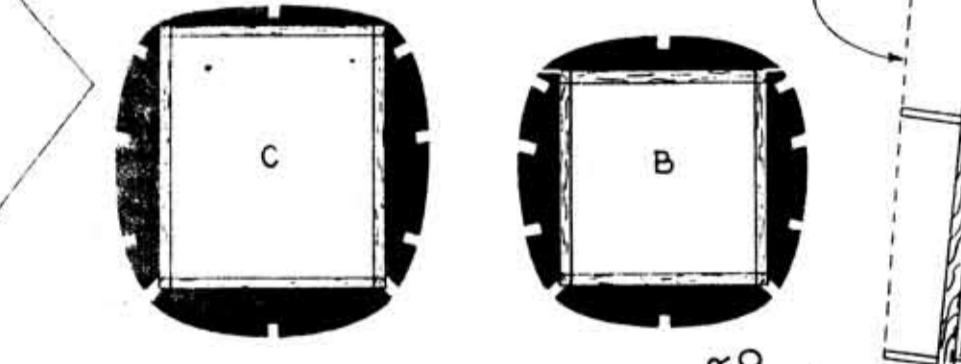
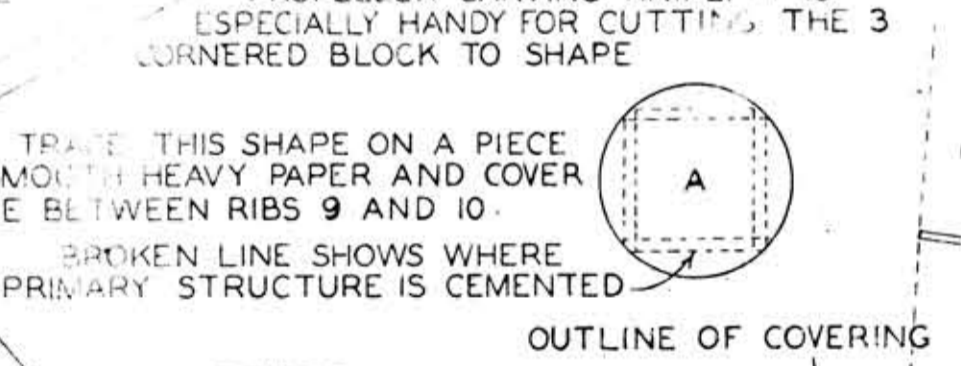
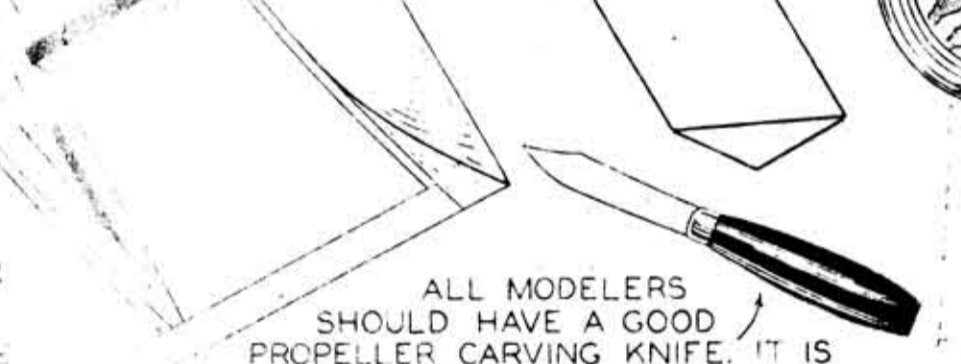
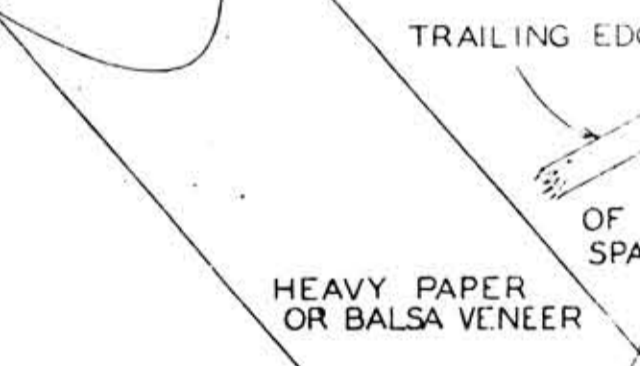
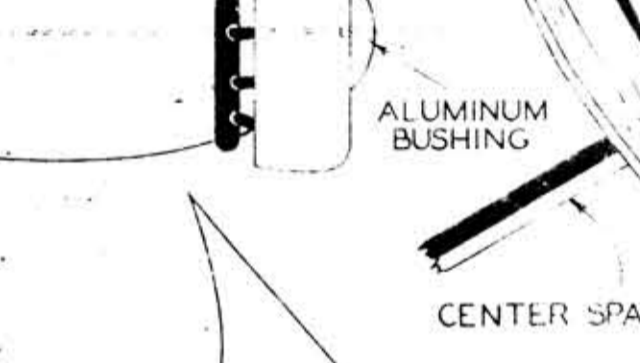
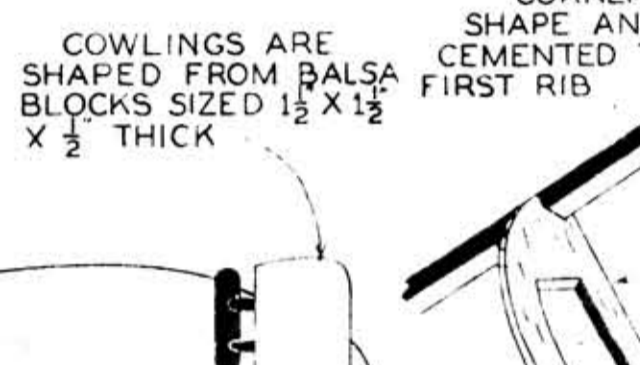
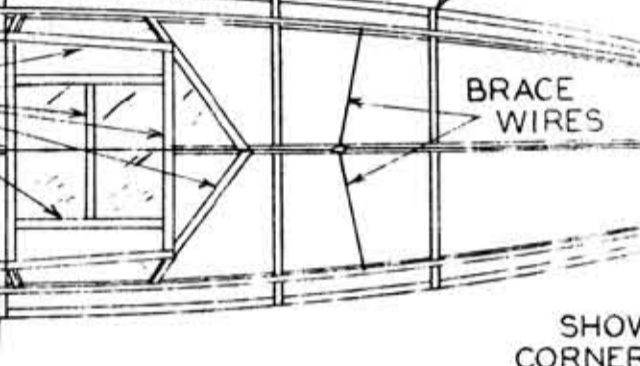
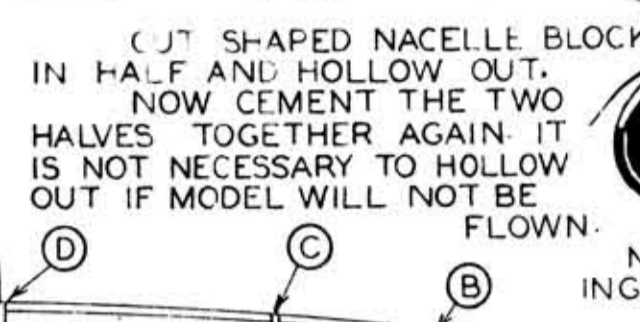
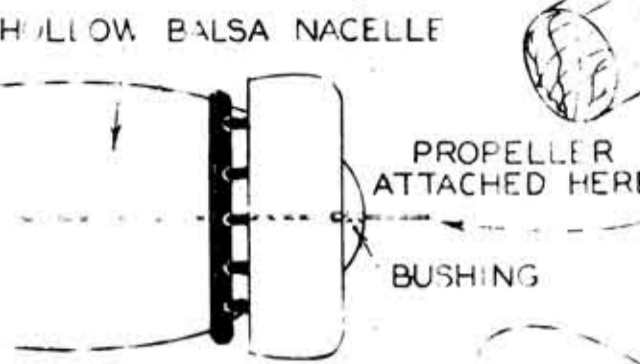
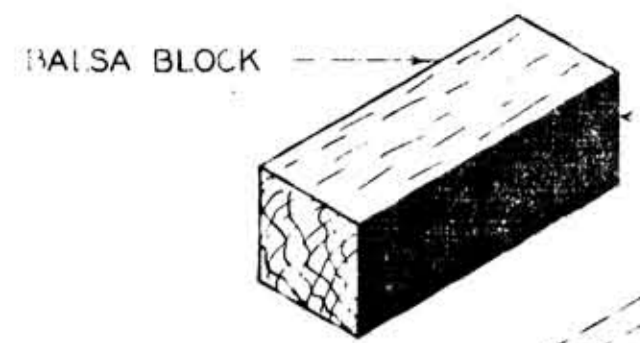
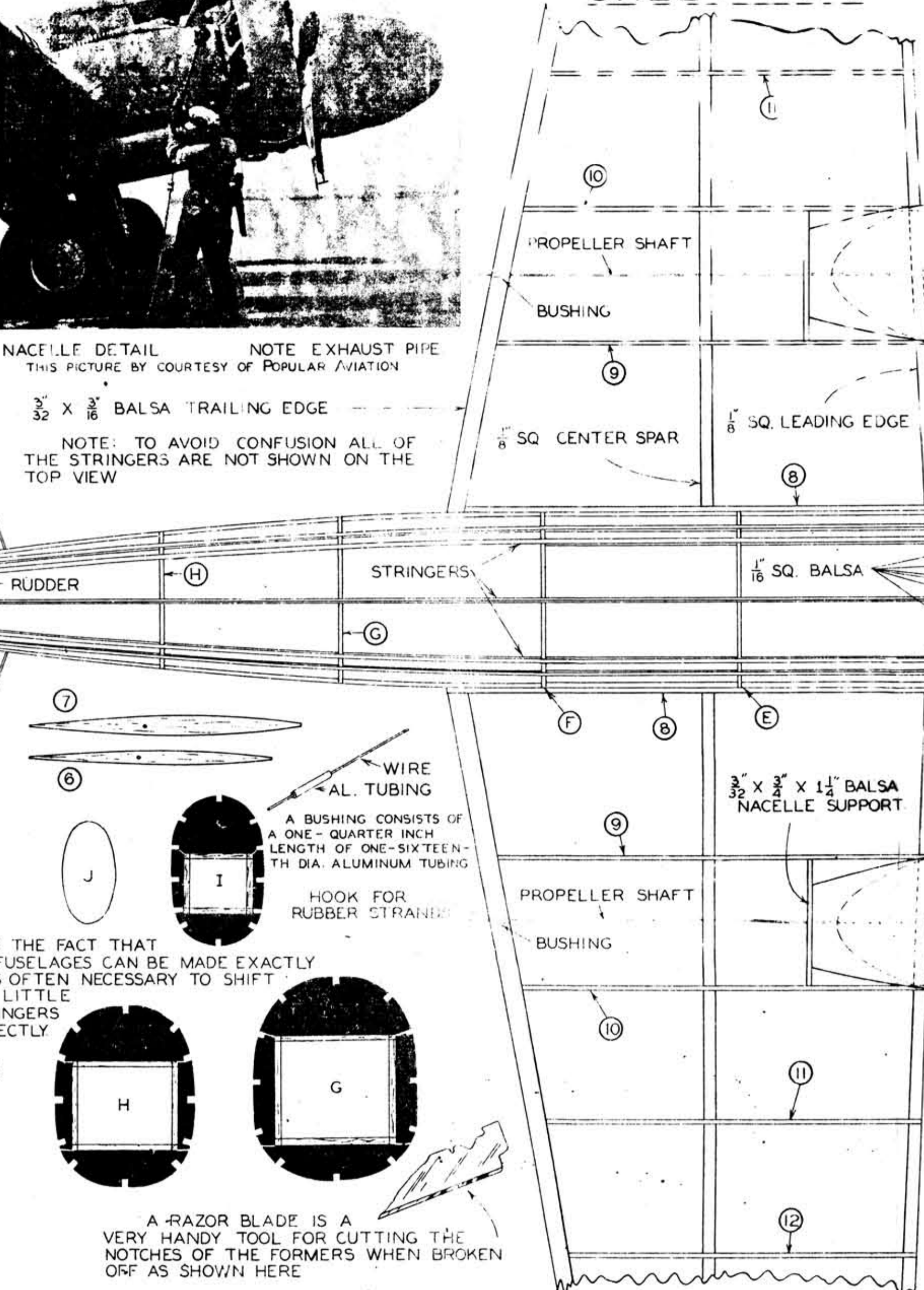
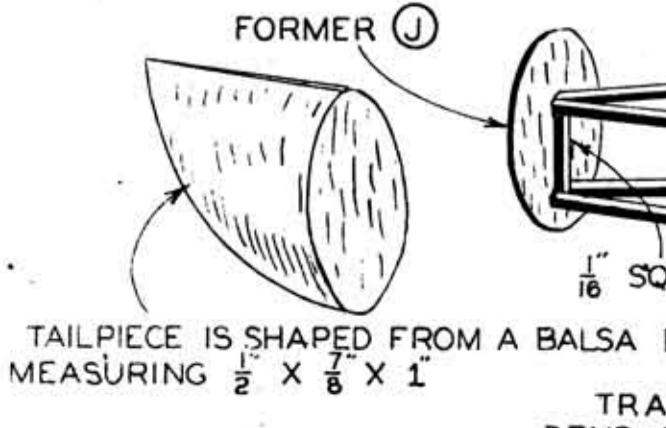
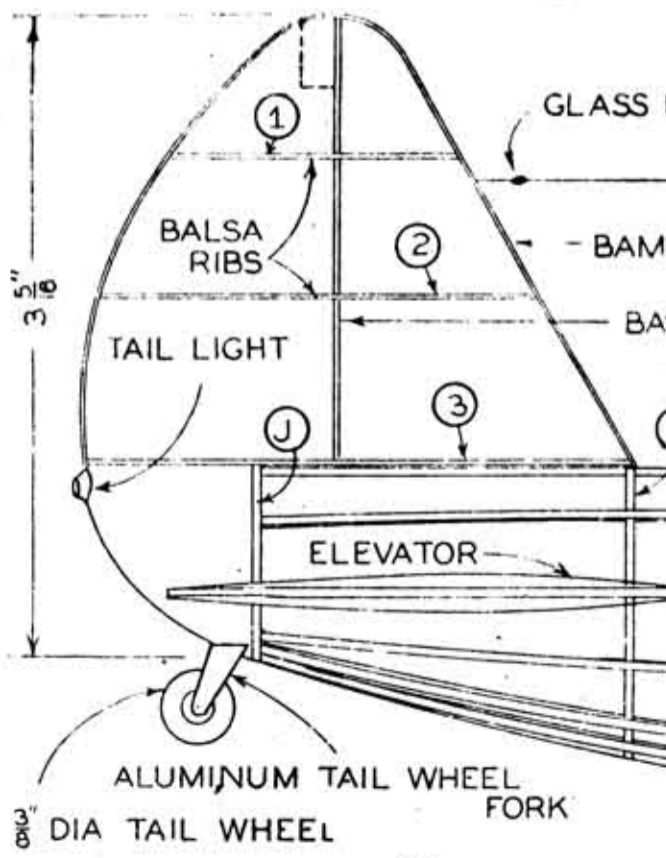
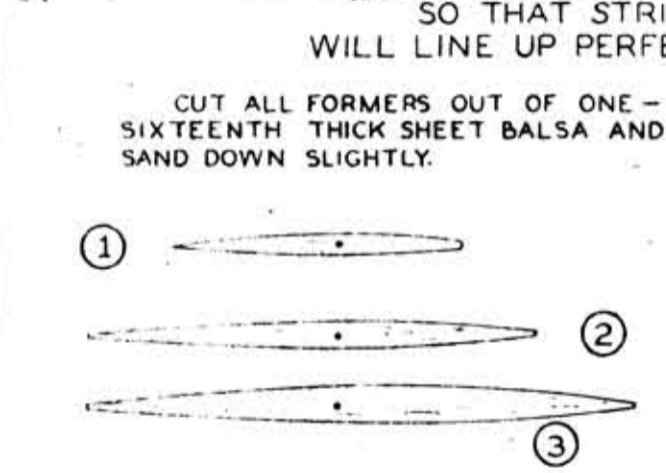
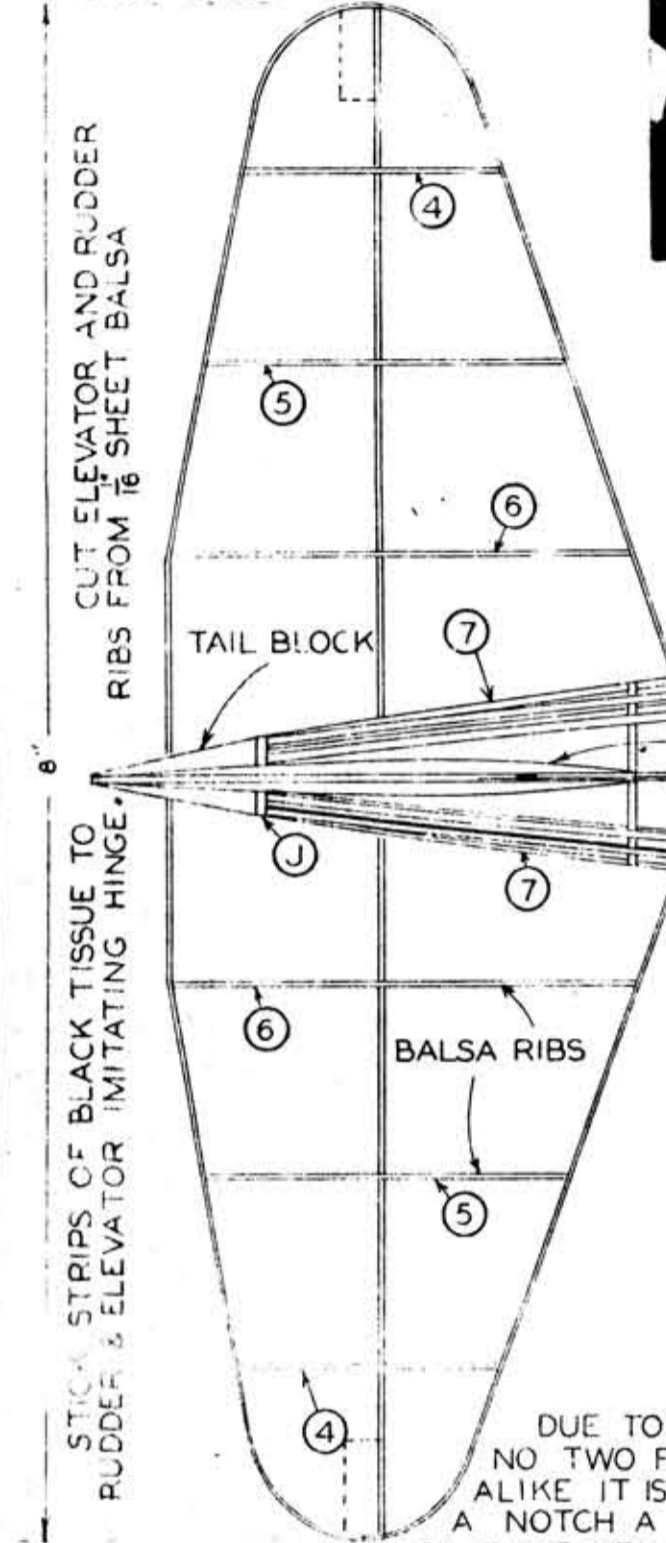
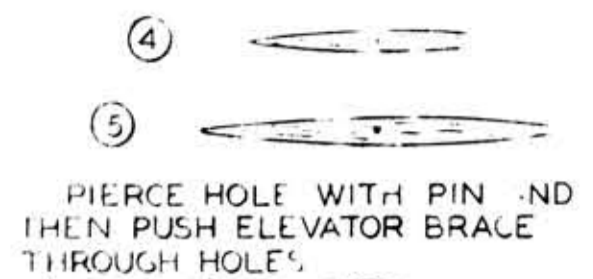
SHEET NO. 1



NACELLE DETAIL NOTE EXHAUST PIPE THIS PICTURE BY COURTESY OF POPULAR AVIATION

3/32" X 3/16" Balsa TRAILING EDGE

NOTE: TO AVOID CONFUSION ALL OF THE STRINGERS ARE NOT SHOWN ON THE TOP VIEW



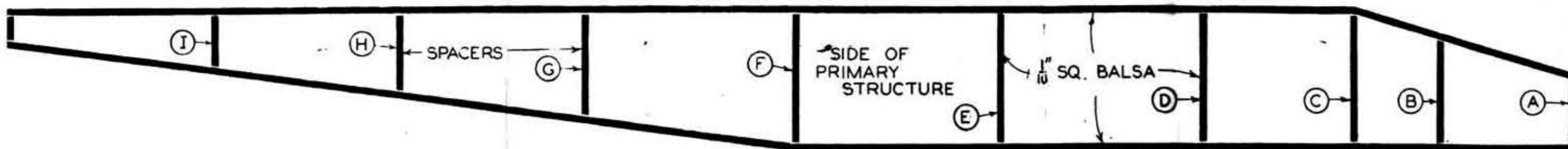
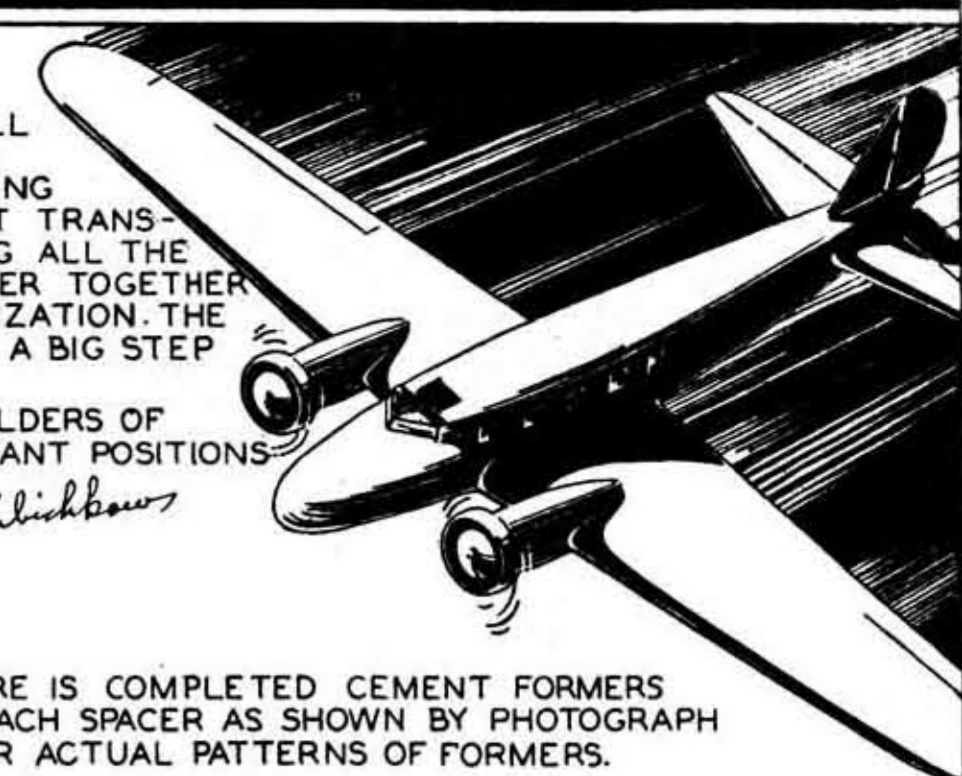


SOME DAY .....

SOME DAY AIRPLANES WILL BE DARTING THROUGH GOD'S HEAVENS AT SPEEDS EXCEEDING 500 M.P.H. IT IS THIS SWIFT TRANSPORTATION WHICH WILL BRING ALL THE PEOPLES OF THE WORLD CLOSER TOGETHER AND BRING ABOUT A HAPPIER CIVILIZATION. THE NEW BOEING PASSENGER PLANE IS A BIG STEP CLOSER TOWARD THAT GOAL.

ENTERPRISING MODEL BUILDERS OF TODAY MAY SOME DAY HOLD IMPORTANT POSITIONS IN THE AERONAUTICAL FIELD.

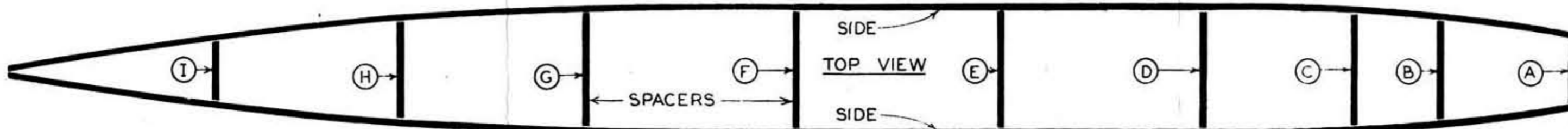
*H.M. D. Dickhaus*



PRIMARY STRUCTURE

ASSEMBLE TWO OF THESE SIDES DIRECTLY OVER PLAN TO INSURE ACCURACY.

NO MEASUREMENTS ARE GIVEN HERE BECAUSE PLAN IS FULL SIZED AND PARTS CAN BE SIZED BY MEASURING DIRECTLY OVER PLAN.



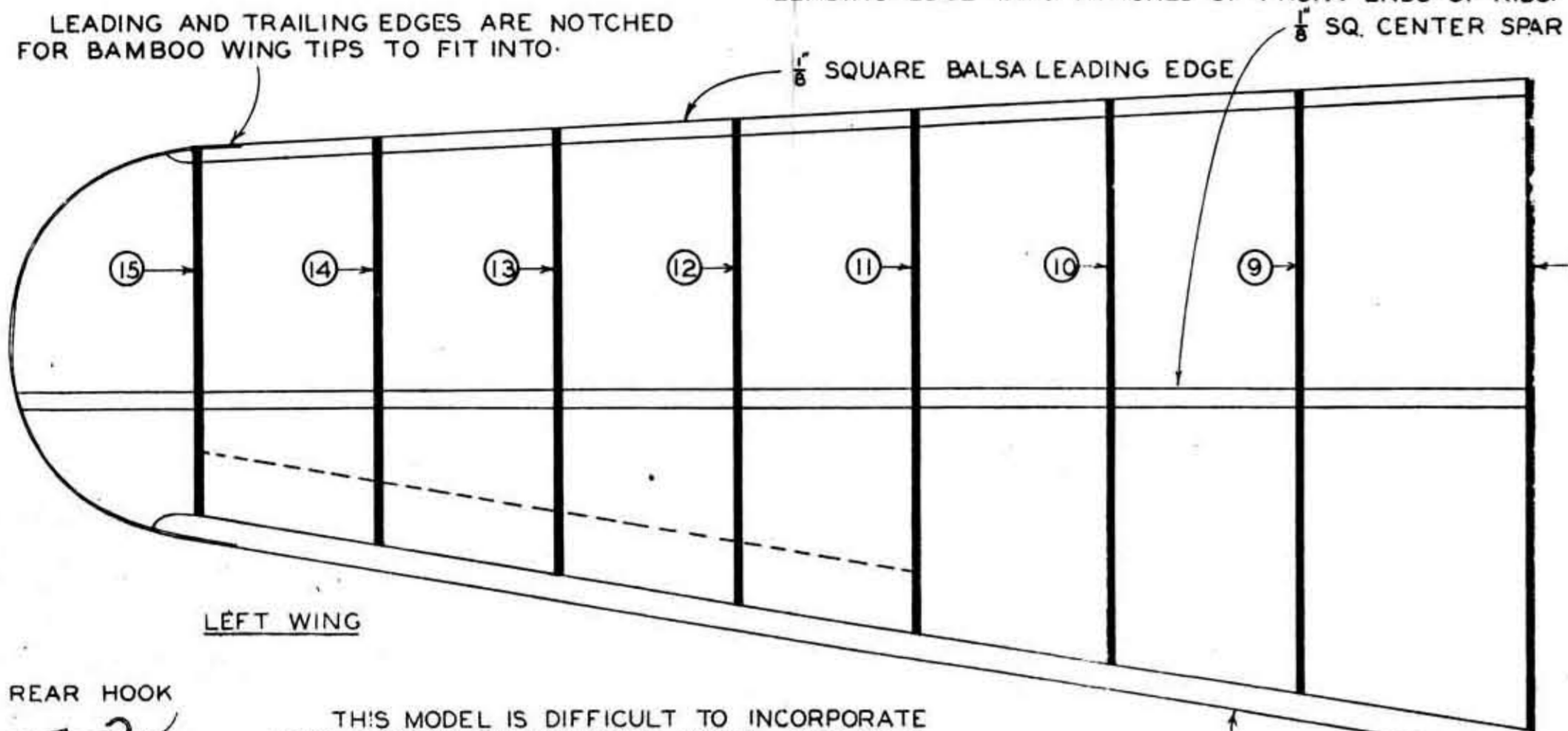
TOP VIEW

FORMER J IS CEMENTED TO THE REAR END OF PRIMARY STRUCTURE AS PHOTO AT OTHER END OF SHEET PLAINLY SHOWS.

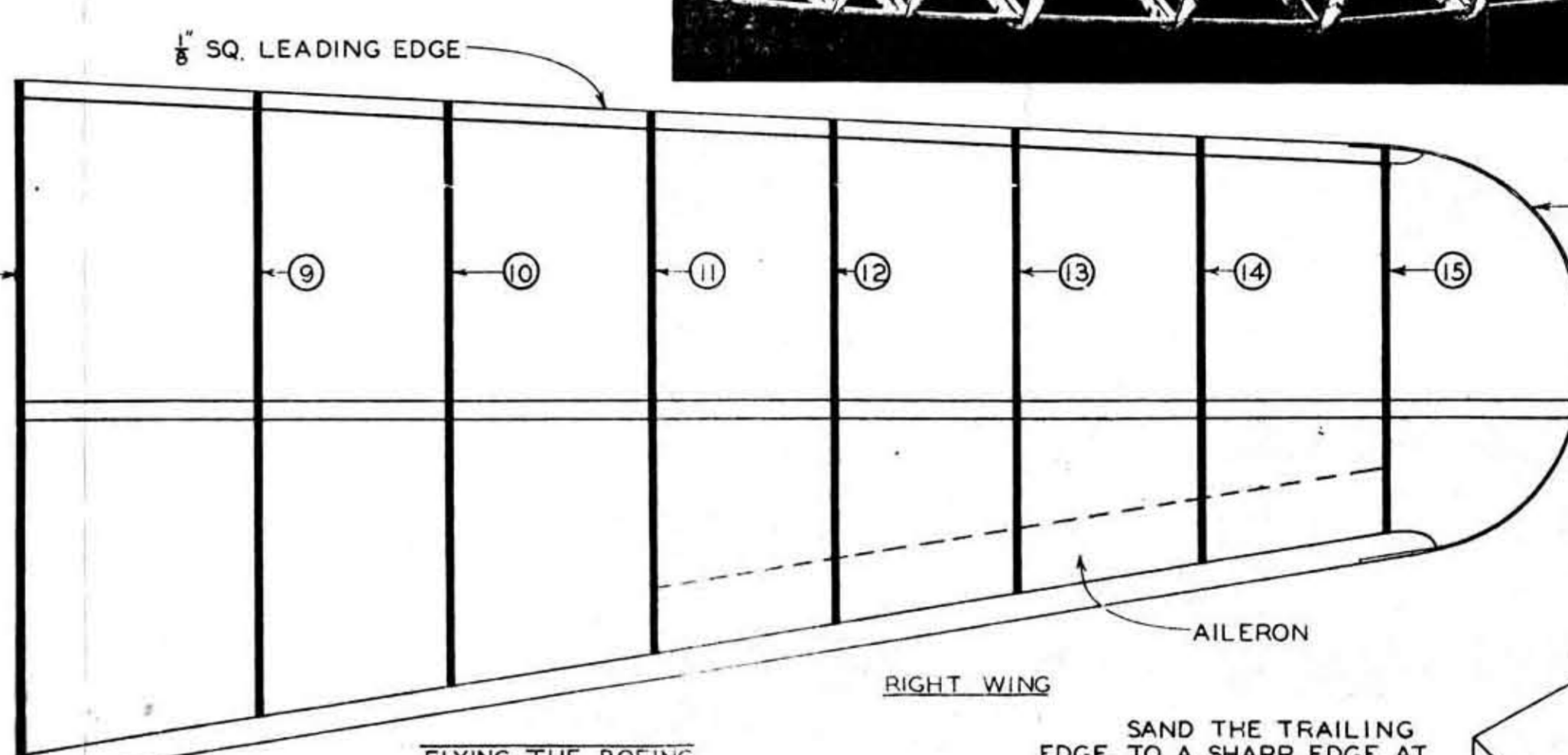
THE FIRST STEP IN THE CONSTRUCTION OF THE WING IS TO PIN THE CENTER SPAR AND TRAILING EDGE OVER PLAN SO AS TO BE DIRECTLY OVER LINES REPRESENTING THEM. NEXT CEMENT THE RIBS TO THESE STRIPS SO THAT RIBS COVER THE HEAVY BLACK LINES. FINALLY CEMENT THE LEADING EDGE INTO NOTCHES OF FRONT ENDS OF RIBS.

ASSEMBLE THE TWO SIDES OF PRIMARY STRUCTURE USING SPACERS TO CONFORM TO THE LENGTHS OF THE TOP VIEW.

LEADING AND TRAILING EDGES ARE NOTCHED FOR BAMBOO WING TIPS TO FIT INTO.



LEFT WING



RIGHT WING

BAMBOO WING TIP



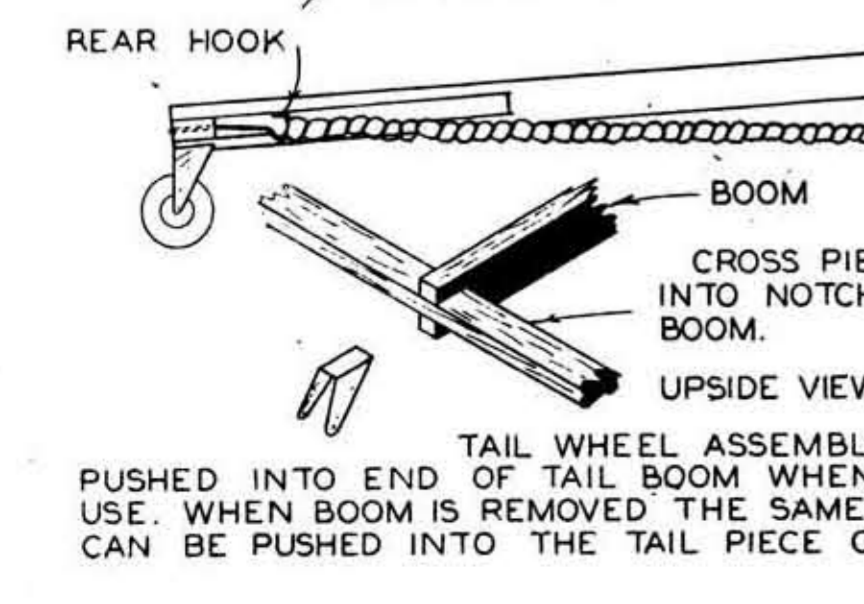
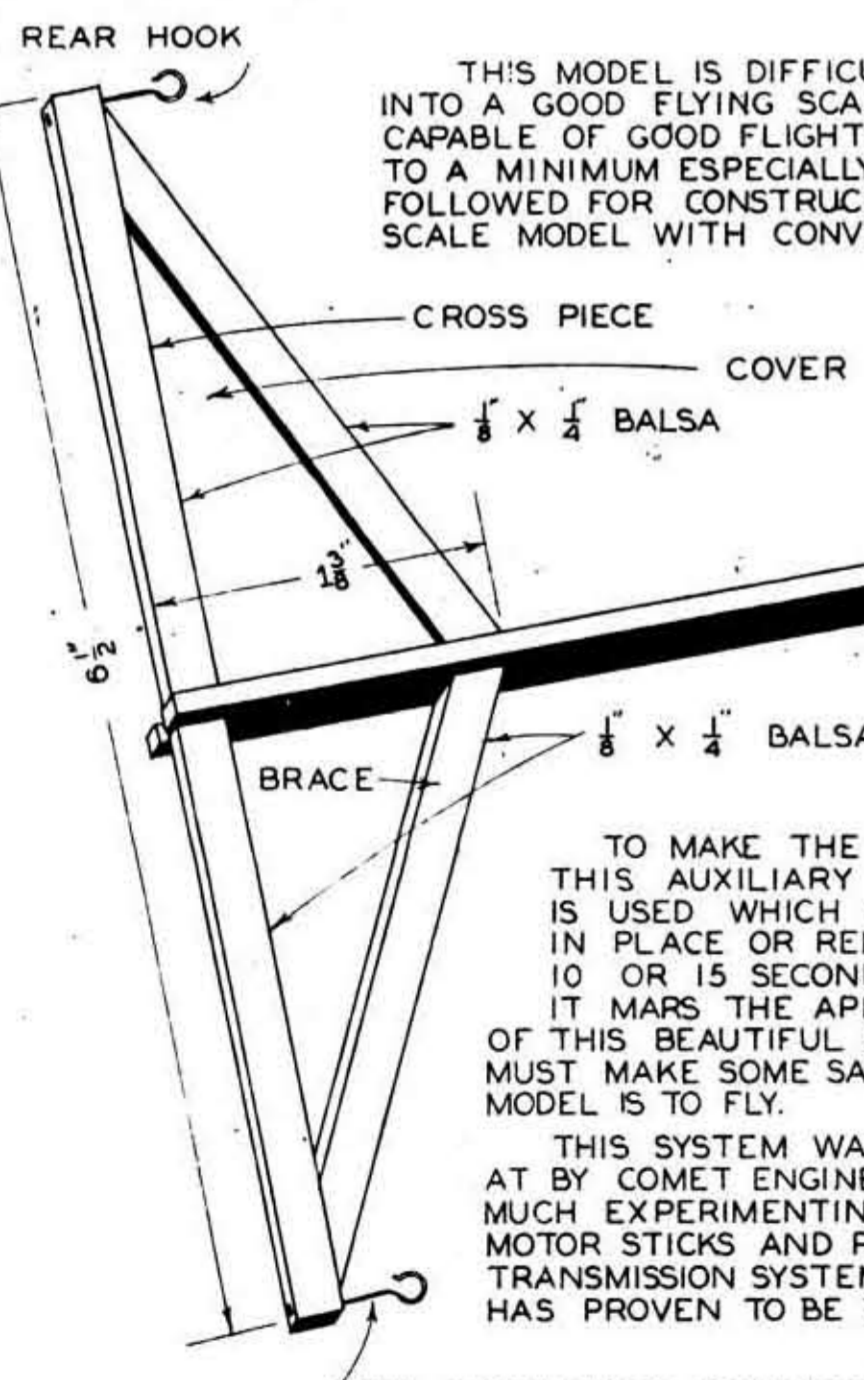
SAND THE TRAILING EDGE TO A SHARP EDGE AT THE REAR

FLYING THE BOEING  
THE LOWER PORTION OF THIS PLAN DEALS ON HOW TO MAKE YOUR BOEING MODEL FLY.

THIS MODEL IS DIFFICULT TO INCORPORATE INTO A GOOD FLYING SCALE MODEL. YET IT IS CAPABLE OF GOOD FLIGHTS IF WEIGHT IS CUT DOWN TO A MINIMUM ESPECIALLY AT TAIL END. THE PLAN MAY BE FOLLOWED FOR CONSTRUCTING EITHER AN EXACT SCALE OR FLYING SCALE MODEL WITH CONVERTIBLE FEATURES.

THIS PROPELLER IS USED ON EITHER THE FLYING OR SCALE MODEL. HOWEVER THE EXACTING SCALE MODELER CAN USE A DIE-CAST OR AN ALUMINUM PROPELLER.

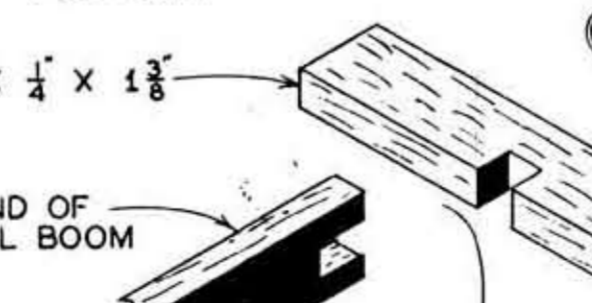
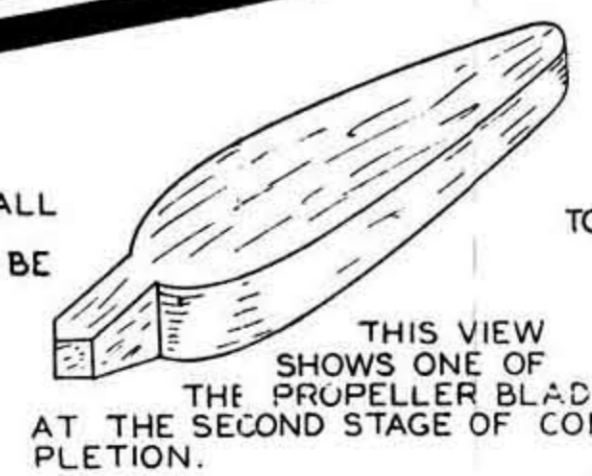
CUT RIBS FROM 1/8 THICK SHEET Balsa. FOR FLYING MODEL SAND IT DOWN A LITTLE. CUT TWO OF EACH.



TAIL WHEEL ASSEMBLY IS MERELY PUSHED INTO END OF TAIL BOOM WHEN IN FLYING USE. WHEN BOOM IS REMOVED THE SAME TAIL WHEEL CAN BE PUSHED INTO THE TAIL PIECE OF FUSELAGE.

PAINT MODEL A SILVER GREY ALL OVER. TRIMMINGS ARE BLACK. BEST FLYING RESULTS ARE TO BE EXPECTED IF MODEL IS LEFT UNPAINTED.

TO MAKE THE BOEING FLY THIS AUXILIARY ATTACHMENT IS USED WHICH CAN BE PUT IN PLACE OR REMOVED IN 10 OR 15 SECONDS. ALTHOUGH IT MARS THE APPEARANCE OF THIS BEAUTIFUL SHIP WE MUST MAKE SOME SACRIFICE IF MODEL IS TO FLY. THIS SYSTEM WAS ARRIVED AT BY COMET ENGINEERS AFTER MUCH EXPERIMENTING WITH MOTOR STICKS AND PULLEY TRANSMISSION SYSTEMS AND HAS PROVEN TO BE BEST.



CUT SIX BLADES FROM 3/8" THICK TO ABOVE PATTERN.

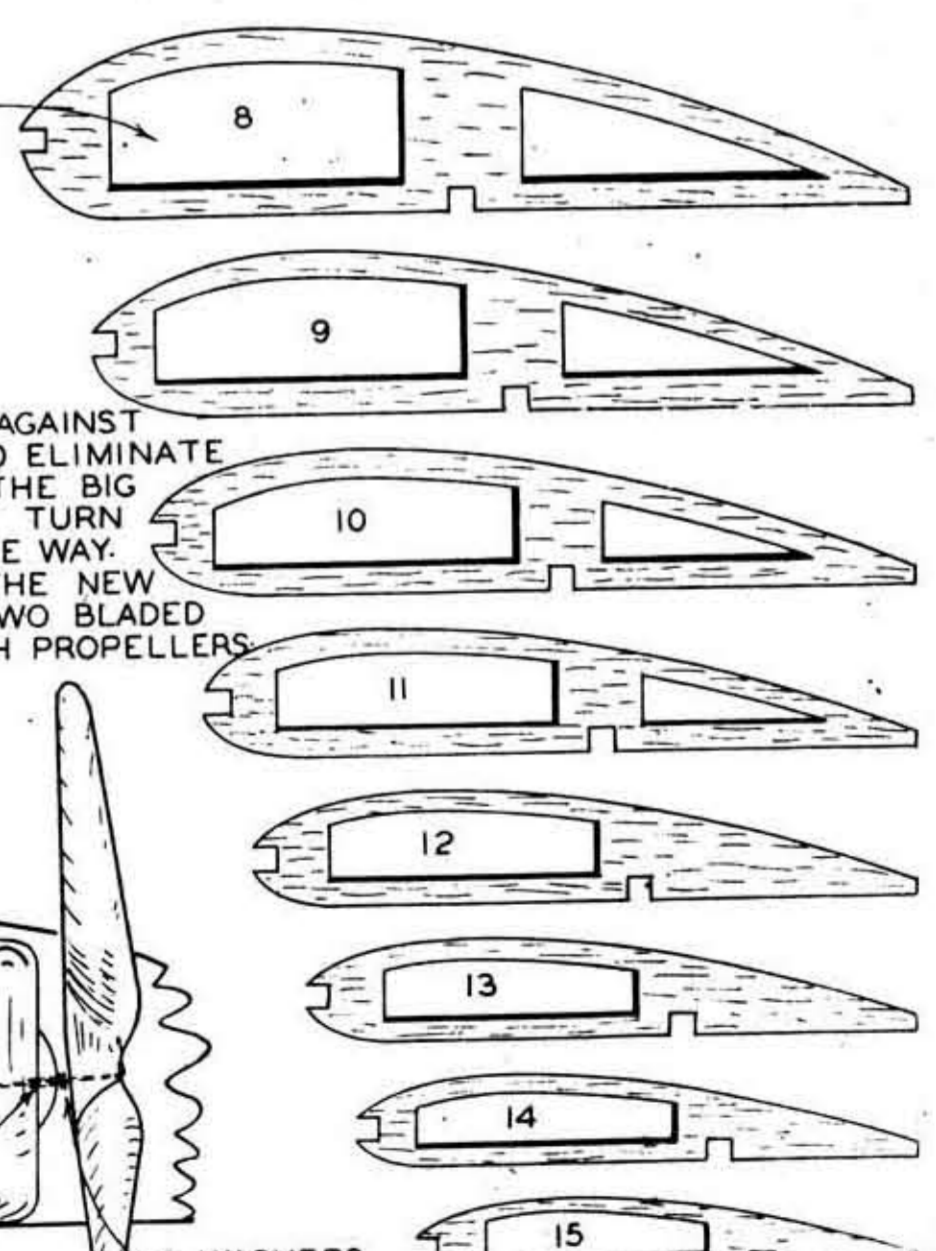
TAPER EACH BLADE AS SHOWN ABOVE. THIS A SIDE VIEW.

CEMENT THE THREE BLADES TOGETHER AS SHOWN AT RIGHT ALLOWING CEMENT TO HARDEN THOROUGHLY.

THIS PIECE IS CEMENTED TO STATION G AS SHOWN HERE.

CUT AWAY INNER PORTIONS OF RIBS TO REDUCE WEIGHT.

CARVE PROP AS USUAL. IT IS BEST TO CARVE PROPS SO THAT THEY TURN AGAINST EACH OTHER TO ELIMINATE TORQUE. ON THE BIG SHIPS THEY TURN IN THE SAME WAY. SOME OF THE NEW BOEINGS HAVE TWO BLADED ADJUSTABLE PITCH PROPELLERS.



THE TENSION OF THE RUBBER MOTORS WILL KEEP THE BOOM IN PLACE.

FOUR FEET OF 1/8" FLAT RUBBER IS REQUIRED FOR EACH MOTOR.

A PIECE OF CELLOPHANE MAY BE USED TO COVER A SMALL SECTION OF BOTTOM OF FUSELAGE WHICH GIVES VISIBILITY IN STICKING BOOM INTO FUSELAGE.

SECTION OF WING AT RIB 10 SHOWING PROP SHAFT.

2 WASHERS  
1/8 DIA. ALUMINUM TUBING USED FOR BUSHINGS.

NOTE: THIS PLAN IS FULL SIZED. PARTS TO BE CUT MAY BE LAID DIRECTLY OVER THE PLAN AND CUT TO THE CORRECT LENGTH ALL PATTERNS ARE EXACT SIZE.

