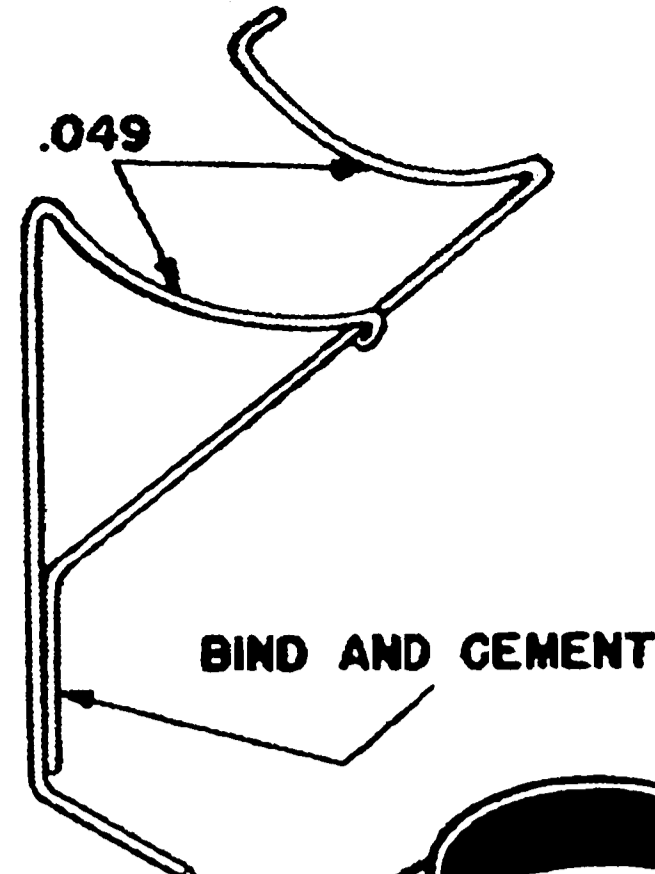


RUDDER:
CONSTRUCT THE RUDDERS ENTIRELY FROM $\frac{1}{8}$ " SHEET BALS. TWO ARE REQUIRED.

CARVE TWO AIR SCOOPS FROM BLOCKS OF VERY SOFT AND LIGHT BALS.

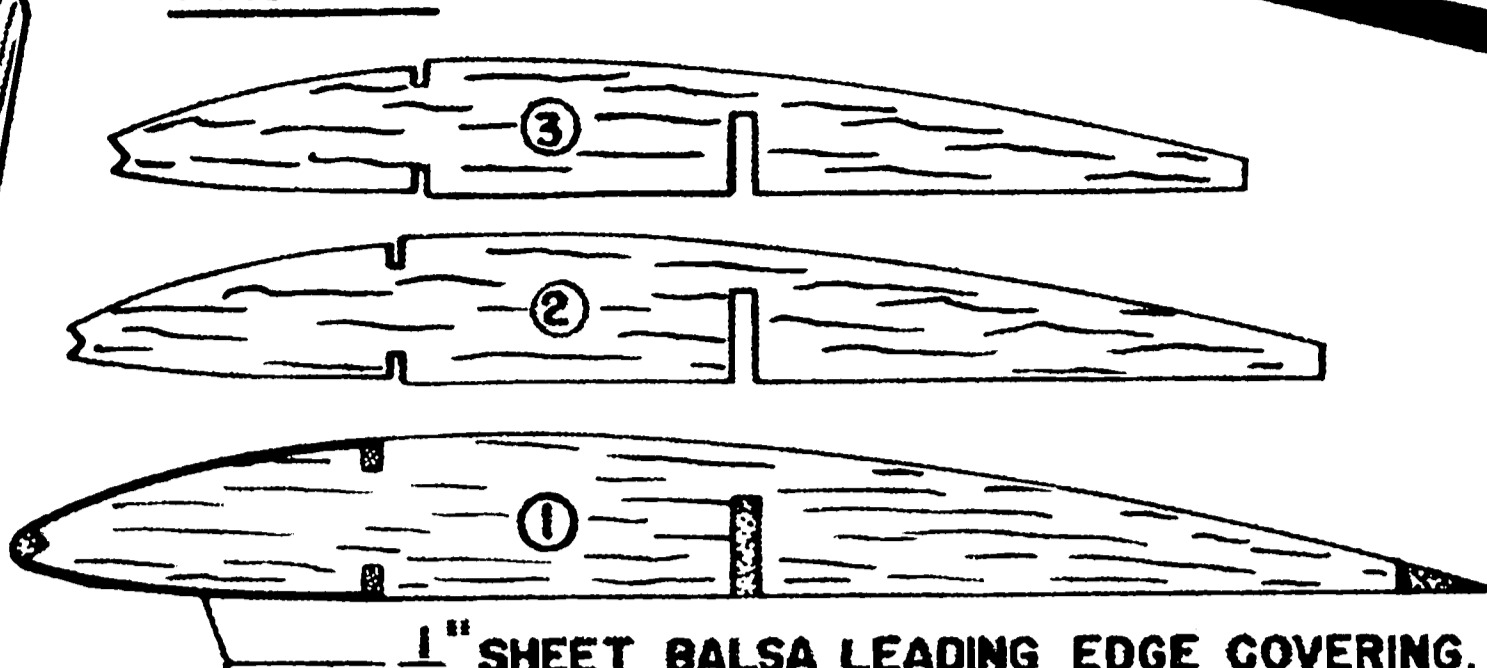
LANDING GEAR DETAIL:

BEND THE LANDING GEAR STRUTS TO THE SHAPE SHOWN FROM .049 MUSIC WIRE. NOTE THAT THE FRONT STRUT IS GLUED AND BOUND TO BULKHEAD "L" AND THE REAR STRUT TO BULKHEAD "M".



DIHEDRAL AT EACH STABILIZER TIP IS 1". EACH WING TIP HAS $2\frac{1}{2}$ " DIHEDRAL.

WING RIBS:

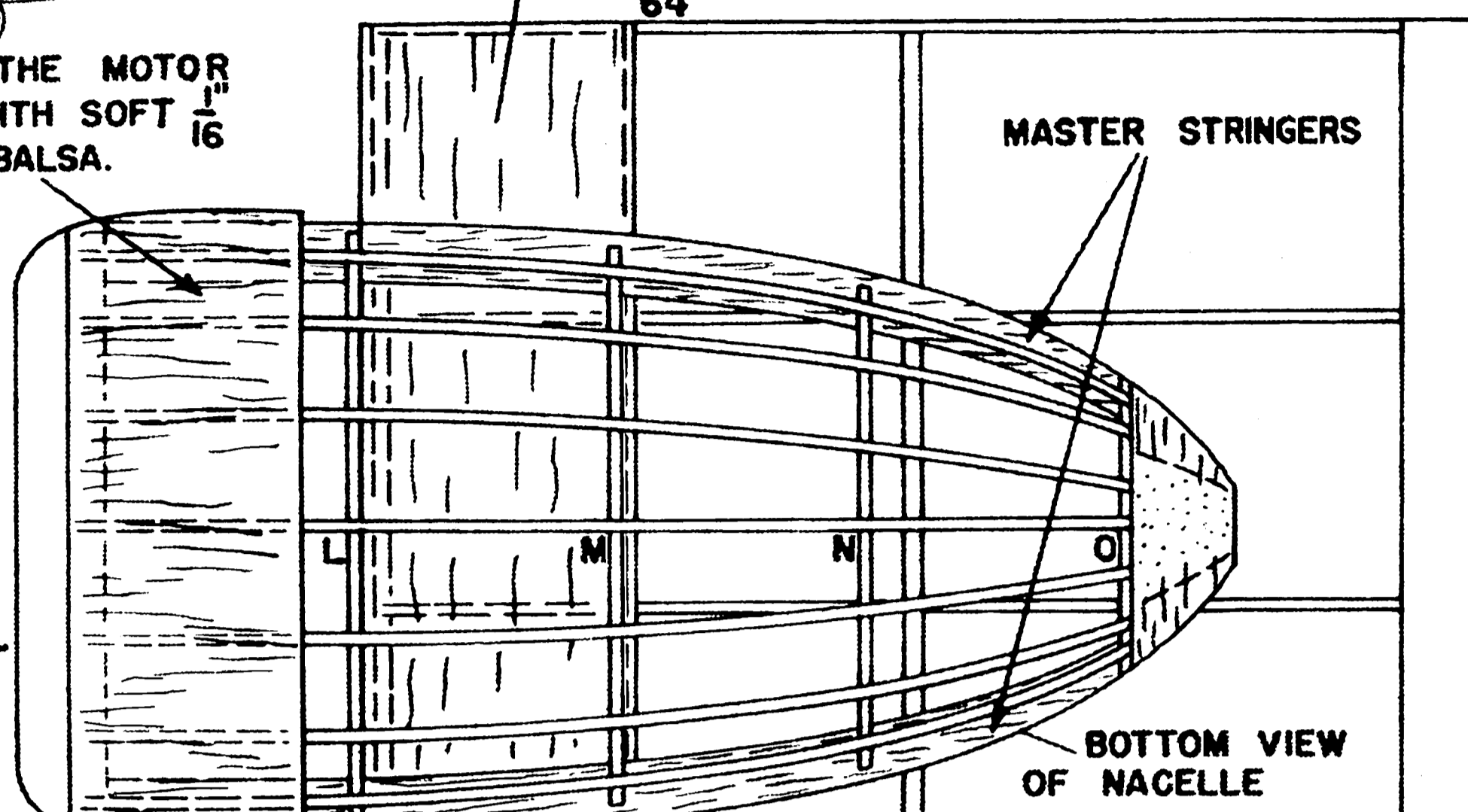


CUT ALL OF THE WING RIBS FROM $\frac{1}{16}$ " SHEET BALS.

CUT BULKHEAD "L" FROM HARD $\frac{1}{16}$ " SHEET BALS.

BEND THE REAR HOOK FROM .040 MUSIC WIRE.

COVER THE MOTOR COWL WITH SOFT $\frac{1}{16}$ " SHEET BALS. NOTE GRAIN.



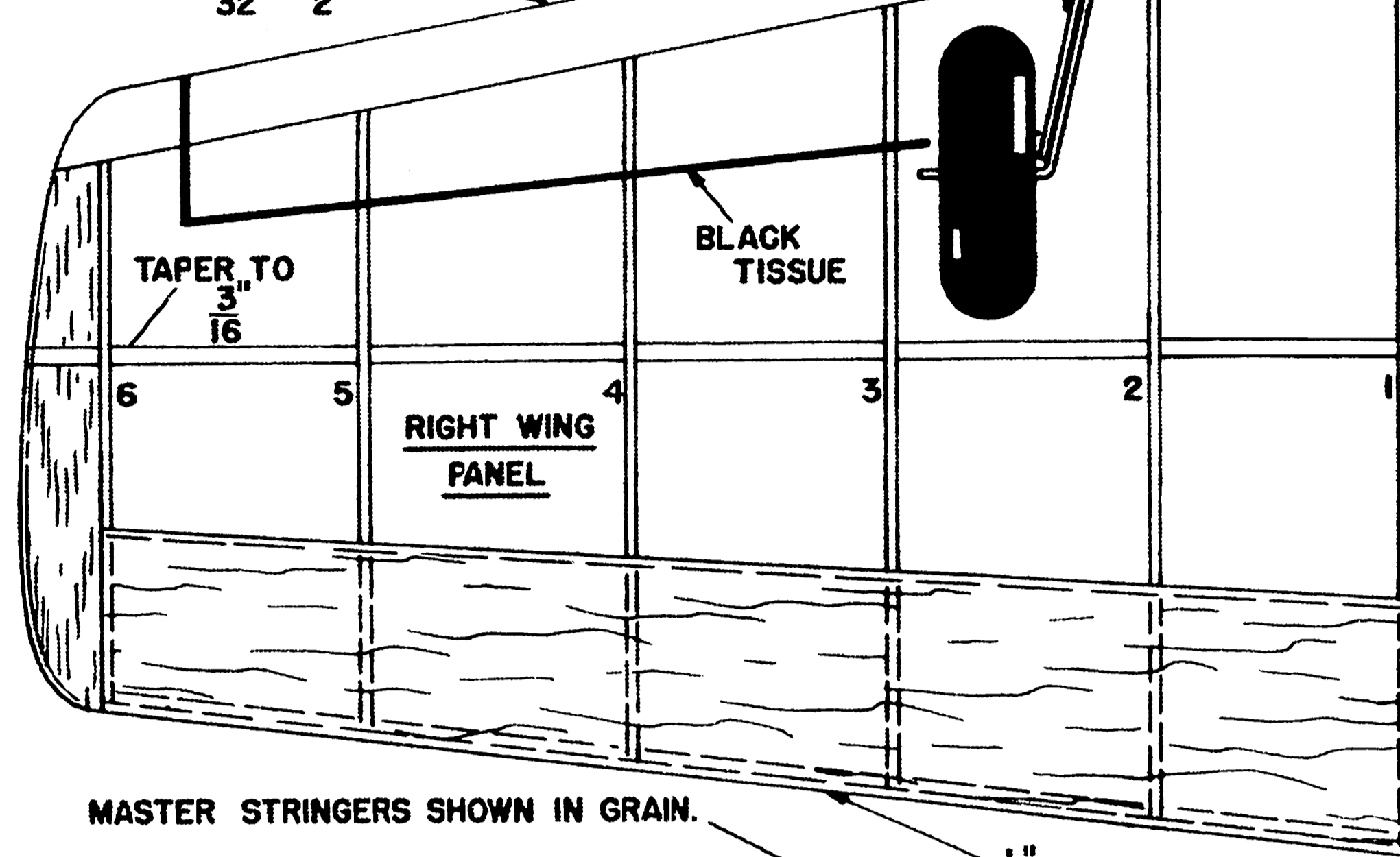
MASTER STRINGERS

BOTTOM VIEW OF NACELLE

$\frac{1}{8}$ " SQUARE LEADING EDGE

ALL CENTER SECTION RIBS ARE RIBS NO. 1.

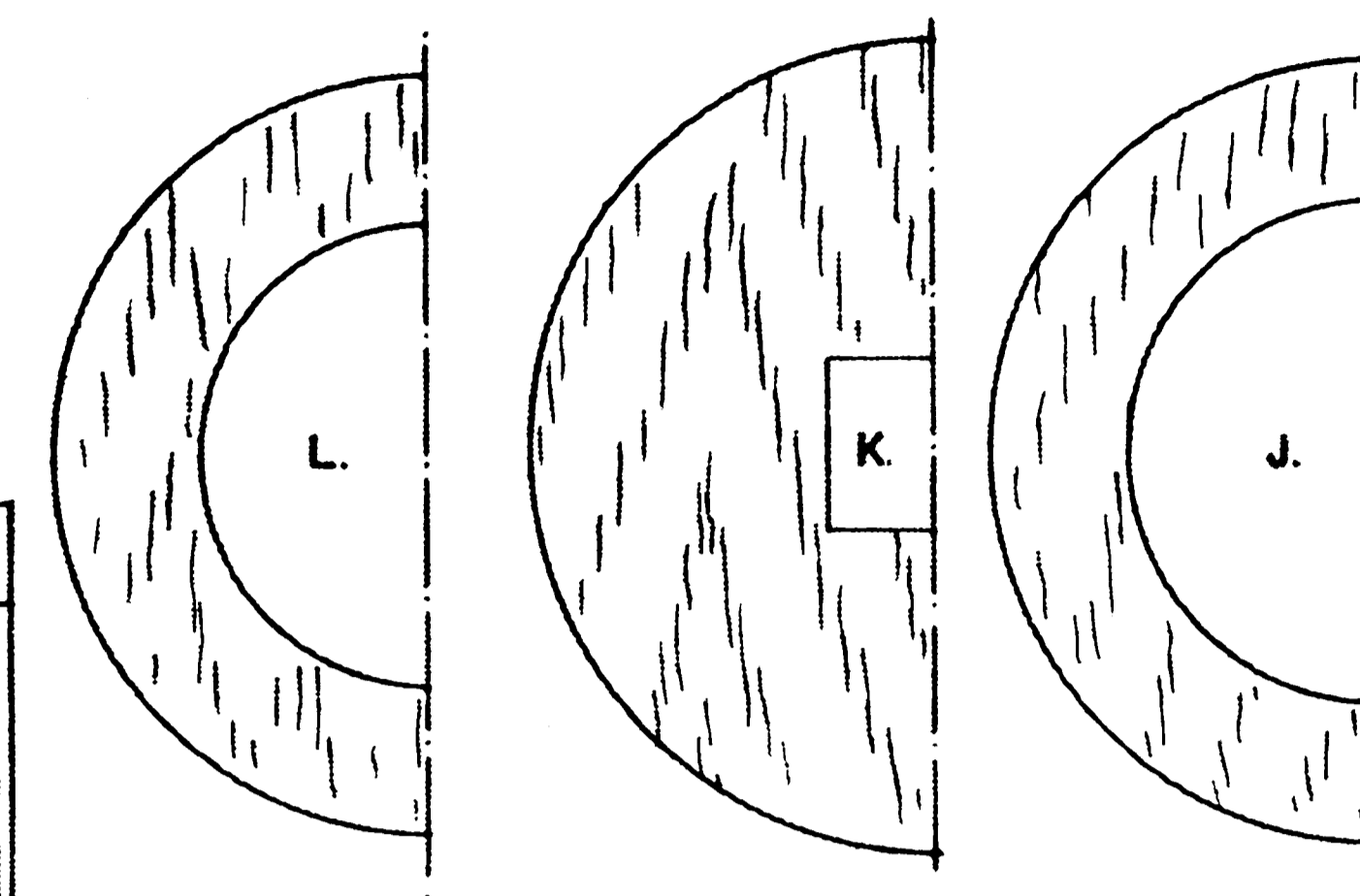
THE TRAILING EDGE IS SHAPED FROM $\frac{5}{32}$ " X $\frac{1}{2}$ " BALS.



MASTER STRINGERS SHOWN IN GRAIN.

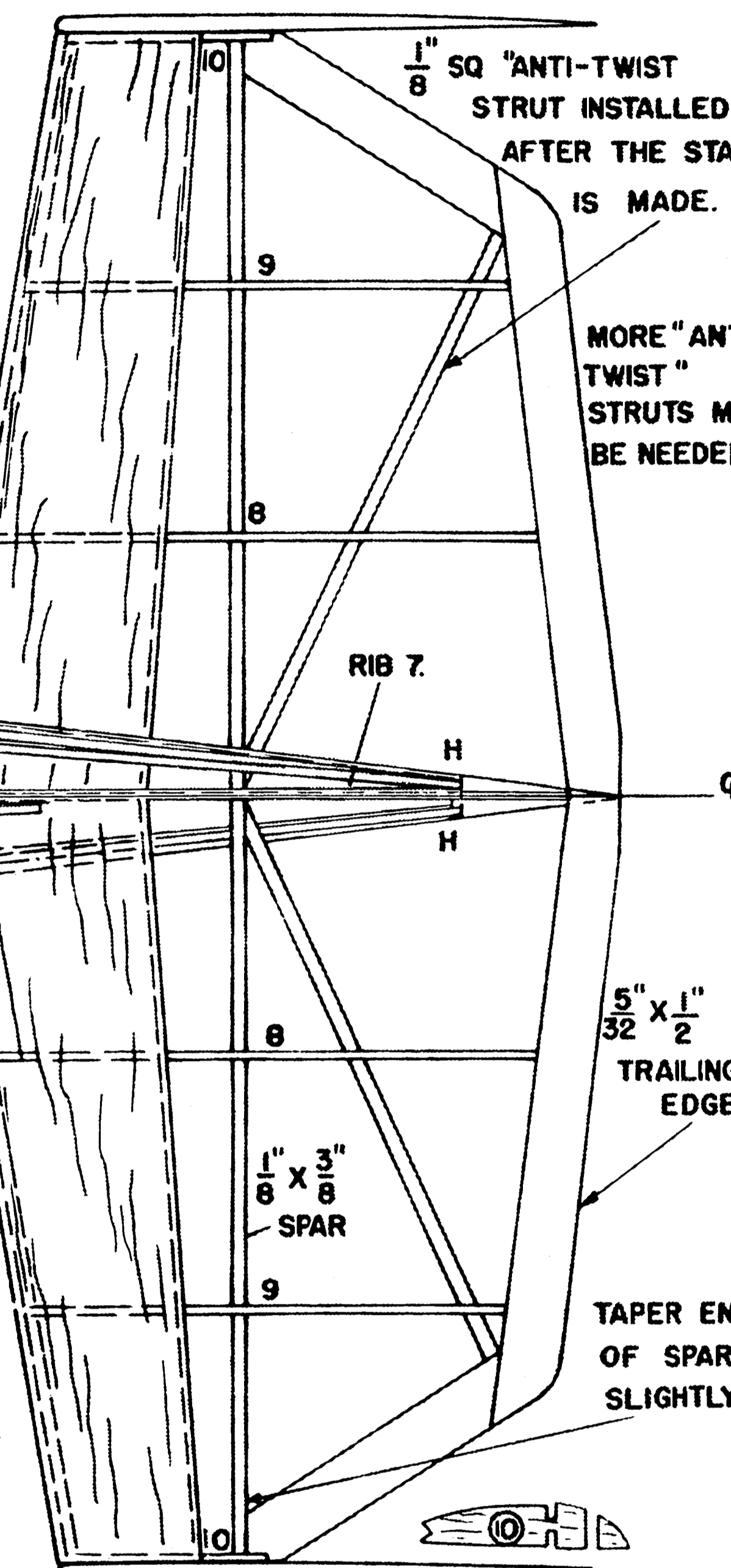
$\frac{1}{8}$ " SQ. LEADING EDGE

"K" IS $\frac{1}{4}$ " SOFT SHEET "J" IS $\frac{3}{8}$ " SHEET



$\frac{1}{8}$ " SQ 'ANTI-TWIST' STRUT INSTALLED AFTER THE STAB. IS MADE.

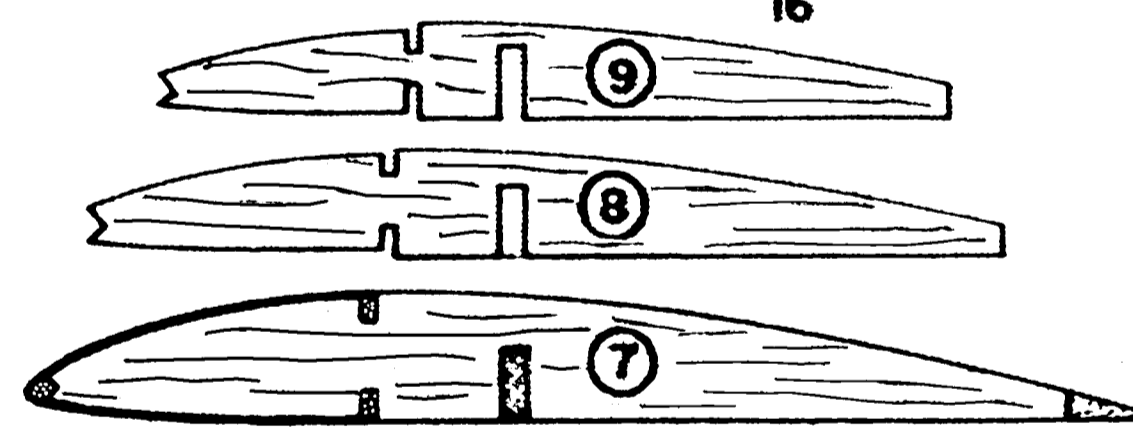
MORE 'ANTI-TWIST' STRUTS MAY BE NEEDED.



$\frac{5}{32}$ " X $\frac{1}{2}$ " TRAILING EDGE

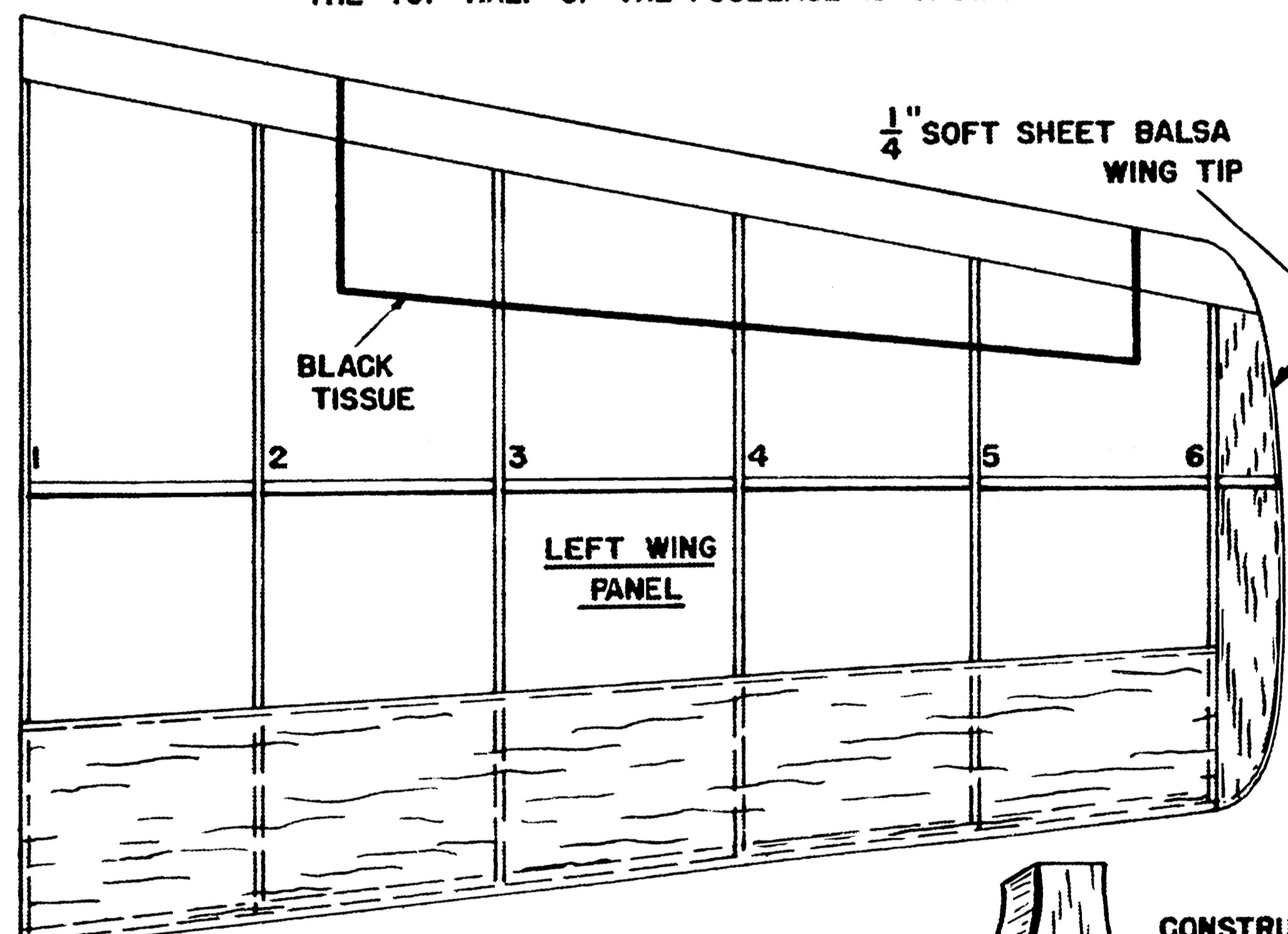
TAPER END OF SPAR SLIGHTLY.

STABILIZER RIBS: ALL ARE $\frac{1}{16}$ " SHEET BALS.



NOTE:

THE BOTTOM HALF OF THE FUSELAGE IS SHOWN ABOVE \bar{C} THE TOP HALF OF THE FUSELAGE IS SHOWN BELOW THE \bar{C}



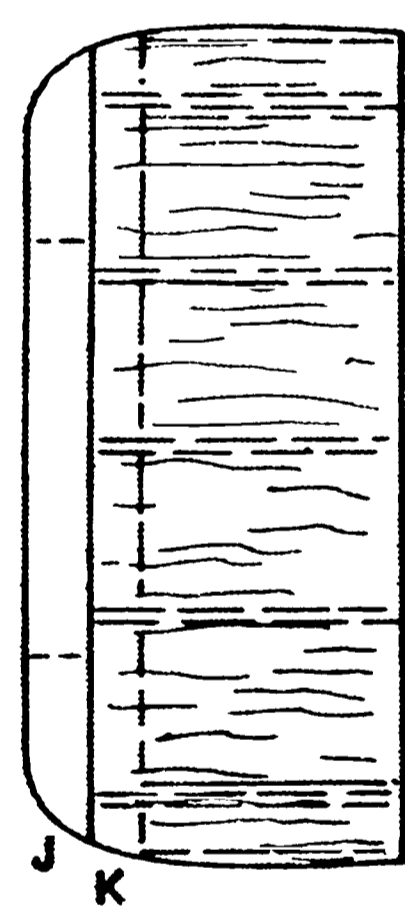
$\frac{1}{4}$ " SOFT SHEET BALS WING TIP

BLACK TISSUE

LEFT WING PANEL

MASTER STRINGERS ARE CUT FROM $\frac{1}{8}$ " SHEET BALS.

FOUR MOTOR NACELLE MASTER STRINGERS ARE REQUIRED.



$\frac{1}{8}$ " X $\frac{1}{2}$ " WING SPAR

$\frac{1}{16}$ " X $\frac{1}{8}$ "

$\frac{1}{16}$ " SQ. BRACE

THESE STRINGERS ARE ADDED AFTER MOTOR NACELLE IS CEMENTED IN PLACE.

PROPELLER DETAIL:

CARVE ONE RIGHT AND ONE LEFT HANDED PROPELLER.

CARVE THE NOSE BLOCK FROM SOFT BALS.

AIR SCOOP POSITION

WING AIRFOIL

$\frac{1}{8}$ " SQ. STRINGER

MASTER STRINGER

SOFT BALS

NACELLE BULKHEADS:

2 $\frac{1}{4}$ " DIA. BALS WHEELS

THE PLUG IS MADE FROM TWO PIECES OF $\frac{3}{8}$ " STOCK GLUED CROSS-GRAIN.

$\frac{1}{16}$ " SHEET TO FIT BULKHEAD "K"

WASHER

.049 PROP SHAFT

HEADREST POSITION

BUILD THE CABIN FROM BAMBOO STRIPS AND THEN COVER WITH THIN CELLULOID.

CONSTRUCT THE HEADREST FROM $\frac{1}{32}$ " SHEET BALS.

CARVE THE TAIL BLOCK FROM SOFT AND LIGHT BALS.

USE A FREEWHEEL ON THE PROPS.

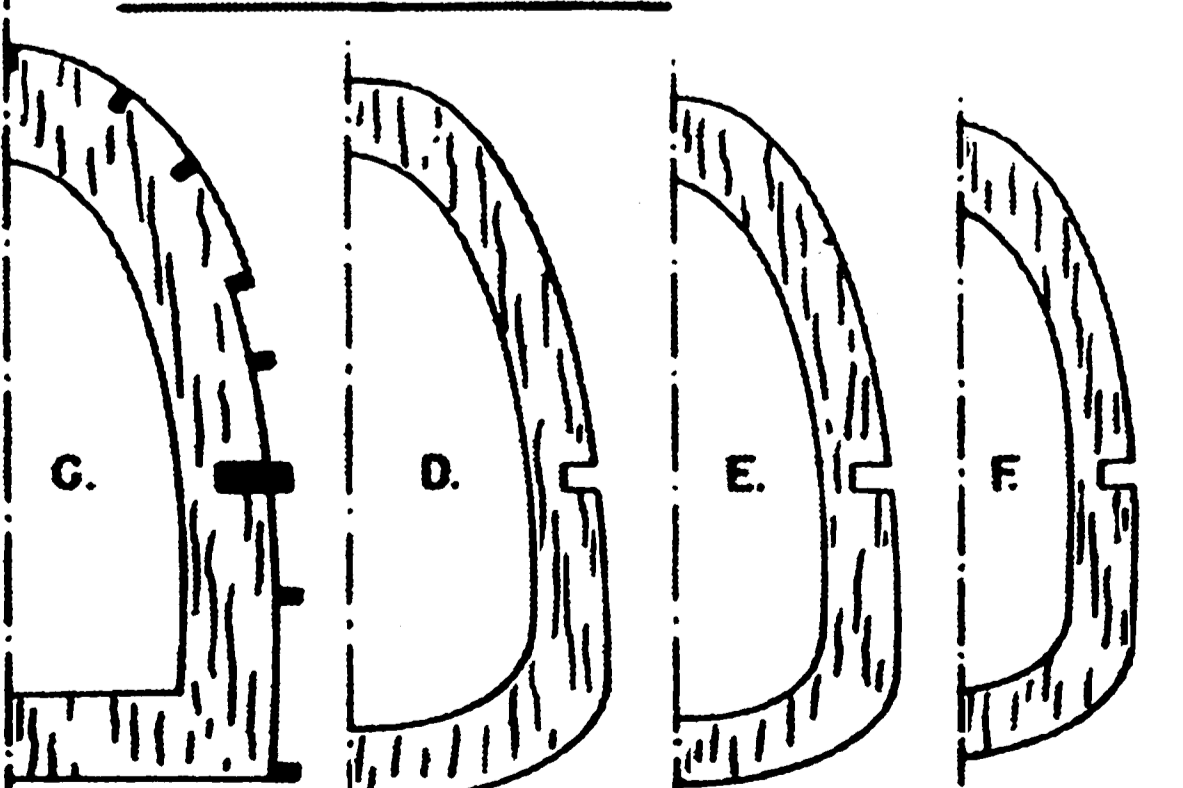
NOSE PLUG DETAIL:

WASHER

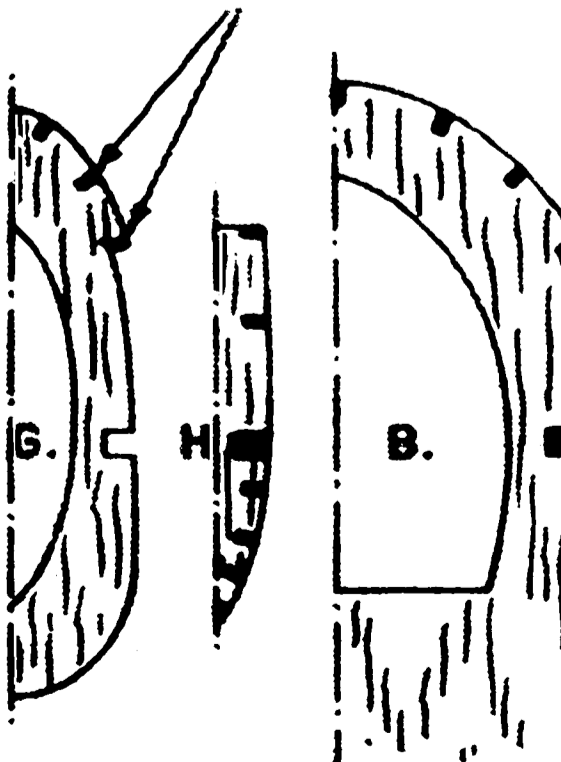
$\frac{1}{16}$ " SHEET TO FIT BULKHEAD "K"

.049 PROP SHAFT

FUSELAGE BULKHEADS:



FUSELAGE STRINGERS



$\frac{1}{8}$ " DIA. BALS WHEEL.

MASTER STRINGER

TAIL WHEEL

STRUT DETAIL:

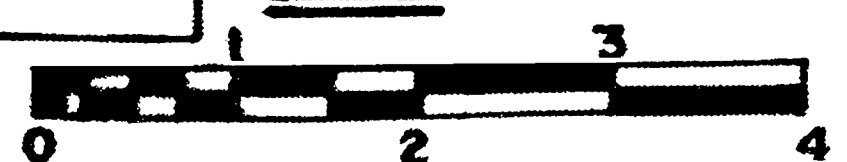
$\frac{1}{4}$ " SHEET

.034 MUSIC WIRE

ALL FUSELAGE AND NACELLE STRINGERS ARE $\frac{1}{16}$ " X $\frac{1}{8}$ " BALS STRIPS. ALL FUSELAGE BULKHEADS ARE CUT FROM $\frac{1}{16}$ " SHEET BALS. NACELLE BULKHEADS "M", "N", & "O" ARE $\frac{1}{16}$ " SHEET BALS.

EACH PROPELLER IS POWERED BY 8 TO 10 STRANDS OF $\frac{3}{16}$ " FLAT BROWN CONTEST RUBBER.

THE MODEL IS BUILT TO THE SCALE OF ONE INCH TO THE FOOT.



DRAWN BY SIDNEY STRUHL 1941.