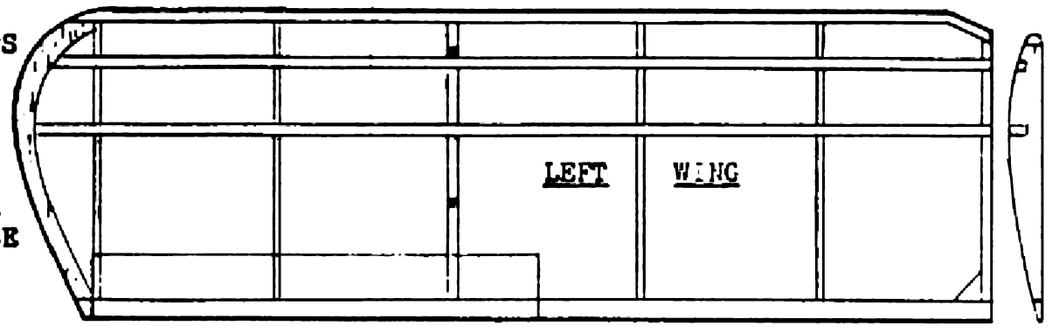
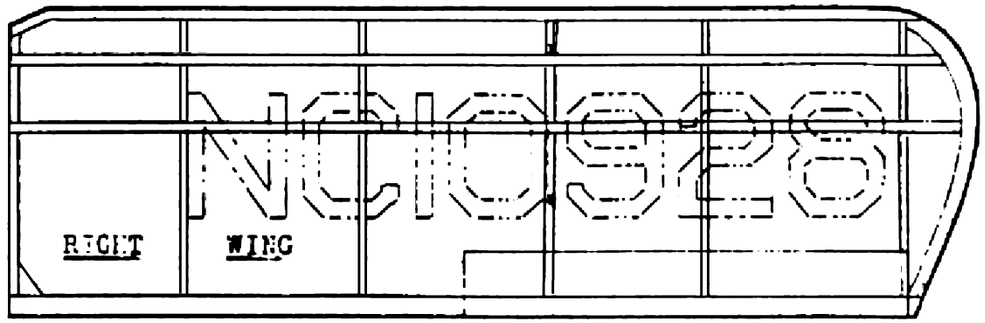
WING TIPS ARE CUT FROM 1/16TH SHEET BALSA - GRAIN IS CHORDWISE

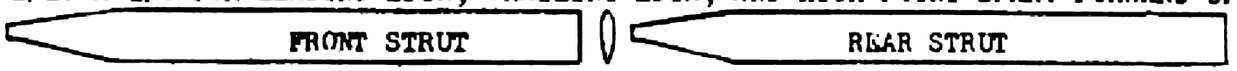


ROOT RIB



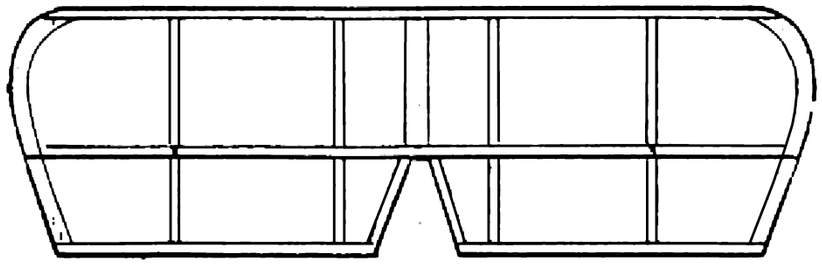
MAIN RIBS

USE 1/16 X 1/8 FOR LEADING EDGE, TRAILING EDGE, AND HIGH-POINT SPAR. FORWARD SPAR IS 1/16TH SQUARE. ROOT AND STRUT LOCATION RIBS 1/16TH



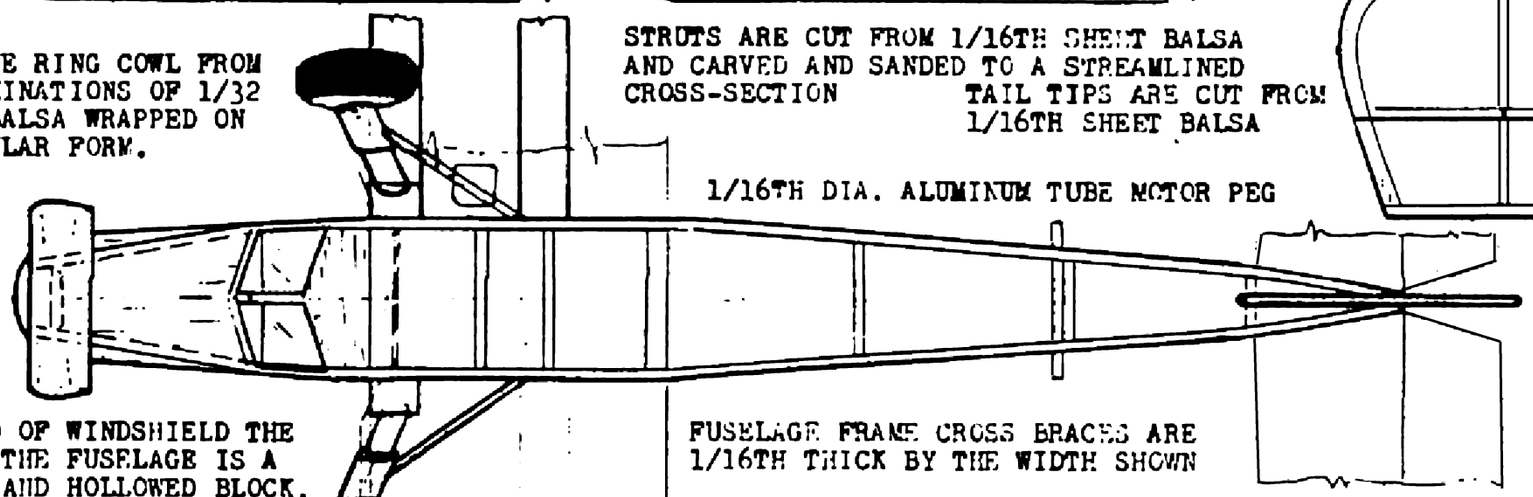
STRUTS ARE CUT FROM 1/16TH SHEET BALSA AND CARVED AND SANDED TO A STREAMLINED CROSS-SECTION

TAIL TIPS ARE CUT FROM 1/16TH SHEET BALSA



MAKE THE RING COWL FROM TWO LAMINATIONS OF 1/32 SHEET BALSA WRAPPED ON A CIRCULAR FORM.

1/16TH DIA. ALUMINUM TUBE MOTOR PEG



HORIZONTAL TAIL. - ALL PARTS ARE 1/16TH THICK BY WIDTH SHOWN ON PLAN

COLOR SCHEME MAY BE ANYTHING YOU LIKE SINCE THERE WERE SEVERAL OF THESE AIRPLANES MADE. ONE WAS BLACK AND WHITE THAT I SAW.

FORWARD OF WINDSHIELD THE TOP OF THE FUSELAGE IS A CARVED AND HOLLOWED BLOCK. THE SIDES AND BOTTOM ARE SHEETED AND CARVED.

FUSELAGE FRAME CROSS BRACES ARE 1/16TH THICK BY THE WIDTH SHOWN

FUSELAGE LONGERONS ARE 1/16TH SQUARE BALSA

THE VERTICAL TAIL IS 1/16TH THICK - L.E.. RIBS, AND SPAR ARE 1/16TH SQUARE.

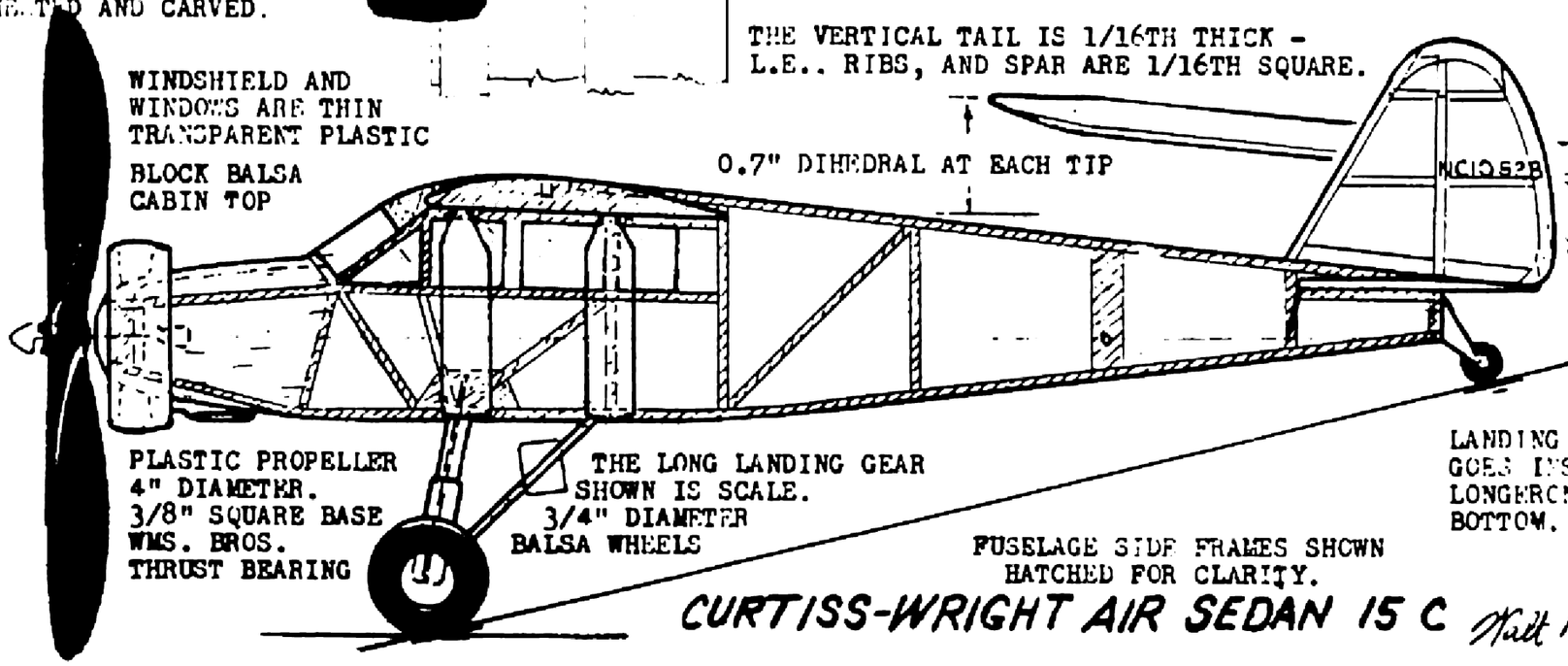
ALL STRUCTURE IS BALSA
ALL RIBS ARE 1/32ND SHEET EXCEPT THE ROOT AND STRUT LOCATION (SEE SMALL "X"S ON THE WING PLAN.

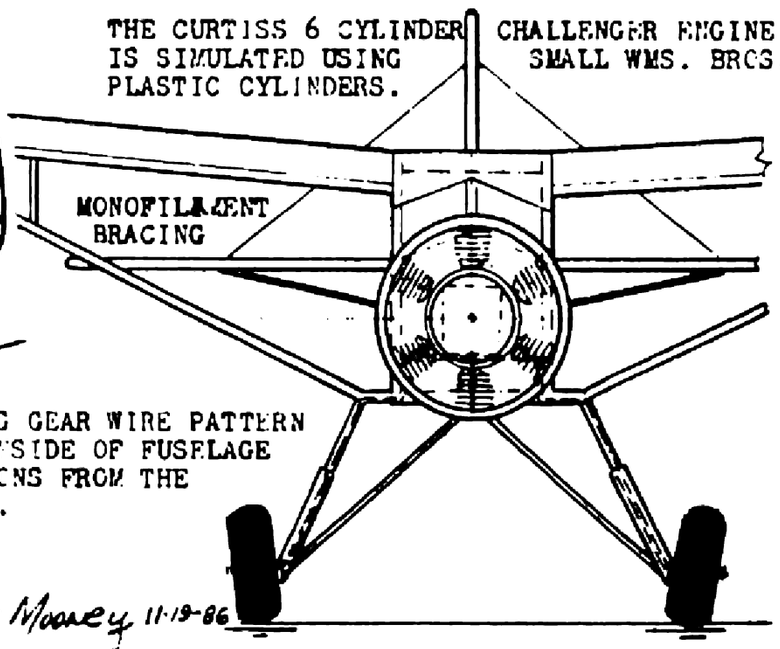
THE CURTISS 6 CYLINDER CHALLENGER ENGINE IS SIMULATED USING SMALL WMS. BROS. PLASTIC CYLINDERS.

WINDSHIELD AND WINDOWS ARE THIN TRANSPARENT PLASTIC

BLOCK BALSA CABIN TOP

0.7" DIHEDRAL AT EACH TIP





PLASTIC PROPELLER 4" DIAMETER. 3/8" SQUARE BASE WMS. BROS. THRUST BEARING

THE LONG LANDING GEAR SHOWN IS SCALE. 3/4" DIAMETER BALSA WHEELS

LANDING GEAR WIRE PATTERN GOES INSIDE OF FUSELAGE LONGERONS FROM THE BOTTOM.

FUSELAGE SIDE FRAMES SHOWN HATCHED FOR CLARITY.

CURTISS-WRIGHT AIR SEDAN 15 C

Walt Mooney 11-19-86