

VERON

THE FLEDGLING

A SIMPLE MODEL WITH CONTEST PERFORMANCE DESIGNED EXPRESSLY FOR BEGINNERS.

SPAN .. 24" WEIGHT. 2 1/2 ozs.

BLACK DOTS ON PLAN SHOW LOCATION OF PINS SECURING Balsa PARTS WHILST BUILDING.

DIAGRAM SHOWING ASSEMBLY OF NOSE BLOCK.

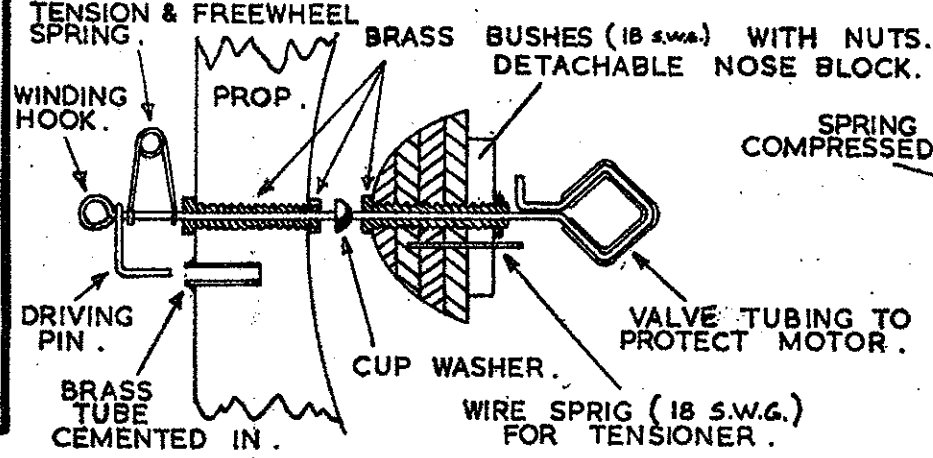


DIAGRAM SHOWING NOSEBLOCK IN RUNNING POSITION.

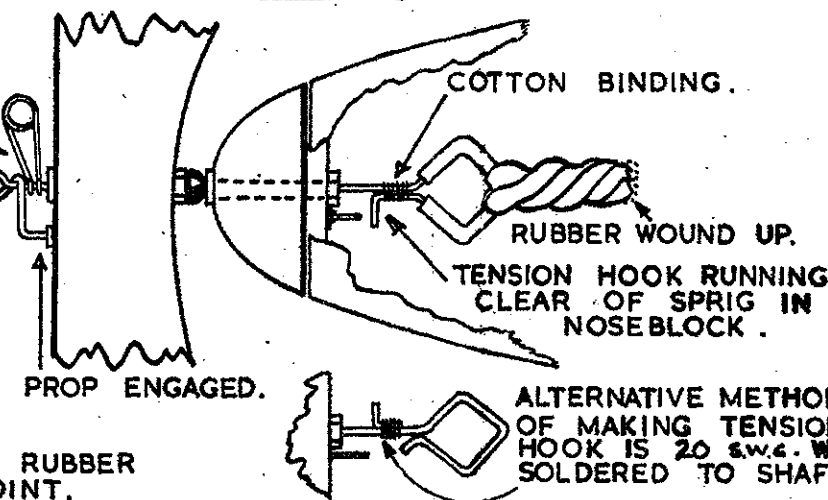
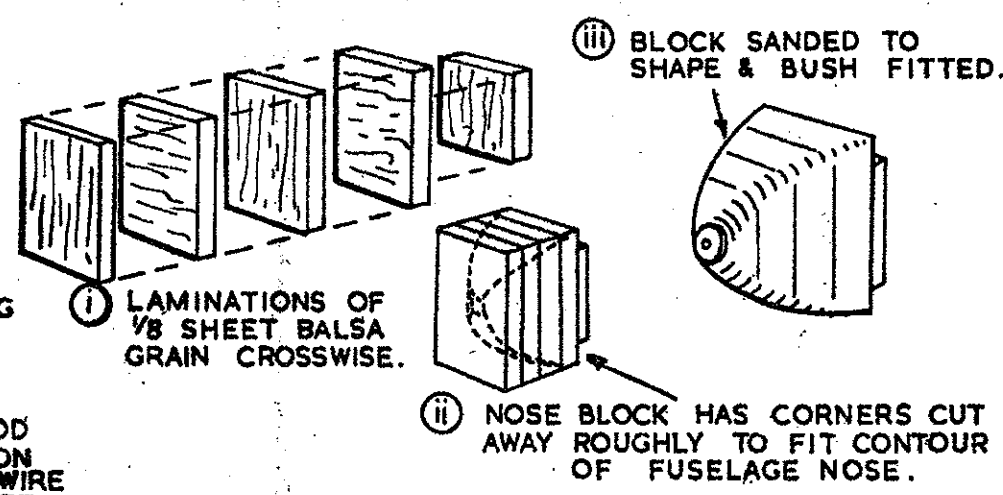


DIAGRAM SHOWING METHOD OF MAKING NOSE BLOCK.



BUILDING INSTRUCTIONS.

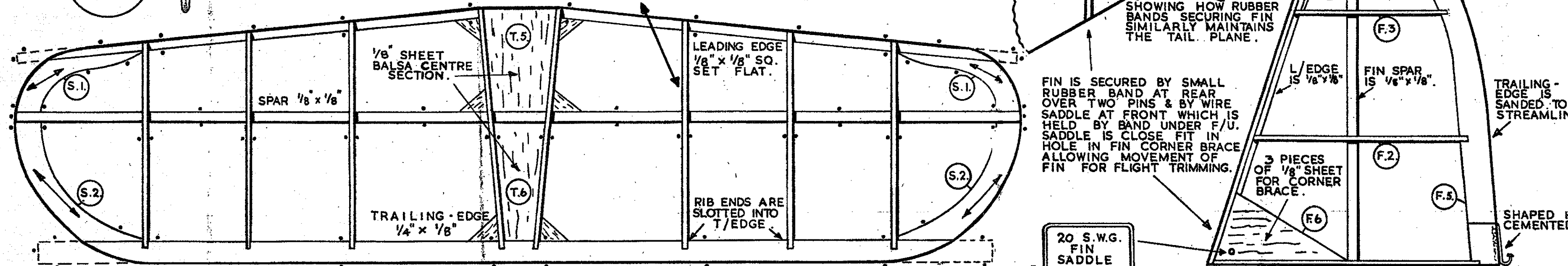
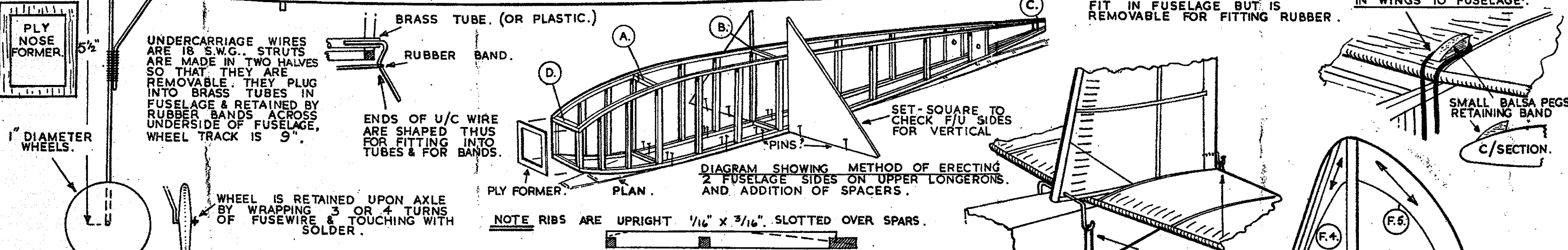
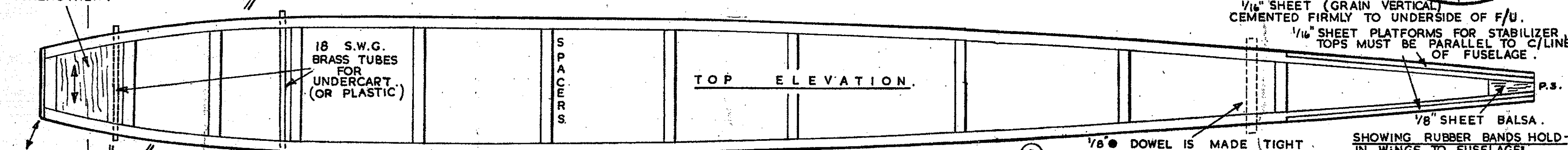
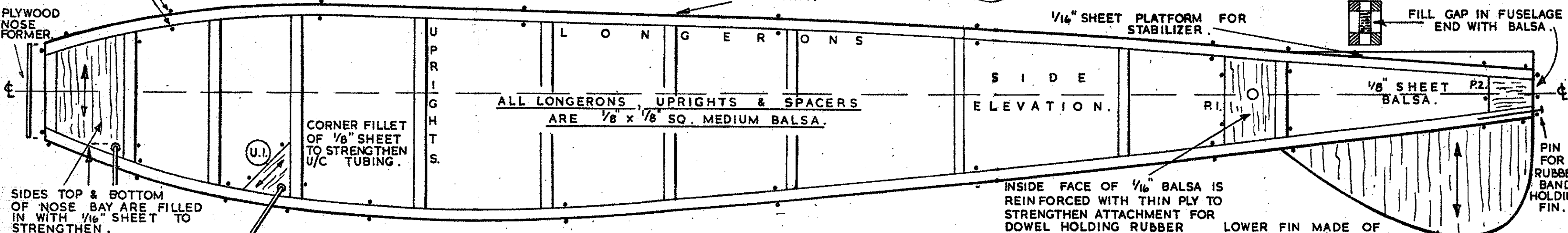
DENOTES WOOD GRAIN.

ALL WOODS ARE BALSA UNLESS OTHERWISE STATED. FIRSTLY CUT OUT ALL PRINTED PARTS AND IDENTIFY WITH THEIR RESPECTIVE LOCATIONS. COVER PLAN WITH WAXED TISSUE BEFORE BUILDING TO PREVENT ADHESION OF STRUCTURE TO PLAN.

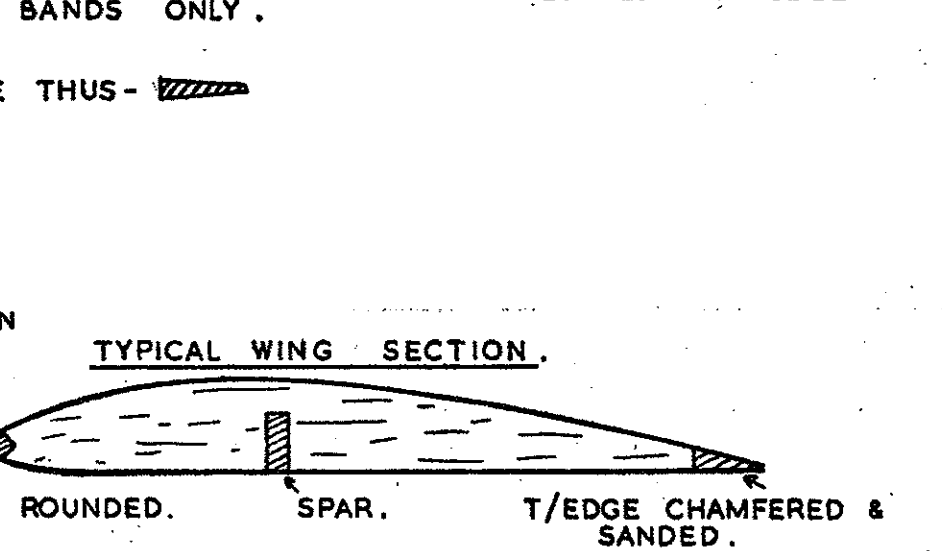
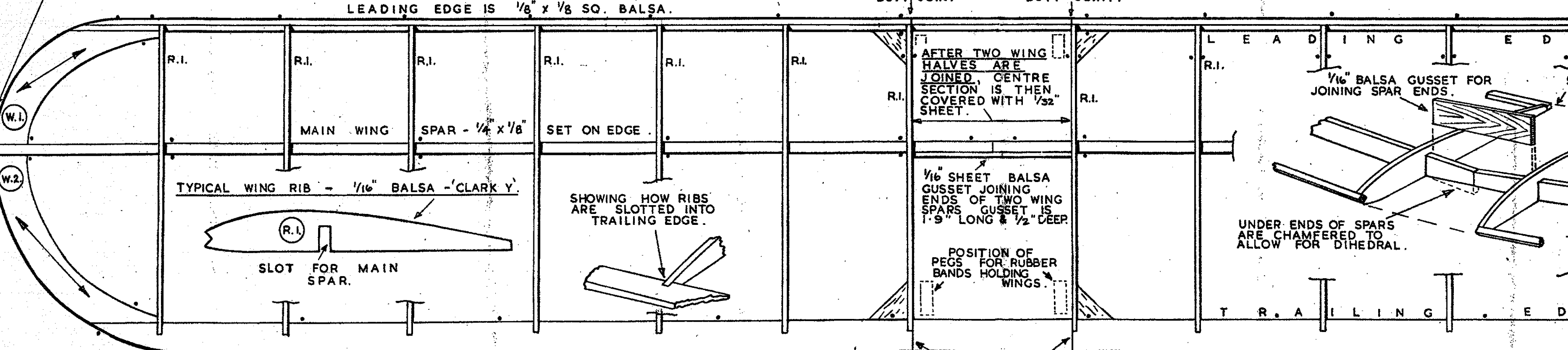
CHOOSE FOUR LENGTHS 1/8" x 1/8" EQUAL IN QUALITY FOR LONGERONS. STEAM TO APPROX SHAPE OVER KETTLE. PIN ONE SET LONGERONS TO SIDE ELEVATION. PINS EITHER SIDE OF WOOD (NOT THRU) WHERE SHOWN. CUT ALL UPRIGHTS IN PAIRS. INSERTING ONE SET, DOUBLE COATING ALL JOINTS WITH CEMENT. FILL IN NOSE BAY WITH 1/8" SHEET AND REAR SHEET FOR RUBBER FIXING DOWEL WHEN CEMENT IS DRY. REMOVE ALL INNER PINS & REMOVE SIDE FROM PLAN. INSERT OTHER TWO LONGERONS & BUILD IDENTICAL SIDE USING 2nd SET OF UPRIGHTS. TWO SIDES ARE NOW JOINED BY SETTING UPRIGHTS ON UPPER LONGERON & ADDING CROSSPIECES. LENGTHS OF WHICH ARE GIVEN ON TOP PLAN ELEVATION. CROSSPIECES AT CENTRE INSERTED FIRST (SEE DIAG.) STATIONS (A) (B) (C) AT REAR (D) AT NOSE. CHECK FUSELAGE THEN AT REAR (E) AT NOSE. CEMENT FIRMLY LOWER FIN & STABILIZER PLATFORMS. ENSURING LATTER HAVE TOPS PARALLEL WITH CENTRE LINE OF FUSELAGE. CEMENT FIRMLY IN PLACE THRU GUSSETS U. TWO BRASS OR PLASTIC TUBES FOR U/C FIXING. CEMENT IN PLACE NOSE PLY FORMER. CEMENT TOGETHER FIVE PIECES OF 1/8" SHEET FOR NOSEBLOCK. TRIM TO ENSURE CLOSE FIT IN NOSE & SAND TO SHAPE. FIT BUSH WITH PLENTY OF CEMENT TO FILL GRAIN. CARVE PROPELLER FROM 9" BLOCK AS PER SEPARATE INSTRUCTION SHEET. FIT SHAFT ASSEMBLY AS PER DIAGRAMS. FAMILIARISE YOURSELF WITH THE OPERATION & PURPOSES OF TENSIONER & FREEWHEEL DEVICE. DO NOT PUT RUBBER IN FUSELAGE TILL COVERED WINGS.

BUILD R. & LEFT WING HALVES SEPARATELY. PIN MAIN SPAR & TRAILING EDGES TO PLAN OVER WAXED PAPER. CEMENT RIBS IN PLACE NOTCHING REAR ENDS INTO TRAILING EDGE AS SHOWN. ATTACH L/EDGE 1/8" SO AT EVERY RIB ALSO PUT PIECES W.1. & W.2. CHAMFER T/EDGE AS SHOWN & SAND TIPS TO STREAMLINE. TRIM UNDER SIDES OF PROJECTING C/SECTION SPARS TO ALLOW DIHEDRAL. SET 2" BLOCKS UNDER BOTH TIPS & JOIN TWO WING HALVES WITH 1/16" SHEET GUSSET. WHEN SET DRY ADD L/EDGE & T/EDGE AT C/SECTION. ADD THEN THE 1/32" SHEET (GRAIN CROSSWISE) OVER TOP & BOTTOM SURFACES OF C/SECTION. SHAPE & CEMENT IN PLACE FOUR SMALL BALSA PEGS FOR RUBBER ATTACHMENT. IN & OUT PLANE (OR STABILIZER). CUT PIECE OF HARD 1/8" FOR FIN SPAR & POSITION & CEMENT THREE RIBS F.1, 2, & 3. CHECKING FOR SQUARENESS & ALIGNMENT. ADD T/EDGE F.5. SLOTTING RIBS INTO THIS. ADD L/EDGE 1/8". THEN TIP PIECE F.4. BUILD UP 3 PIECES 1/8" SHEET FOR CORNER BRACE. SAND TO SHAPE AND ADD WIRE SADDLE. T/EDGE & L/EDGE SPAR IS LAID OVER PLAN ALSO. THESE ARE UPRIGHT LENGTHS OF 1/16" x 1/16" SLOTTED OVER THE L/EDGE & SPAR & INTO THE T/EDGE. AFTERWARDS TRIMMED FOR UPPER CAMBER AS SHOWN. ADD C/SECTION 1/8" SHEET MAKING PLATFORM ON WHICH FIN RESTS. ALSO TIPS S.1. & S.2. REMOVE & SAND TO SHAPE.

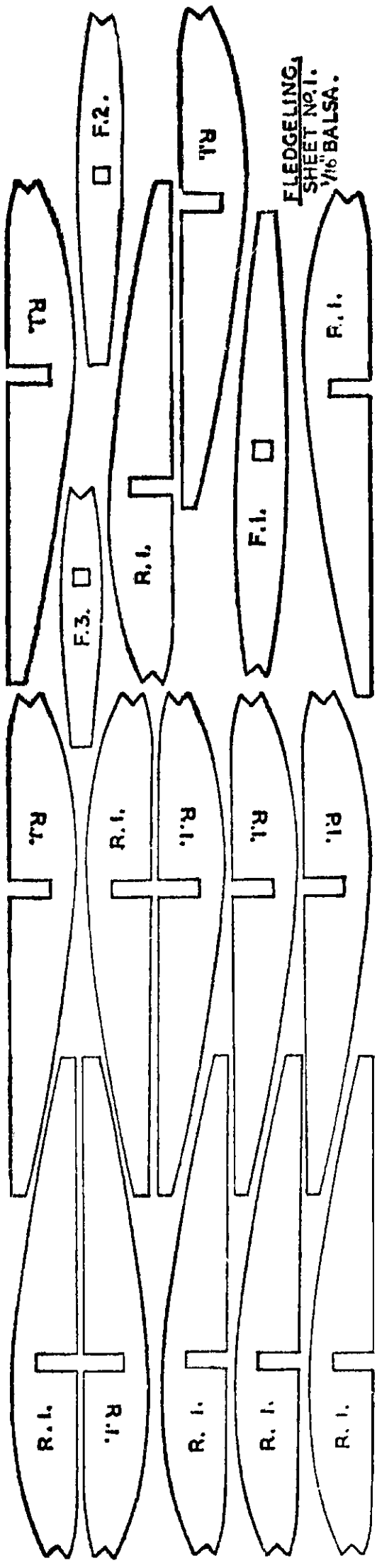
UNDERCARRIAGE UNDERCARRIAGE MADE OF 18 S.W.G. WIRE PROVIDED; BENT TO SHAPES SHOWN FOR FITTING IN TWO HALVES WITH RUBBER BANDS FOR JOINING WIRE. WRAP WITH FUSEWIRE AND SOLDER. COVERING. USE LIGHTWEIGHT TISSUE PROVIDED. CUT INTO STRIPS ABOUT 2" WIDER THAN INDIVIDUAL PARTS. USE PHOTOPASTE AS ADHESIVE. COVER ALL PARTS WITH EVEN TENSION CHECKING THERE ARE NO WARPS GIVE ONE LIGHT SPRAYING WITH WATER & WHEN PERFECTLY DRY GIVE ALL FLYING SURFACES ONE COAT THIN DOBE. FUSELAGE TWO COATS. POWER IS EITHER 4 STRANDS (2 COPS OF 2) RUBBER (OR 8 STRANDS (4 LOOPS) OF 1/8" x 1/32") IN EACH CASE 20" LONG. LUBRICATE WELL. FLIGHT TRIM. TEST GLIDE COMPLETE MODEL THOROUGHLY BEFORE WINDING. MODEL SHOULD BALANCE SLIGHTLY NOSE DOWN AT C.G. POINT (1/2" FROM T/EDGE). NO INCIDENCE DOBE IS NECESSARY TO ADJUST FOR FIT. ADD DOWN OR SIDE THRUST PACKING IN NOSE BLOCK ONLY. WITHOUT ALTERING GLIDE SETTING. ALL FLYING SURFACES ARE SECURED BY RUBBER BANDS ONLY.



WING TIP DIHEDRAL IS 2" AT EACH WING TIP. STABILIZER IS BUILT IN ONE PIECE OVER PLAN. LEADING EDGE IS 1/8" x 1/8" SQ. BALSA.



BUILD LEFT WING PANEL SEPARATELY BUTT JOINTS BUILT RIGHT WING PANEL SEPARATELY.



FLEDGELING,
SHEET No. 1.
1/16" Balsa.

FLEDGELING.
SHEET N°2.
1/8" Balsa.

