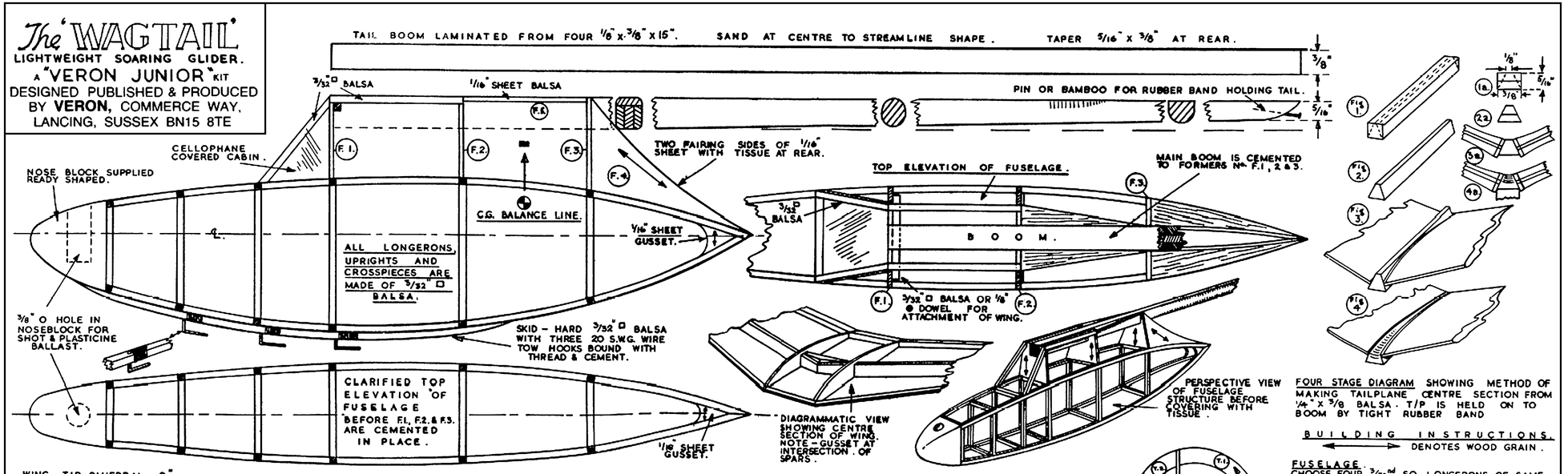
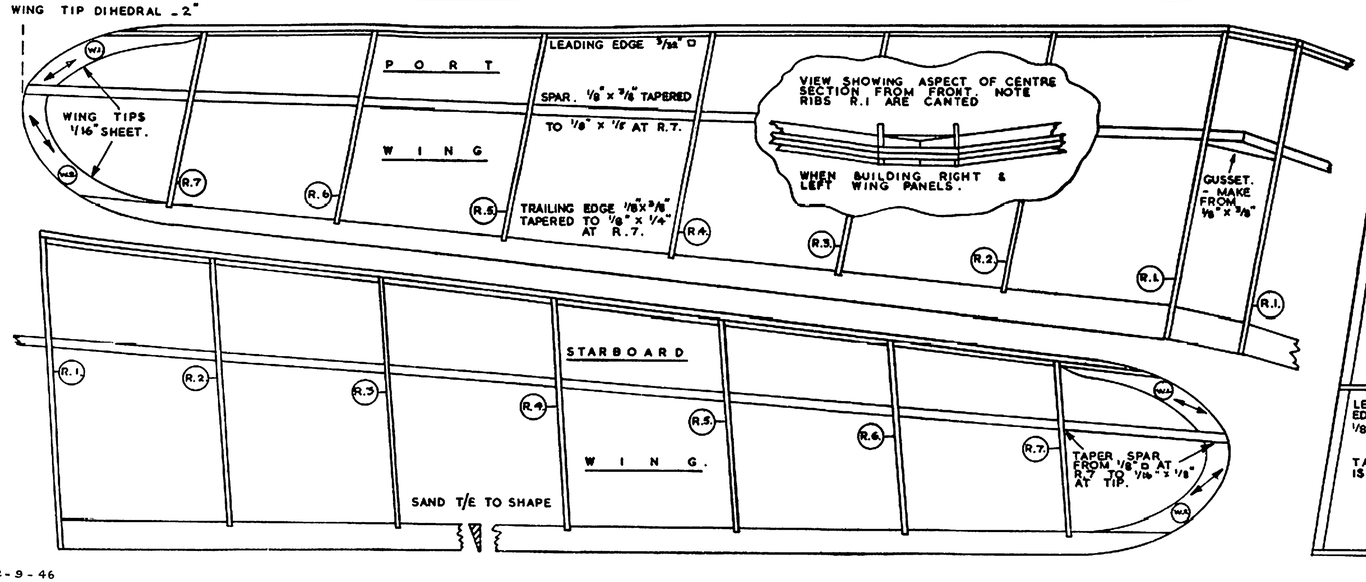
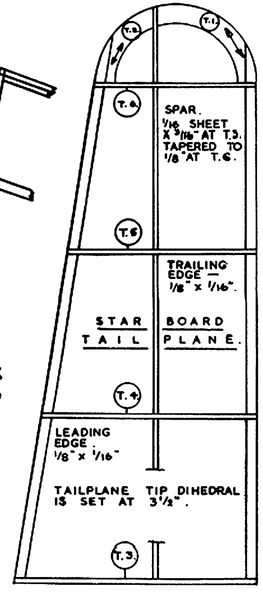
The 'WAGTAIL'

LIGHTWEIGHT SOARING GLIDER.
A "VERON JUNIOR" KIT
DESIGNED PUBLISHED & PRODUCED
BY **VERON**, COMMERCE WAY,
LANCING, SUSSEX BN15 8TE







FOUR STAGE DIAGRAM SHOWING METHOD OF MAKING TAILPLANE CENTRE SECTION FROM 1/8" x 3/8" BALSA. T/P IS HELD ON TO BOOM BY TIGHT RUBBER BAND

BUILDING INSTRUCTIONS.

⟷ DENOTES WOOD GRAIN.

FUSELAGE.
CHOOSE FOUR 3/32nd SQ. LONGERONS OF SAME QUALITY BALSA. STEAM TO APPROX. SHAPE BEFORE PINNING TO PLAN OVER WAXED TISSUE. MAKE TWO SIDES FIRST. DOUBLE COAT ALL JOINTS WITH CEMENT, CUTTING ALL UPRIGHTS IN PAIRS. CUT ALL CROSS STRUTS IN PAIRS & JOIN TWO SIDES AT CENTRE, WORKING TO FRONT. STEAM LONGERONS BEFORE PULLING IN AT REAR. CEMENT IN PLACE FORMERS F.1, 2, 3 & 4, WITH 3/32 □ & 1/16" SHEET WING PLATFORM PIECES. MAKE BOOM OF FOUR LENGTHS 3/8" x 1/8" LAMINATED AS IN CUT AWAY DIAGRAM, TAPERING TO REAR, FROM FORMER F.3. CEMENT FIRMLY IN PLACE. FIT NOSE BLOCK (WITH DRILLED HOLE FOR BALLAST) AND SAND TO SHAPE. FIT CABIN STRUTS & CELLOPHANE. COVER F/U WITH TISSUE, WATER SHRINK & DOPE. BIND 20 S.W.G HOOKS TO 3/32nd SQ. BALSA, STEAM BEND & CEMENT IN PLACE FOR SKID. CEMENT DOWEL IN POSITION FOR WING ATTACHMENT.

WINGS.
TAPER SPARS AS ON PLAN. PIN IN PLACE, LOCATE & CEMENT ALL RIBS. CANT SLIGHTLY RIBS R.1. FOR DIHEDRAL. SLOT RIBS INTO TAPERED TRAILING EDGE TO 1/16th DEPTH. ATTACH LEADING EDGE & TIPS. SET TIPS AT 2" DIHEDRAL & JOIN SPARS WITH GUSSET AFTER TRIMMING TO FLAT UNDERSIDE. BUTT JOINT FIRMLY LEADING & TRAILING EDGE PIECES AT CENTRE SECTION.

STABILIZER.
THIS IS A VEE-TAIL TYPE. NO FIN. CONSTRUCT THIS SIMILAR PROCEDURE TO 1/4" WINGS. CENTRE SECTION IS MADE FROM 1/4" x 3/4" x 3" OR TWO 1/8" x 3/8" x 3" LAMINATED. SHAPE TO DIMENSIONS AS SHOWN IN DIAGRAM. REVERSE PLAN TO BUILD PORT SIDE. WHEN TWO SIDES ARE COVERED, CEMENT FIRMLY IN PLACE. ANGLE OF CENTRE SECTION SHOULD GIVE CORRECT DIHEDRAL OF 3 1/2 EACH HALF. IF NOT, SAND TO ADJUST BEFORE CEMENTING.

COVER ALL PARTS ONE LAYER OF TISSUE WATER SHRINK & ONE COAT OF THIN DOPE. ADD BALLAST TO NOSE TILL MODEL IS BALANCED ON INDICATED C.G. POINT. SATISFY YOURSELF THAT THE GLIDE IS GOOD BEFORE ATTEMPTING TO USE TOW-LINE.

2-9-46

