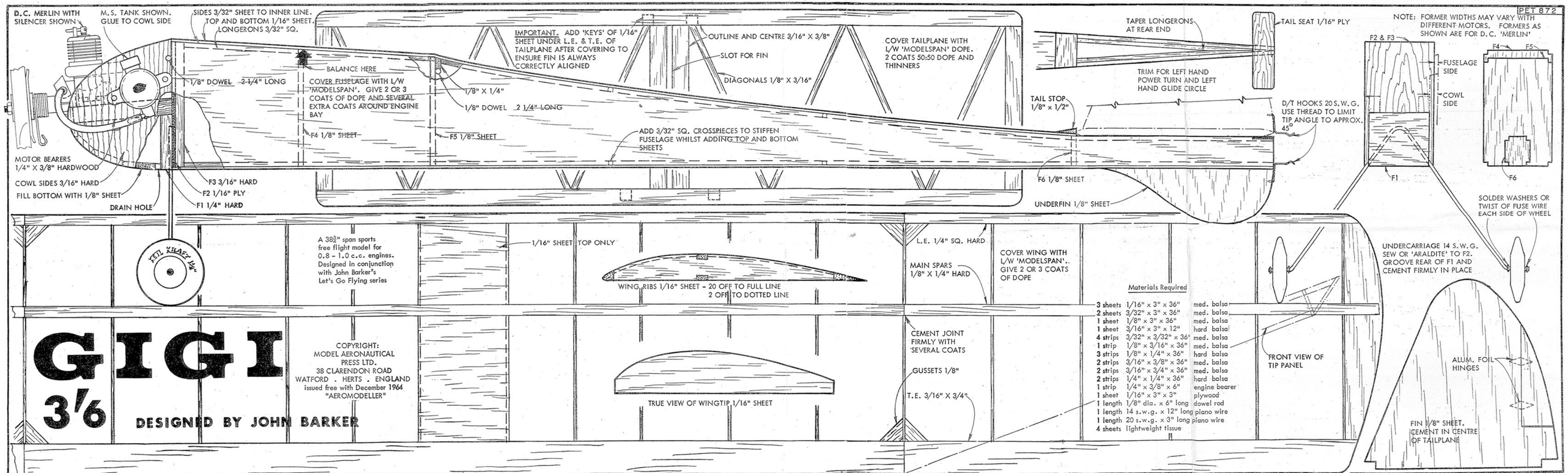
D.C. MERLIN WITH SILENCER SHOWN
M.S. TANK SHOWN. GLUE TO COWL SIDE
SIDES 3/32" SHEET TO INNER LINE. TOP AND BOTTOM 1/16" SHEET. LONGERONS 3/32" SQ.
1/8" DOWEL 2 1/4" LONG
BALANCE HERE
COVER FUSELAGE WITH L/W 'MODELSPAN'. GIVE 2 OR 3 COATS OF DOPE AND SEVERAL EXTRA COATS AROUND ENGINE BAY
F4 1/8" SHEET
F5 1/8" SHEET
1/8" X 1/4"
1/8" DOWEL 2 1/4" LONG
IMPORTANT. ADD 'KEYS' OF 1/16" SHEET UNDER L.E. & T.E. OF TAILPLANE AFTER COVERING TO ENSURE FIN IS ALWAYS CORRECTLY ALIGNED
OUTLINE AND CENTRE 3/16" X 3/8"
SLOT FOR FIN
DIAGONALS 1/8" X 3/16"
COVER TAILPLANE WITH L/W 'MODELSPAN' DOPE. 2 COATS 50:50 DOPE AND THINNERS
ADD 3/32" SQ. CROSSPIECES TO STIFFEN FUSELAGE WHILST ADDING TOP AND BOTTOM SHEETS
MOTOR BEARERS 1/4" X 3/8" HARDWOOD
COWL SIDES 3/16" HARD
FILL BOTTOM WITH 1/8" SHEET
DRAIN HOLE
F3 3/16" HARD
F2 1/16" PLY
F1 1/4" HARD
TAPER LONGERONS AT REAR END
TAIL SEAT 1/16" PLY
TRIM FOR LEFT HAND POWER TURN AND LEFT HAND GLIDE CIRCLE
TAIL STOP 1/8" x 1/2"
D/T HOOKS 20 S.W.G. USE THREAD TO LIMIT TIP ANGLE TO APPROX. 45°
F6 1/8" SHEET
UNDERFIN 1/8" SHEET
NOTE: FORMER WIDTHS MAY VARY WITH DIFFERENT MOTORS. FORMERS AS SHOWN ARE FOR D.C. 'MERLIN'
F2 & F3
F4
F5
FUSELAGE SIDE
COWL SIDE
F1
F6
SOLDER WASHERS OR TWIST OF FUSE WIRE EACH SIDE OF WHEEL
UNDERCARRIAGE 14 S.W.G. SEW OR 'ARALDITE' TO F2. GROOVE REAR OF F1 AND CEMENT FIRMLY IN PLACE
ALUM. FOIL HINGES
FIN 1/8" SHEET. CEMENT IN CENTRE OF TAILPLANE
FRONT VIEW OF TIP PANEL
A 38 3/4" span sports free flight model for 0.8 - 1.0 c.c. engines. Designed in conjunction with John Barker's Let's Go Flying series
1/16" SHEET TOP ONLY
WING RIBS 1/16" SHEET - 20 OFF TO FULL LINE 2 OFF TO DOTTED LINE
TRUE VIEW OF WINGTIP 1/16" SHEET
L.E. 1/4" SQ. HARD
MAIN SPARS 1/8" X 1/4" HARD
COVER WING WITH L/W 'MODELSPAN'.. GIVE 2 OR 3 COATS OF DOPE
CEMENT JOINT FIRMLY WITH SEVERAL COATS
GUSSETS 1/8"
T.E. 3/16" X 3/4"
Materials Required
3 sheets 1/16" x 3" x 36" med. balsa
2 sheets 3/32" x 3" x 36" med. balsa
1 sheet 1/8" x 3" x 36" med. balsa
1 sheet 3/16" x 3" x 12" hard balsa
4 strips 3/32" x 3/32" x 36" med. balsa
1 strip 1/8" x 3/16" x 36" med. balsa
3 strips 1/8" x 1/4" x 36" hard balsa
2 strips 3/16" x 3/8" x 36" med. balsa
2 strips 3/16" x 3/4" x 36" med. balsa
2 strips 1/4" x 1/4" x 36" hard balsa
1 strip 1/4" x 3/8" x 6" engine bearer
1 sheet 1/16" x 3" x 3" plywood
1 length 1/8" dia. x 6" long dowel rod
1 length 14 s.w.g. x 12" long piano wire
1 length 20 s.w.g. x 3" long piano wire
4 sheets lightweight tissue
GIGI
3/6
DESIGNED BY JOHN BARKER
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