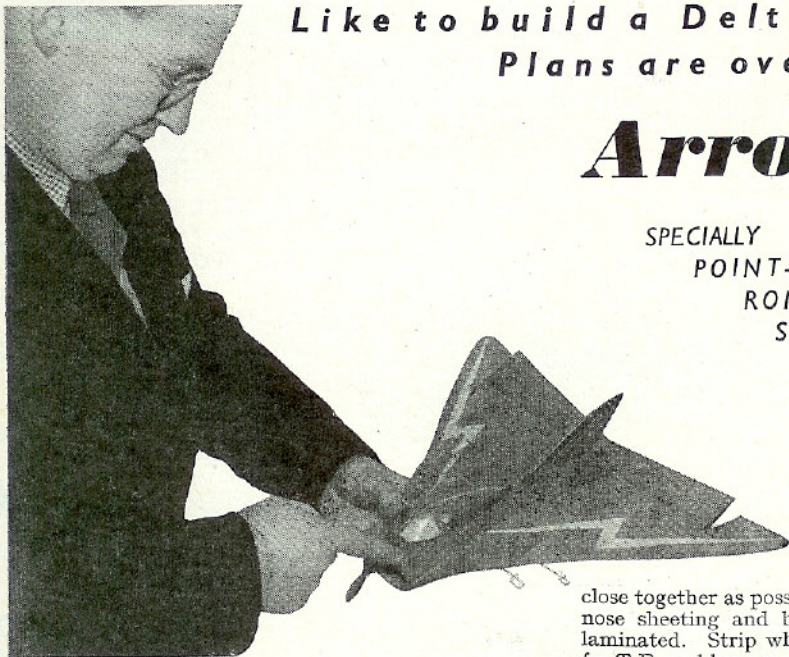


Like to build a Delta? — full-size
Plans are overleaf for the

Arrowhead

SPECIALLY DESIGNED FOR THE
POINT-FIVE DIESELS BY
RON MOULTON AND
STUNT FLIGHT TESTED
WITH THE ALLBON
DART. CAN BE
BUILT FROM
ONE SHEET
1/16 BALSA
PRICE
1/2d.



HAVE you a point-five diesel, a spare tank, a few odd lengths of wire, scrap balsa, dowel and ply? Then all you'll need to make this stuntable little delta is just one sheet of $\frac{1}{16} \times 4 \times 36$ ins. medium balsa and 5 ins. of engine bearer—it's as simple and inexpensive as that! Flight tested on 22-ft. lines with both the ED-46 and Allbon Dart, Arrowhead is fast, manoeuvrable, and very pleasing to the eye. It's just the model for flying in a restricted space—and the noise quotient of its baby motor should bring no objection to use of the village green or nearby school playground.

Ready to start? Well, if you have $\frac{1}{16} \times 4$ ins. sheet: carbon trace the eight ribs, leading edges and fin as

close together as possible and leave one end free for the nose sheeting and bulkheads—the front one can be laminated. Strip whatever is left into $\frac{1}{4}$ in. and $\frac{1}{2}$ in. for T.E. and braces. Pin centre ribs over the plan, join up with the bulkhead/bearer assembly, and two 12-in. lengths of odd T.E. Lift off plan and add platform with bellcrank, $\frac{1}{8} \times \frac{1}{8}$ in. brace, tank and engine, then nose sheeting. Working "in the hand", add the end ribs, then leading edges and tip T.E.'s, two other ribs and root riblets. Elevator is built over plan, with odd L.E. stock as a basis. Ends are dowelled to pivot loosely in ply facings. Join up pushrod, cut and "patch" L.E. for lead-out wires, add paper tube for compression screw extension, then fit the fin and under-trough with $\frac{1}{4}$ -in. covering support strips on either side. A half-ounce tip weight is bound in the starboard tip, then cover with Modelspan, fit a bubble hood—and fly!

ARROWHEAD

MERCURY BELLCRANK.
(CUT-DOWN)

1/8"
PLATFO

1/16" x 1/4" TISSUE SUPPORTS.
(UPPER) (LOWER)

FIN SLOT

1/8" SQ. BRACE.
(TOP ONLY.)

PORT RIB O

1/16" T.E.

CUT L.E. & PATCH TOP &
BOTTOM FOR LEAD
OUTS. (PORT SIDE)

5/16" SQ. L.E.

12" x 1/16" x 1/2" T.E.

EXPLODED VIEW

1/16" L.E.

1/8" DOWEL

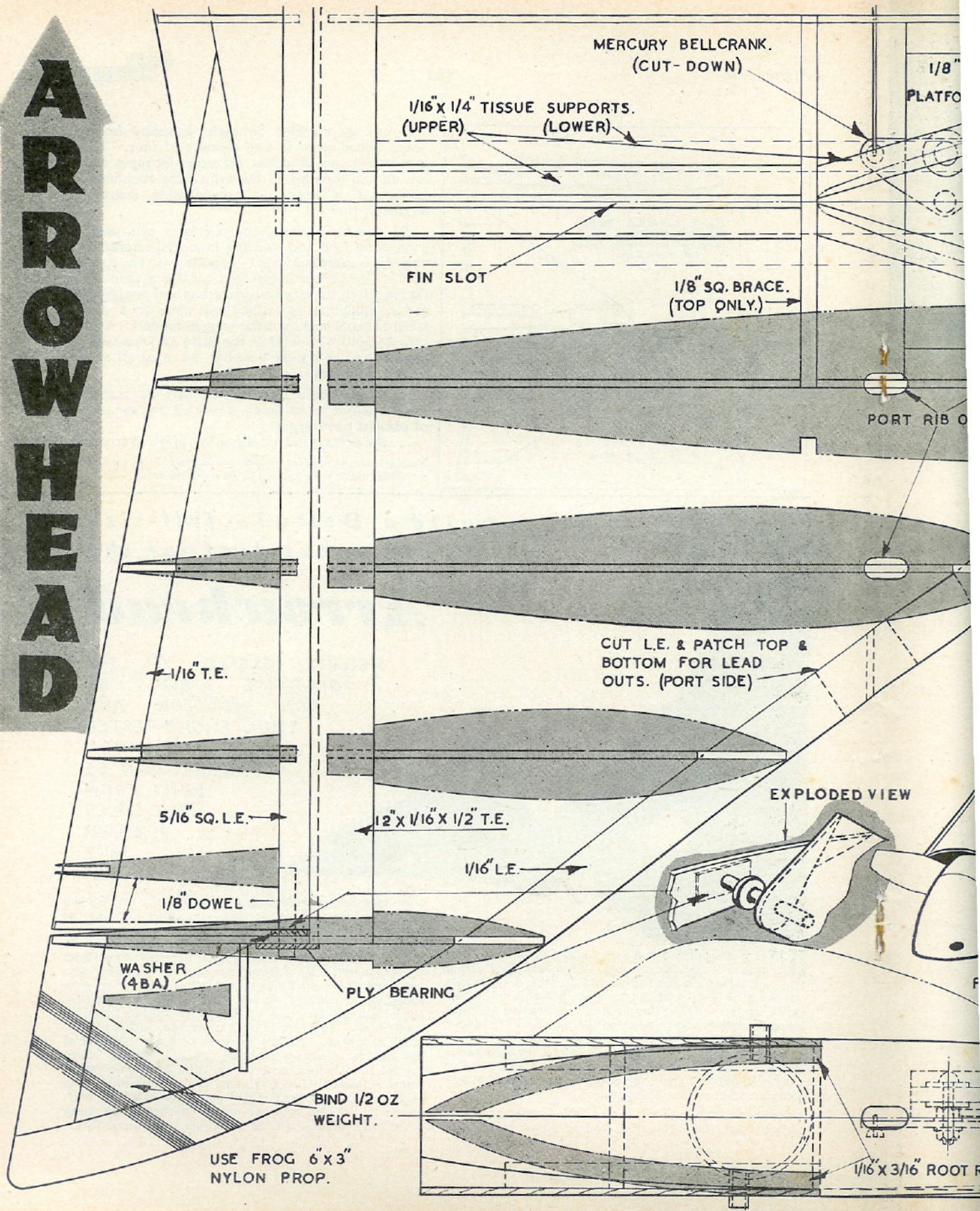
WASHER
(4BA)

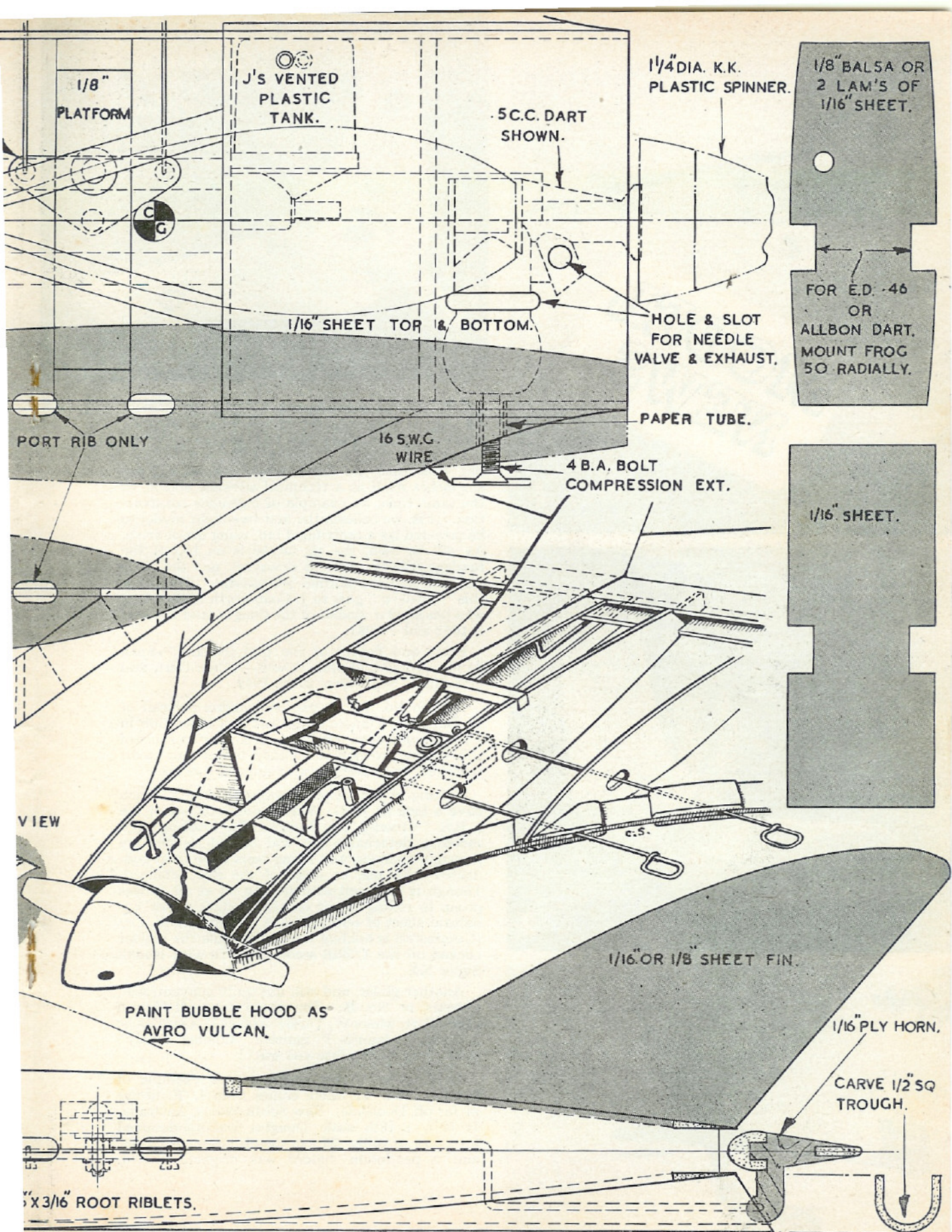
PLY BEARING

BIND 1/2 OZ
WEIGHT.

USE FROG 6" x 3"
NYLON PROP.

1/16" x 3/16" ROOT R





1/8" PLATFORM

J'S VENTED PLASTIC TANK.

5 C.C. DART SHOWN.

1/4" DIA. K.K. PLASTIC SPINNER.

1/8" BALSA OR 2 LAM'S OF 1/16" SHEET.

1/16" SHEET TOP & BOTTOM.

HOLE & SLOT FOR NEEDLE VALVE & EXHAUST.

FOR E.D. -46 OR ALLBON DART. MOUNT FROG 50 RADIALLY.

PORT RIB ONLY

16 S.W.G. WIRE

PAPER TUBE.

4 B.A. BOLT COMPRESSION EXT.

1/16" SHEET.

VIEW

1/16" OR 1/8" SHEET FIN.

PAINT BUBBLE HOOD AS AVRO VULCAN.

1/16" PLY HORN.

CARVE 1/2" SQ TROUGH.

3/16" ROOT RIBLETS.