

Handley Page H.P.115

by **Doug McHard**

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HERE is a simple little profile model, for the Jetex 35 or 50, of Britain's latest research plane that you can put together in less than an hour. All you need is a piece of softish 1/16 x 3 in. sheet balsa, about 16 in. long, for the wing, a piece of 1/8 in. sheet balsa, big enough for the fuselage, a 12 in. piece of 22 S.W.G. piano wire for the undercarriage and a small tube of cement.

Handley Page H.P.115The fuselage is cut out first and notice the way the grain runs on the fin which, of course, must be made separately. After cutting out the wing parts and cementing them edge to edge, mark the centre line on piece "D", and cement the fuselage and fin to the wing. Make sure that everything is "square" and not leaning over to one side.

Now fit the engine mount plates and the downthrust wedge, which is shaped from a spare piece of 1/8 in. sheet and is very important. Don't forget to cover the area around the motor with asbestos paper, to protect the model from the heat.

The undercarriage is cemented to the underside of the wing and the joint may be strengthened by cementing strips of tissue over the wire. Make the wheels by cutting out discs of 1/8 in. balsa and cementing tiny pieces of celluloid or acetate to each side, afterwards piercing a hole exactly through the centre.

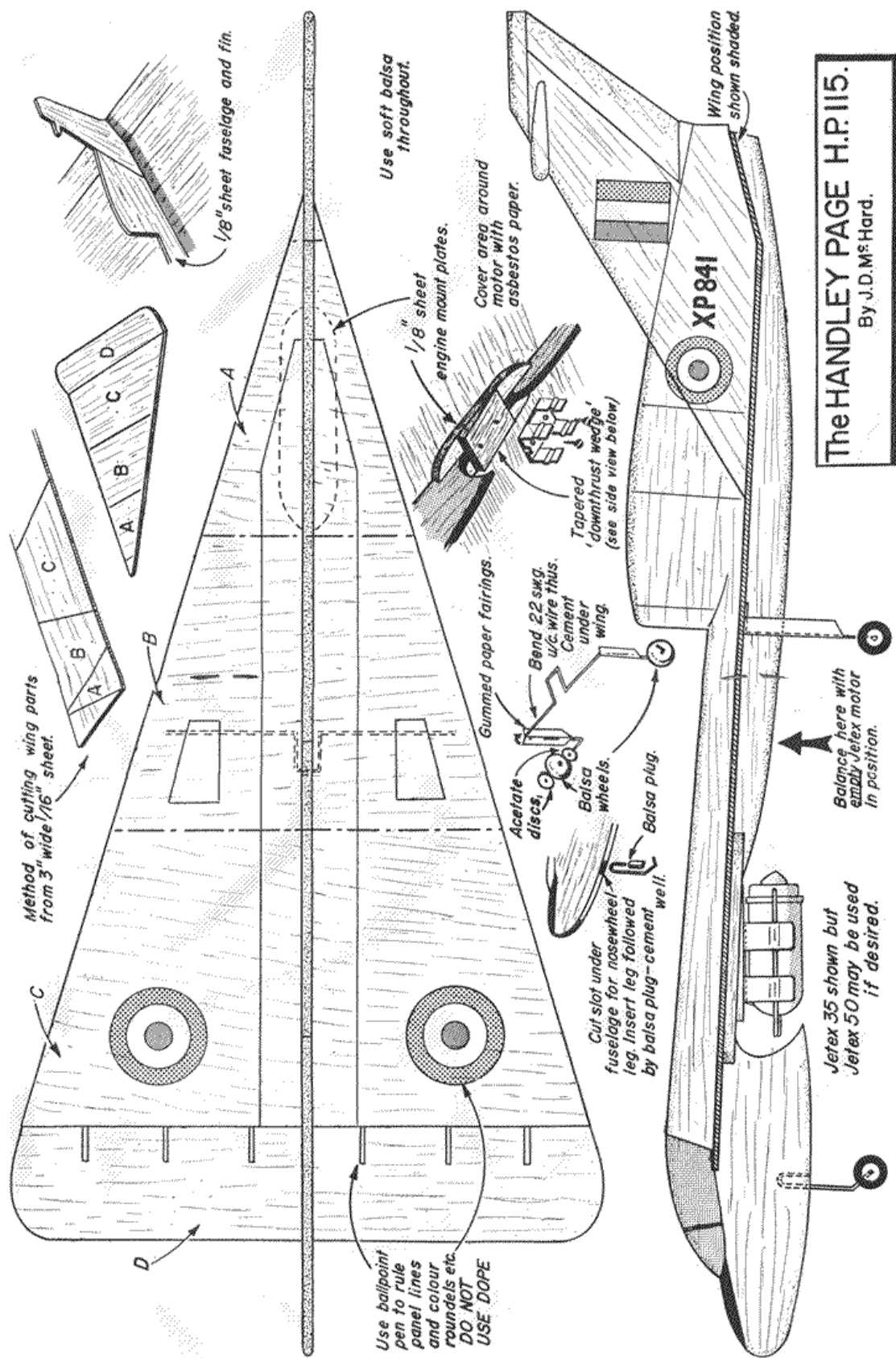
With the empty motor in position, support the model at the point shown, when it should balance horizontally, add small weights if necessary to achieve this.

If the correctly balanced model stalls under power add more downthrust and if it will not climb—remove some of the downthrust. The H.P.115 can, of course, be used without the motor as a catapult glider, but don't forget to balance it first!

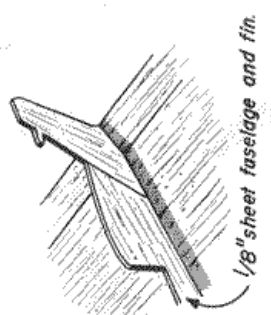
Plan for the Handley Page H.P.115

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Method of cutting wing parts from 3" wide 1/16" sheet.



1/8" sheet fuselage and fin.

Use ballpoint pen to rule panel lines and colour roundels etc. DO NOT USE DOPE

Use soft balsa throughout.

1/8" sheet engine mount plates.

Gummed paper fairings.

Bend 22 swg. w.c. wire thus. Cement under wing.

Acetate discs.

Balsa wheels.

Balsa plug.

Cut slot under fuselage for nosewheel leg. Insert leg followed by balsa plug - cement well.

Cover area around motor with asbestos paper.

Tapered 'downthrust wedge' (see side view below)

XP841

Wing position shown shaded.

Jetex 35 shown but Jetex 50 may be used if desired.

Balance here with empty Jetex motor in position.

The HANDLEY PAGE H.P. 115.
By J.D.M. Hard.