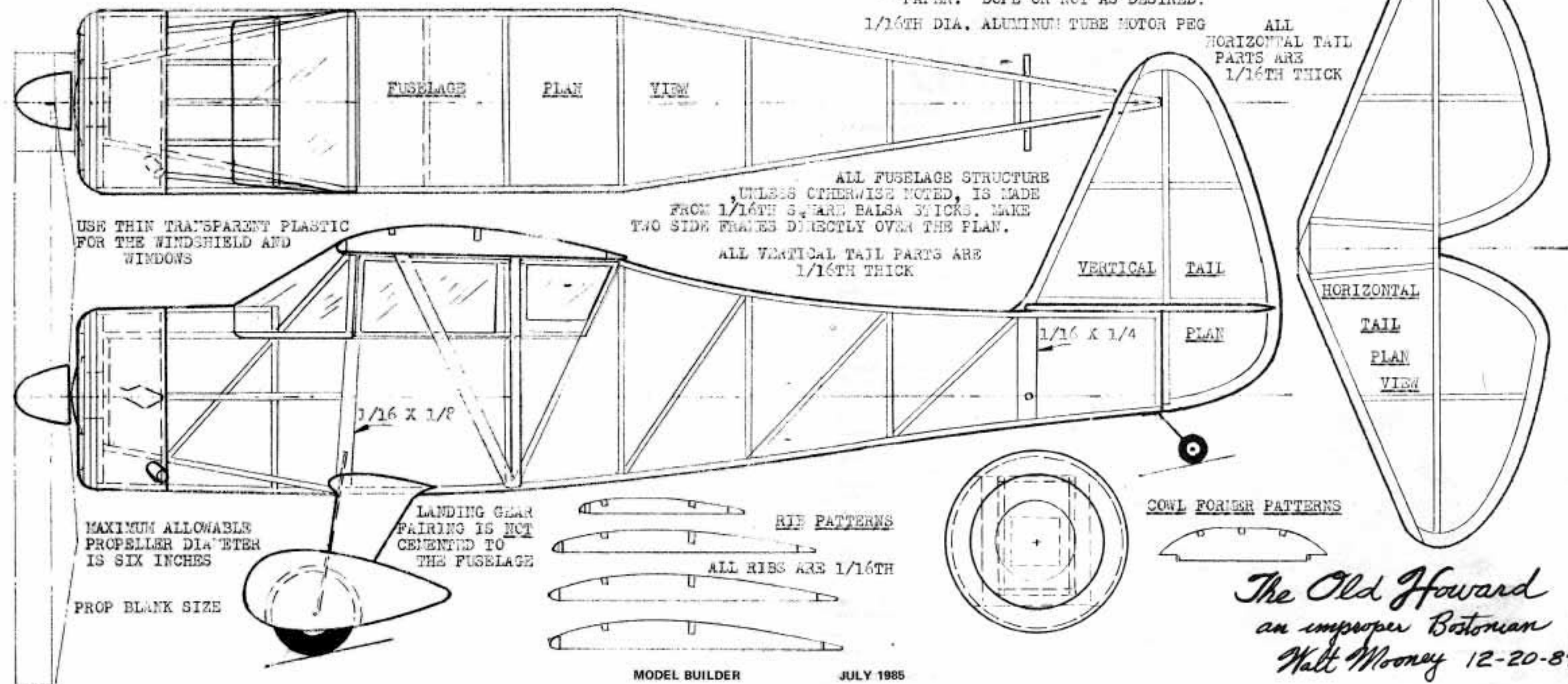


ALL CUT-OUT SHEET PARTS ARE MADE FROM ONE OR MORE LAYERS OF 1/16TH THICK Balsa.

COVER WITH LIGHTWEIGHT TISSUE OR CONDENSER PAPER. DOPE OR NOT AS DESIRED.

1/16TH DIA. ALUMINUM TUBE MOTOR PEG
 ALL HORIZONTAL TAIL PARTS ARE 1/16TH THICK



The OLD HOWARD

By WALT MOONEY . . . One of the closest to scale Bostonians we have seen, and it flies extremely well to boot! To keep in touch with MB's usual centerspread topic, we'll say this Bostonian can be built for Peanuts!

• R.O.G. it! R.O.G. it! R.O.G. it! Roughly translated from Modelese shouts, "Take it off! Take it off! Take it off!" which is what they used to shout from the balcony of the "Old Howard" Burlesque theatre on Scully Square in Boston in the late forties when I was attending M.I.T., trying to learn how to be an Aeronautical Engineer. I never actually went to the "Old Howard" . . . too chicken . . . but I heard about it. Anyway it was the inspiration for the name of this Bostonian designed to the Western 14 gram rules and based on the configuration of Mr. Ben Howard's DGA-15 aircraft.

The model is a great flyer and you can "take it off" easily from any flat smooth surface. Construction follows generally

standard methods for free flight rubber powered scale or semi-scale models.

All the wood parts for this model can be cut from a single sheet of 1/16 sheet balsa. If you have one of Jim Jones' "ABS" balsa strippers it can be built for a very modest cost for balsa wood. I can't say enough good things about this stripper. (Come to think of it, writing about a stripper and the Old Howard in the same article is somewhat appropriate.) as it does a truly superb job. It will allow you to make accurate balsa strips and they will be far cheaper than buying them already cut. For instance, around here, 1/16 squares cost 12¢ each and you can strip 48 of them from a 3-inch wide sheet that costs 89¢. You can save about \$5.00 stripping a sin-

gle sheet. Jim sells the Strippers for \$18.50 with an additional charge of \$2.00 for postage. I recommend it. If you are seriously into modeling, order one from Jim Jones, 36631 Ledgestone Dr., Mt. Clemens, MI 48043.

The flying surface outlines are shown cut from sheet balsa. They can also be laminated from 1/16 by 1/32 sticks using four laminations for the aft edges of the wing and three laminations for the outlines of the tail surfaces. The wing leading edge is 1/8 square made up of two laminations of 1/16 by 1/8.

The plans are pretty well self-explanatory. Use one of the Williams Brothers thrust bearings that has a one-half-inch square base so that there is plenty of room to allow inserting the rubber motor and stretch-winding for maximum duration.

I carved a balsa propeller for this one for the first time in many moons, and remembered why I like plastic props when I broke first one and then the other blade when the model hit the gymnasium wall during test flights. I would recommend that seven-inch diameter Peck-Polymers propeller, cut down to the maximum allowable six-inch diameter, be used.

Wing dihedral is 3/4-of-an-inch under each wing tip. The model flies very nicely when the balance point is located so the model balances exactly level when held at the extreme tips of the wing.

The landing gear leg fairing is not cemented to the fuselage. It simply lays



One of the most scale-like Bostonians we've seen in some time, and as an extra bonus, it's also a fine flier.

*The Old Howard
 an improper Bostonian
 Walt Mooney 12-20-85*