

Roundair

11:36½ A.M.—SUNDAY EDITION

Hot Off Jay Buxton's Haywires

While a new owner has been busy repairing "Transporter," Jay Buxton has been working on drawings and a mock up of an improved version which he calls "Roundair." Jay claims the new ship will get around places, and really travel in the air when thermals are encountered.

The characteristic high taper and wing plan are retained with the ailerons extended to over half a panel length. Large spoilers take most of the space between the ailerons and the wing root, and on the underside of the wing. The nose is plywood back to the single spar which has a generous diagonal drag trace at the root. A 15% airfoil at the root of a wing with such generous chord, results in ample spar depth, so heavy fittings are not necessary for the full cantilever wing which is stressed for 10 g's.

Next noticeable is the Stanley V tail or so called "rudervators," that were a characteristic of the "Nomad." If Vic Saudek ever finishes the "Voyager," this will make two more ships with V tails.

The fuselage is arranged for side by side seating, with

a generous baggage space behind the seats, as well as the barograph compartment. Side by side gives as good visibility as can be had, is best for observing flight reactions of students, and which requiring but one set of instruments also has the advantage that student and instructor are reacting to the same set of instruments. Side by side cockpits are more accessible than either high or low wing tandem seaters. The landing wheel is an 8 by 18 air-wheel, and will gladly be increased indefinitely on orders, in other words, landing wheels can't be too big.

The general specifications calls for a span of 50 feet and an area of 225 square feet, with the wings set at 3° dihedral and 4° incidence at root and 2° at the tip. The airfoil 4415 N. A. C. A. at the root decreases at about 5 feet outboard to 4412 for the rest of the wing. Aspect ratio is 11.1. Wing fittings, etc. have been thoughtfully designed for ease of assembly and trailer loading.

The length over all is 27' 3". height 57 inches, gross weight 850 pounds. Best gliding speed is estimated at 45 M.P.H. Stalling speed 30 M.P.H. Sinking speed 25 F.P.S. Designed high speed 110 M.P.H.

