

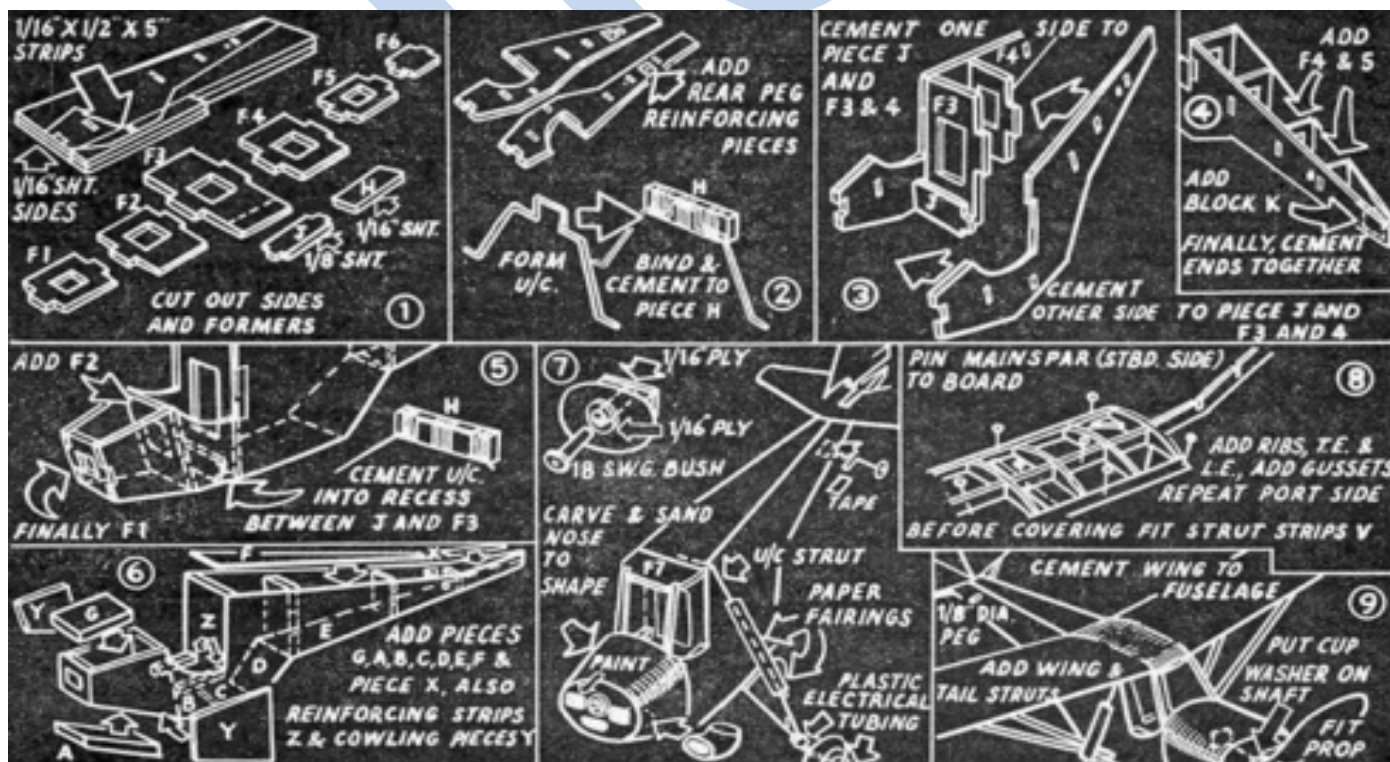
Hollandair Libel



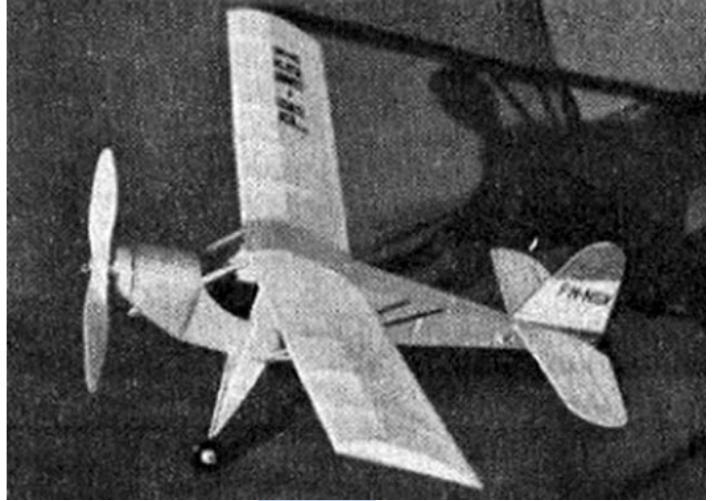
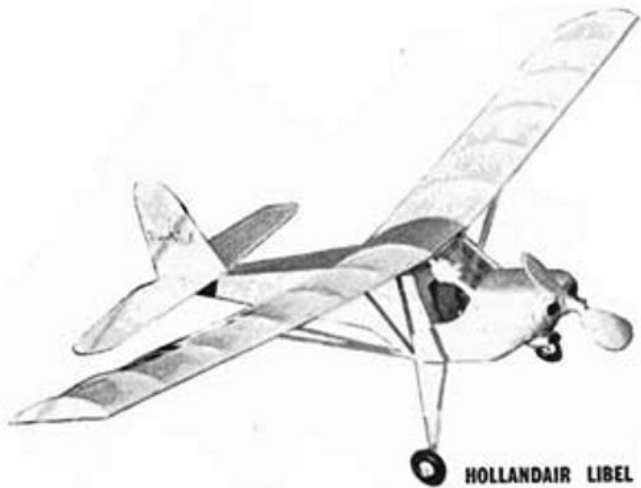
Full size plans of a free flight scale Quickie by Ray Malmstrom.

From the land of windmills comes the Hollandair Libel, a small agricultural aircraft that proved just perfect for a rubber powered scale model. Our miniature Hollandair Libel needed only slight modifications from true scale to produce a simple to build, rugged, flyable little job with that "real thing" look.

Follow the sketches below for easy building sequence. Check, when cementing piece J, and formers 3 and 4 to first fuselage side, that the formers arc at right angles. Hold the fuselage sides to the formers with pins until they are dry. Keep checking for correct alignment. Add formers 5 and 6 before cementing ends together. Cement undercarriage unit firmly in position shown. Round-off all fuselage edges. If putting in a pilot do so before covering cabin with cellophane. Incidentally, you can paint him very effectively with poster colours. Give fuselage one coat clear dope. Sandpaper lightly. Finish with one coat silver. Small pieces of plastic electrical tubing (with wire removed) are used to hold undercarriage struts together. Clear dope tailplane with one coat. Pin down while drying to avoid warping.



Hollandair Libel



It would be hard to better the "Libel's" layout for a simple rubber job and it has the added advantage that it is simple and quick to build.

Build wing by pinning one side of mainspar to board, add ribs, trailing edge and leading edge. Repeat for other side. Add center section trailing and leading edge pieces and gussets, and strut strips "V." Cover with white, lightweight, tissue.

Water shrink and clear dope one thin coat. Pin to board while drying (using small pieces of balsawood under leading and trailing edges to keep doped underside from sticking to board). Warps **MUST** be avoided. When assembling wing to fuselage check for equal dihedral under each wing tip.

Flying notes:

Check model balances at point shown. You may need small weight at nose or tail. Original Hollandair balanced without. Choose a calm day and long grass for gliding tests. Launch gently, facing any breeze, with nose pointing slightly **DOWN**. Do not push or throw. If model stalls add small amount to nose- weight. If it dives, bend trailing edges of tailplane **UP** about 1/16 in. Get glide straight. If model banks to left bend fin trim tab about in. to right, and vice versa (model viewed from rear).

For first power flights add a piece of in. sheet to the left side of Fi (viewed from rear). This off-thrust counteracts torque as you increase number of turns with each flight to around 450. A drop of oil on the prop shaft makes for smooth running.

This little job will make even the power boys stop flicking and look-up !

Model Aircraft Magazine May 1959