

Bill Carney's Pop-Up Wing DT

By George White

At this year's Turkey meet, Bill Carney showed up with an unusual Embryo. One of the interesting features of the model is his layout for a pop-up-wing-DT. As the photos below illustrate, the hold-down mechanism is a line running from the button timer to a wire loop at the nose, then back to another loop at the bottom longeron immediately under the LE of the wing, then up through another wire loop on top of the wing and then down the other side and fixed to the fuselage. Two hooks on top of the wing at the TE hold a rubber band which secures the wing to the fuselage. The line from the button timer to the forward wire loop has a large knot, which when the timer releases the line, the knot will stop the line from releasing further when the knot strikes the wire loop at front, thus limiting the degree of pop-up.

One added feature which is especially interesting is the zig-zag portion of the wires he glues to the wing, giving good adhesion for the glue.

Plans for Bill's model are posted on the Hip Pocket Aeronautics plan forum.

