

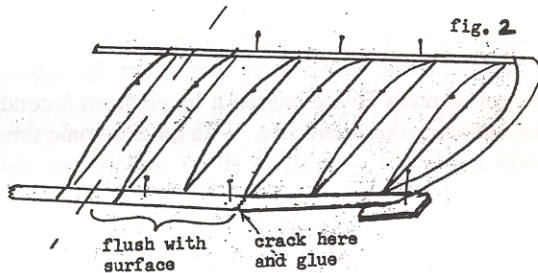
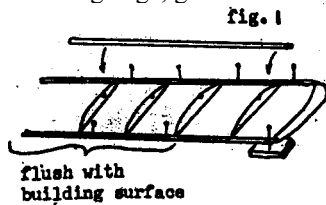
WASHOUT !!!

by Vance Gilbert

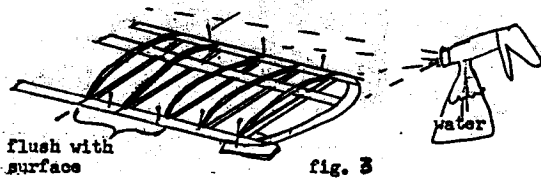
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No, it's not something you holler when your ship begins a death spiral back into the parking area after a bad launch. It's a bending up of the trailing edge of a wing out near its tip so it ain't liftin' when the rest of the wing is. "What for?", you ask. Well, when the rest of the wing stalls, as all wings are want to do at some point on most flights, guess which area ain't stalled? You got it, Chauncey, that little washed out area is what's keeping your little pride and joy nice and stable. I put washout into everything I fly. You can even get away with a closer-to-scale stab, if it's a tad on the smallish side, when washout is happenin'.

My rule of thumb is to add $1/16"$ of washout to each wingtip per 16 Inches of span. You can build it into the wing, notching ribs and adding the spar afterwards, as in fig. 1, or you can add it to a wing after it has been constructed, as in fig. 2. The latter method, is the one used by Dave Stott. I call it the "build, crack, and cover" approach. Dave builds the wing straight up first, then he cracks the trailing edge, glues the cracked area firm and, viola, washout.



The only real problems present themselves to those balsa bashers who do the cracked rib or sliced rib thing with their wings. It just ain't that easy to glue all of those little sticks to a trailing edge when it's hanging a sixteenth or more in the air. Also, you've got a pretty stationary spar to wrestle with. So, just build the wing, pin it down with the tip blocked up as shown in fig. 3, and spray it over the next three days or so with water if you built it with white or aliphatic glue. If you've used Duco type cements or Cyano glue, spray with acetone. Yeah, we're essentially warpin' the wing into the shape we want. It'll hold, too. All wing building systems will respond over time.



Any washout method you choose to use will require that you pin down the wing after covering and doping while everything shrinks and tightens up. Believe me, we're talking "flying on rails" for any ship that's got washout goin' on. Now, when you holler "Washout", on the field, it will be at your timer because you're workin' on a max flight.