

BY PAUL DEL GATTO


Lady Luck

► Like many an ardent control-line enthusiast we sometimes get bitten by the bug to do something just a little more than slapping a profile model together for some Sunday-flying-fun, and get the urge to go off on the deep end. The Lady Luck, shown here, is the long drawn-out result of two years of development in airfoils, structural design and proportional development.

Outwardly, the model's appearance is not unlike many other stunt models, except perhaps for the high-slung tail surfaces. The airfoil is an N.A.C.A. development which heretofore we have not seen used, though that in itself is not the whole measure of the model's success. The wing construction departs from the traditional top and bottom main spar with sheet and capstripping. . . . Instead, a stepped sheet spar is used.

Note, also, that the wing section and the trailing edge are not of constant thickness, for it is tapered out to the wingtip. This to our way of thinking, closely approximates an aerodynamically perfect wing; from the viewpoint of efficiency.

Many experienced stunt fliers are cognizant of the fact that the efficiency of tail surfaces are minimized when placed in the wake of the turbulent flow of air from the wing. However, to mount the stab in a more desirable position often introduces structural design problems, which if not properly done will result in tail flutter and vibration. We exercised a great deal of care in designing the model to provide a secure mount for the high slung tail surfaces. The fuselage is constructed similarly to many (Continued on next page)



Stunt models do lend themselves to good lines both aerodynamically and looks. Tapered wing is sound aerodynamically and does much to give that realistic look so important to our modelers.

LADY LUCK

DESIGNED FOR BEGINNER AND EXPERT ALIKE OUR STUNTER HAS THE BUILT IN STRENGTH REQUIRED FOR THE BEGINNER AND FINESSE FOR THE EXPERT.

Combination of good finish, well-trimmed, landing gear fairings, wheel pants and prop spinner does much for sleek appearance of the Lady Luck.

