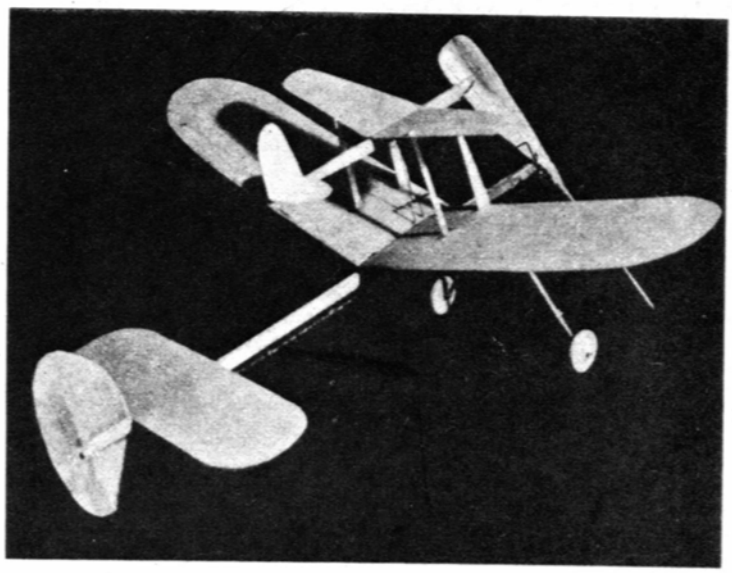
Pick-A-Back

THE GLIDER CUTS LOOSE TO SOAR ON IT'S OWN.

By Herbert K. Weiss



THE British Short-Mayo pick-a-back airplanes were the inspiration for the R.O.G. glider combination presented in this article. As you'll remember, the full-scale pick-a-back consisted of the four-engined seaplane Mercury which perched atop the flying boat Maia and was released after the composite aircraft had lifted the Mercury with a heavier load than she could have managed alone.

Our own combination serves a somewhat similar purpose, in that the R.O.G. carries the glider to a much higher altitude than the glider could attain alone after hand or catapult launching. When the power of the R.O.G. is exhausted, the glider is released, and each component goes its own way from then on.

Construction was purposely made very simple so that full attention could be paid to the adjustment of the release spring. Both the glider and the R.O.G. also perform very well alone.

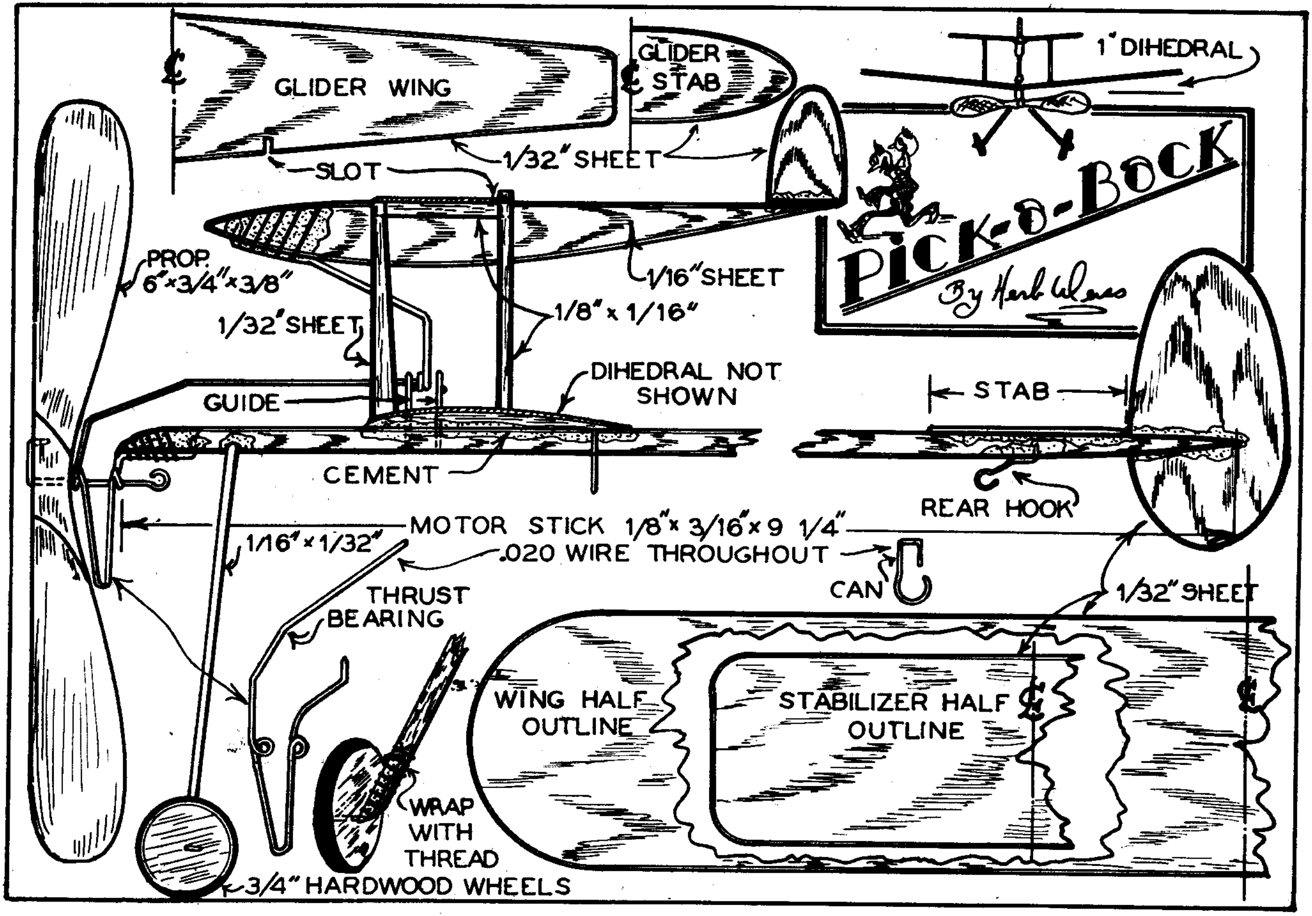
GLIDER

The glider can be assembled in a few minutes from scraps. The wings have about a half inch dihedral at the tips. The wire release hook should be about right to balance the glider; if the model dives, warp the trailing edge of the stabilizer up; if it stalls, add clay to the nose.

R.O.G.

Cut the R.O.G. wing and tail from 1/32” sheet balsa and sand the parts smooth. The wing is made in one piece, as is the stabilizer.

The motor stick is 1/8 x 3/16" hard balsa. Cement the tail surfaces in place.


GLIDER WING
GLIDER STAB
1" DIHEDRAL
1/32" SHEET
SLOT
PICK-A-BACK
By Herb Weiss
PROP. 6"×3/4"×3/8"
1/16" SHEET
1/8" × 1/16"
1/32" SHEET
DIHEDRAL NOT SHOWN
GUIDE
STAB
CEMENT
REAR HOOK
MOTOR STICK 1/8"×3/16"×9 1/4"
1/16"×1/32"
.020 WIRE THROUGHOUT
CAN
THRUST BEARING
1/32" SHEET
WING HALF OUTLINE
STABILIZER HALF OUTLINE
WRAP WITH THREAD
3/4" HARDWOOD WHEELS