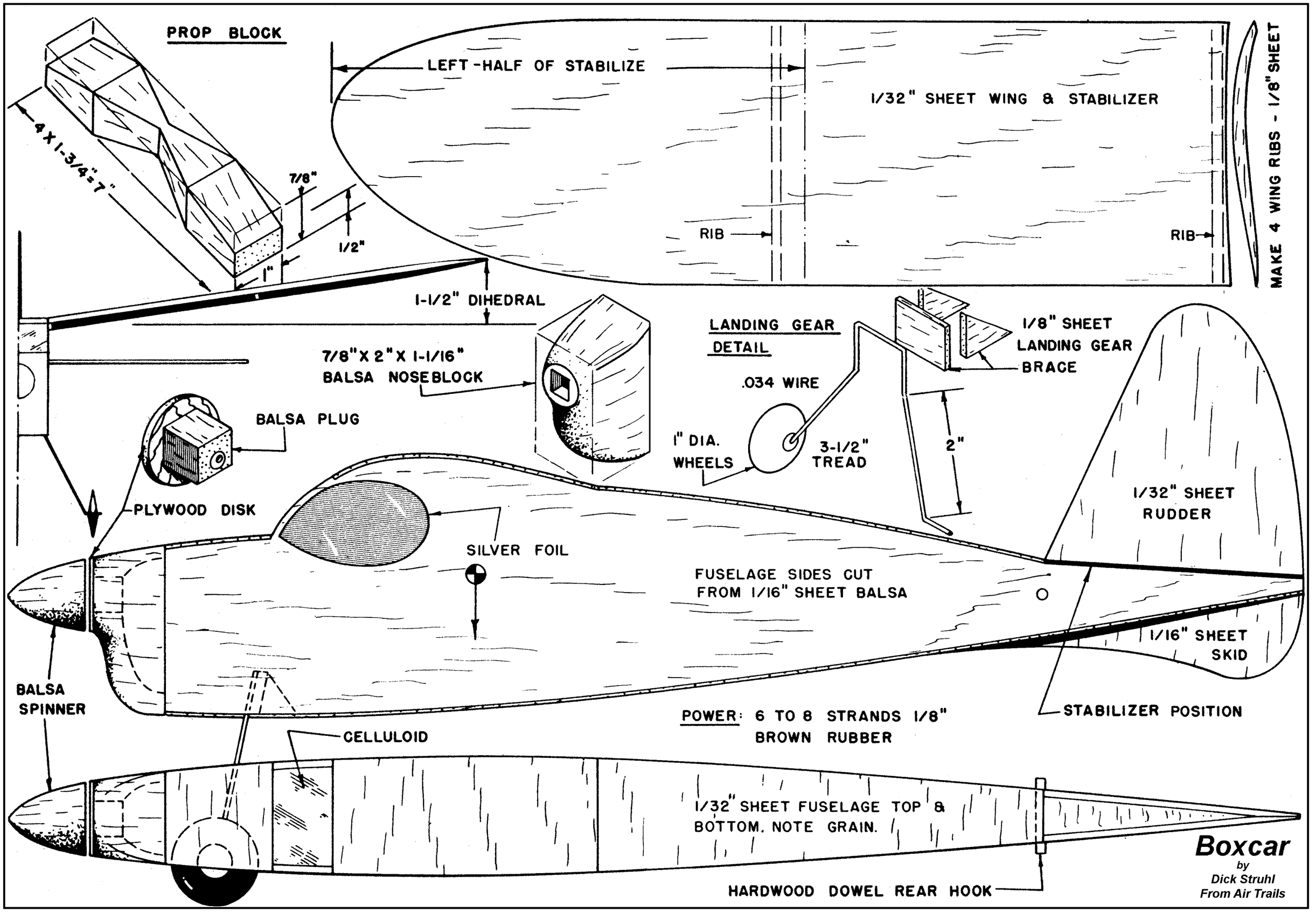

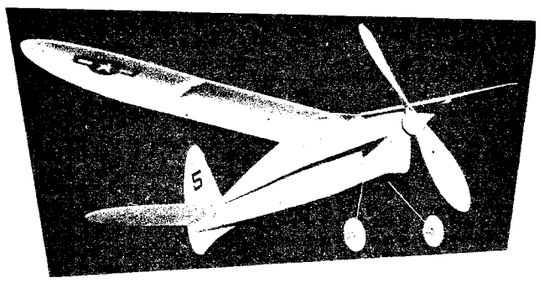

Battling Boxcar

SEARCHING FOR SOMETHING SIMPLE TO FLY? THIS RUGGED ALL-BALSA MODEL IS ATTRACTIVE, HAS GOOD PERFORMANCE

BY DICK STRUHL

■ To the model builder the word "boxcar" is synonymous with square fuselage, ease of construction, or simplicity of design. The model presented here fits the above description perfectly. The Boxcar Battler is a design that should appeal to the beginner for its simplicity of construction and to the expert builder who wants to "knock out" a good flying model in a minimum of time.

Cut two fuselage sides; if sheets are not quarter-grain stock glue a ⅛" strip vertically through the C.G. position to stiffen sides. Glue two sides together at rear. When this joint dries, glue in sections under wing, then add remaining top and bottom pieces. Mount gear through slit cut in fuselage bottom. A drop of cement on end of axles will hold wheels in place. The nose block is cemented flush with the fuselage front.

Only the left half of the stabilizer is shown. Reverse the drawing for the right side. The stabilizer is made in one piece for the most strength. The hardwood dowel which serves as a rear hook sets in holes drilled in fuselage sides.

The four wing ribs are cut from hard balsa and are cemented to the underside of the wing panels for the desired camber and strength. Use small straight pins to keep the wing curved until the cement has set. The nose plug is a thin plywood disk with a balsa cube cemented to it which fits the square hole in the front of the nose block. One ball-bearing washer is used between the prop and the nose plug.

The model should be powered with six strands of ⅛" flat T-56 brown rubber. After your model is adjusted you may increase the power to eight strands for a skyrocket climb.