

A BETTER DIME SCALE PROP

By Art Collard

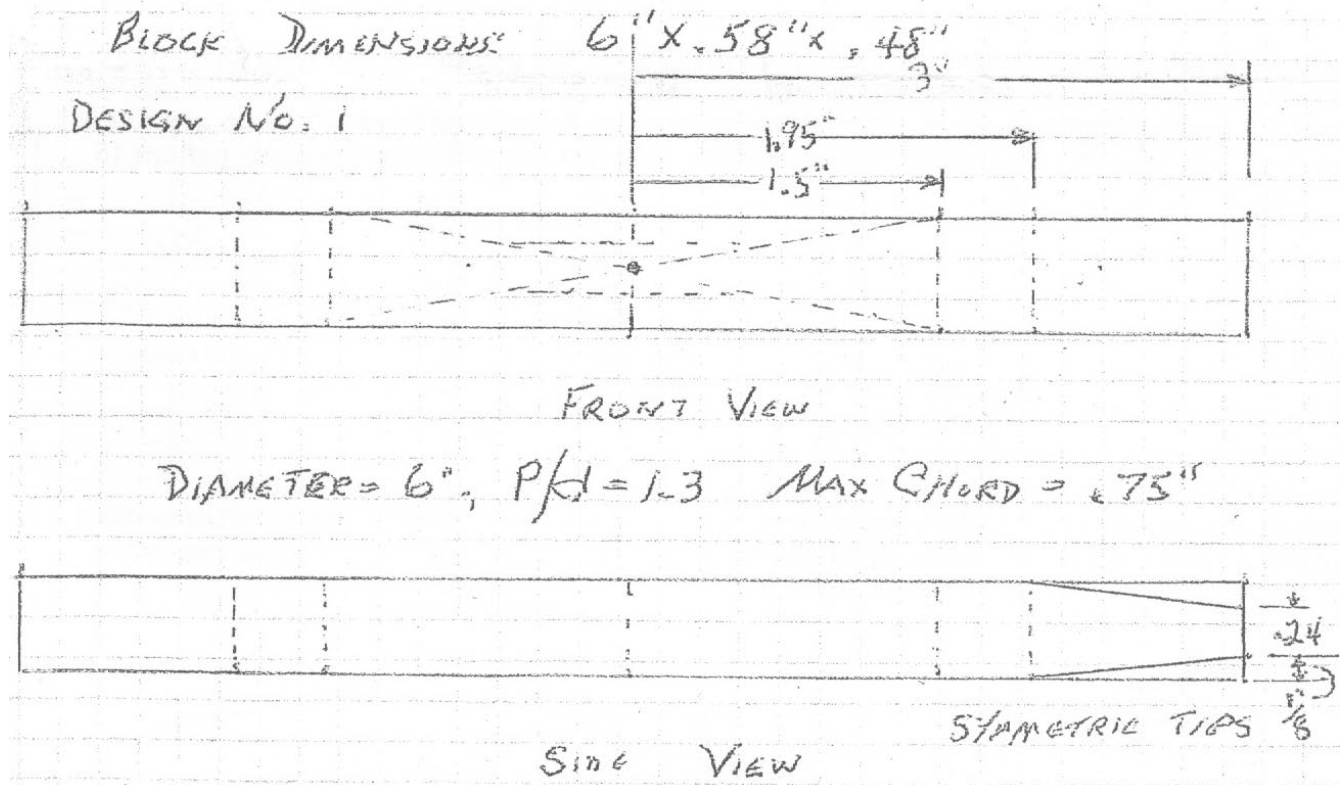
For those of you who like to carve props from balsa this article offers a design that may interest you enough to pull out your knives and start the chips flying - Editor.

In this article I humbly submit a design for a better prop for Dime Scale use. Jim Hemmel, a good friend, has been very successful with this prop design at the FAC contests held in Connecticut over the past several years. The reader will need a decimal-inch ruler and a true square to layout the prop block. To keep things simple, I present no design theory here.

For a prop with these properties: Diameter = 6", PID = 1.3, Maximum Chord = 0.75", the balsa block should have the dimensions 6" x 0.58" x 0.48". Mark the block showing stations at the center, 50% radius, 65% radius and 100% radius. These positions are illustrated in the accompanying drawings that I did on graph paper (See design No, 1). Note that the 50% station is 3" from the center and the 65% station is 1.95" from the center. In the side view note the tip starts out from the 65% station. The actual tip can be "swept back" or symmetric as indicated on the drawing.

The modeler carves the prop using the corners of the block like any regular X-block design.

Design No.2: Diameter = 5.5", PID = 1.3, Maximum Chord = 0.75". Use block dimensions 5.5" x 0.58" X 0.48" (tip height = 0.24". Refer to accompanying drawings. Again, carve to the corners.



ANOTHER PROP FOR DIME SCALE

BLOCK DIMENSIONS: 5.5" x .58" x .48"

PROP DIAMETER = 5.5", $P/D = 1.3$, MAX CHORD = $3/4$ "

