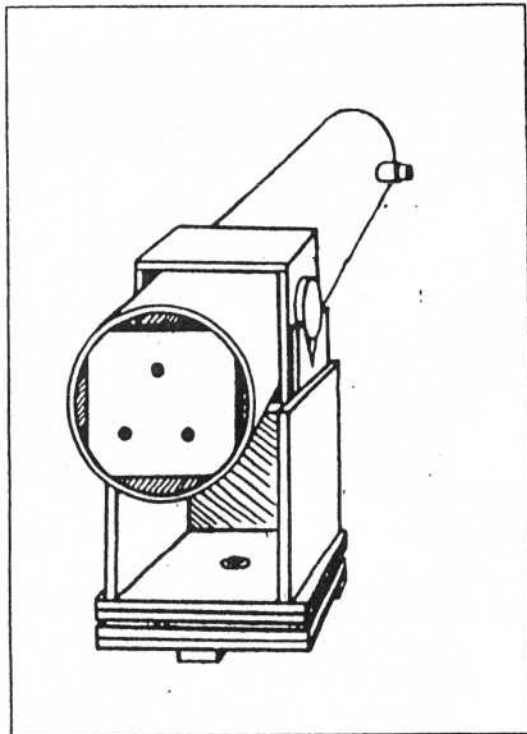


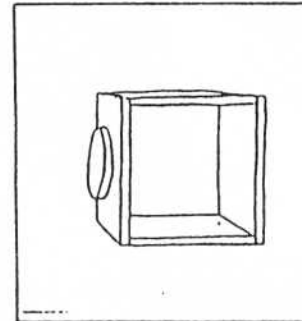
## Making the Mount



The completed telescope

## Assembling The Tube Box

- 1) Glue and nail the Tube Box together as shown.
- 2) Nail the two Side Bearings (circles) onto the sides of the Tube Box as shown. Side Bearings should be centered.
- 3) Slide the telescope tube into the Tube Box. If the tube is too loose in the Tube Box, the fit can be lightened by placing a board or boards (Masonite works well) of the necessary thickness between the tube and the Tube Box. After the telescope is fully assembled, a screw can be screwed through the tube into the Tube Box from inside the tube to make sure the tube "stays put".



### VERY IMPORTANT NOTE!

Read This Before Assembling the Rocker Box On The Next Page!



### POSITIONING THE SIDE BOARDS

One of the TRICKIEST parts of assembling the Rocker Box is getting the right amount of clearance between the Side Boards. This is how to determine the clearance:

1) Measure the width of the Tube Box--but do NOT include the width of the Side Bearings (circles) in this measurement!

2) The Tube Box needs to fit inside the Rocker Box, with clearance for two Cradle Boards, e.g. Part B (in which the Side Bearings sit), PLUS an extra 1/8" clearance on each side.

#### FORMULA FOR DETERMINING THE SPACE BETWEEN THE SIDE BOARDS:

Width of Tube Box PLUS width of (2) 3/4" Cradle Boards PLUS 1/4" clearance.

#### Example #1

Tube Box 12" wide .....12"  
 Plus 3/4" each for 2 Cradle Boards...1 1/2"  
 Plus 1/4" clearance (1/8" each side)...1/4"  
 = Distance Between Side Boards: 13 3/4"

#### Example #2

Tube Box 14" wide.....14"  
 Plus 3/4" each for 2 Cradle Boards...1 1/2"  
 Plus 1/4" clearance (1/8" each side)...1/4"  
 = Distance Between Side Boards: 15 3/4"

NOTE: All of the plywood sizes for the Tube Box and Rocker Box of a Dobsonian telescope are determined by the width of the tube. By using the above formula, you can calculate the sizes of the plywood for any size Dobsonian telescope.