

The Hensarling  
**TEXAS CLASSIC™**  
Rocking Chair Plans Set

by  
**Robert  
Hensarling**



# Seat Construction

Copyright 2004  
Robert Hensarling  
South Texas Fine Woods, Inc.  
Uvalde, Texas

All rights reserved for all portions of this plan set.

Copyright protection includes, but is not limited to:

- ~ This plan set may not be sold. ~
- ~ This plan set may not be copied in whole or in part. ~
- ~ Templates may not be copied in whole or in part. ~

**Caution!** Wood working is inherently dangerous. For the purpose of illustration and clarity the fences, guards, and other safety devices have been removed from many of the tools in the illustrations in this book. Be sure that you leave all manufacturer supplied safety devices in tack and in good operational condition at all times! Be sure that you wear appropriate personal protection as well.

# Seat Construction

## Tools and Supplies this Chapter

### Safety Devices

- Eye Protection
- Hearing Protection
- Gloves
- Dust Protection

### Template A, B, C, D

### Wood Stock

- Two @ Four 4" x 21" x 1-3/4"
- One 5" x 21" X 1-3/4"

### Router

- 1/4" rabbeting bit , 1" in diameter, with a 1/2" diameter bearing

### Table Saw

### Bandsaw

### Clamps

- Two 24" or greater bar clamps

### 5" orbital Sander

- 60 grit sand paper
- 80 grit sand paper

### Die grinder with 3/4" drum sander

### 4-1/2" angle grinder

- Carbide Donut

### Sliding T-Square

### Biscuit jointer

- #20 biscuits

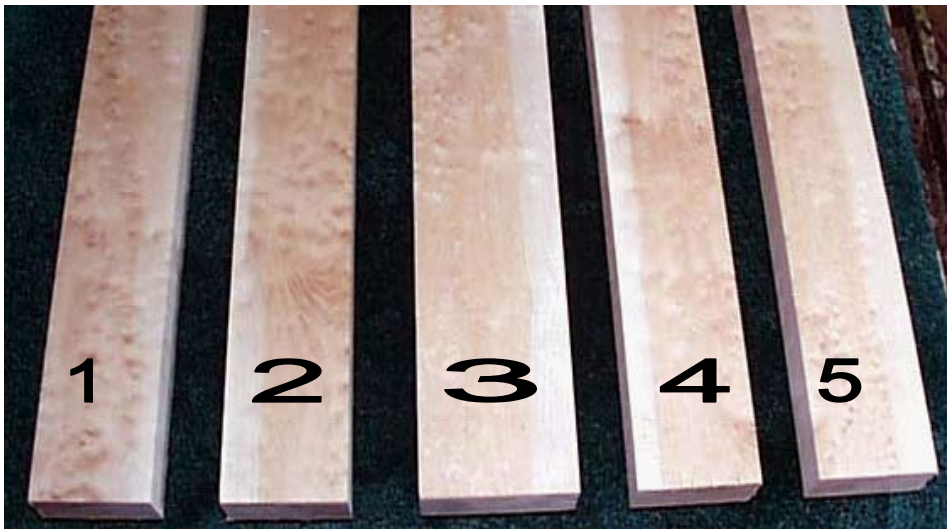
### Adhesive

- System 3 T-88 epoxy or Yellow Glue

## Seat Construction

The seat is the foundation and starting point for any of my chairs. I use a seat blank that measures 21" x 21", and have found this to be a good size for most everyone. If you choose to alter the dimensions of the seat, please keep in mind that the front-to-back spacing of the legs may be affected, and the headcrest size could also be affected.

The seat blank consists of five 21" long boards, all being 1-3/4" thick. Four of the boards are 4" wide, and one, the center board, is 5" wide. It is important that the sides and ends of these boards be straight and square. This will insure proper marking and a less visible glue line. Lay the boards out so that the 5" wide board is in the center of the blank, and number them 1 through 5, left to right (*Figure 1-1*). Dry-clamp the seat blanks together at each end.



*Figure 1-1*

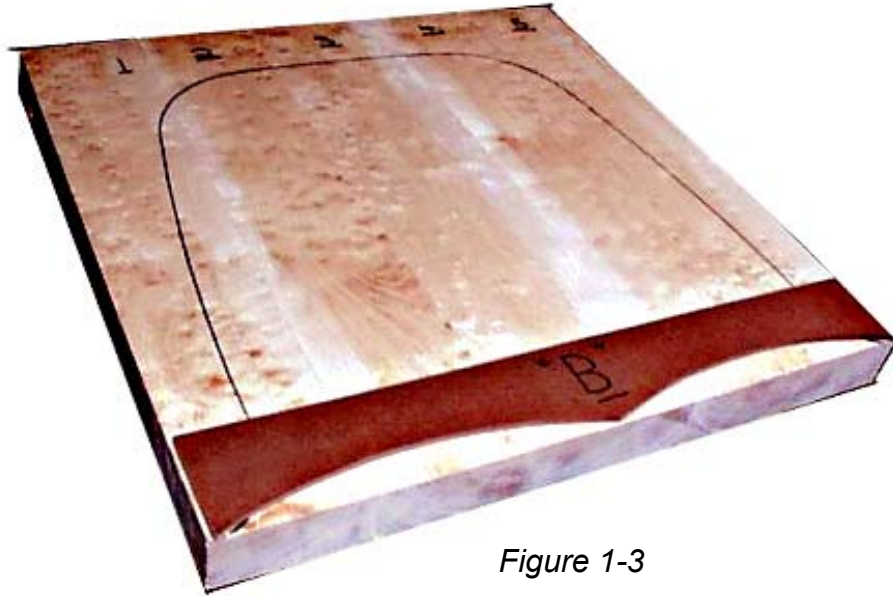
Place pattern "A", the seat profile pattern, on the blank so that all outside edges line up (*Figure 1-2*). Draw the inside curve using a Pilot G2 pen.



*Figure 1-2*

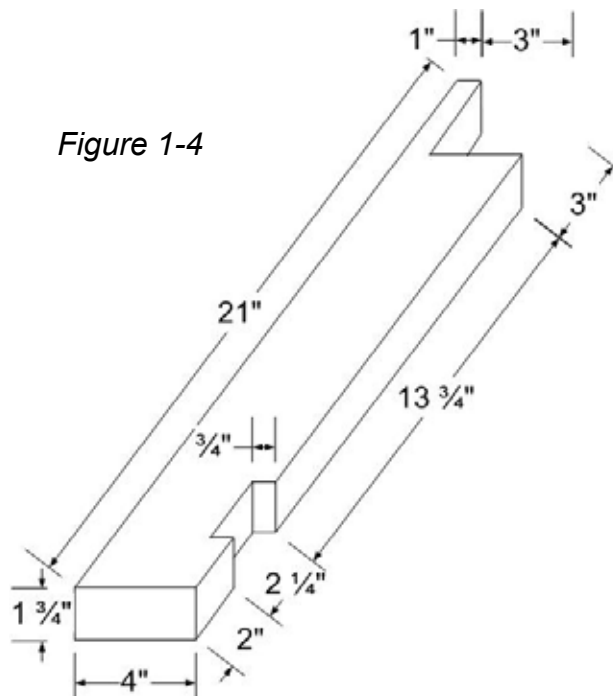
# Seat Construction

Place pattern "B" on the front of the seat blank (*Figure 1-3*), and draw the curves shown. Flip the blank and draw these front curves on the bottom also.



*Figure 1-3*

Referring to *Figure 1-4* for dimensions, use a sliding "T-square" and mark the areas for the front and back leg joints. I draw these marks on the top and bottom of the seat blank to double check my work when cutting the notches. When you're done, the seat blank should resemble *Figure 1-5*. Unclamp the seat blank.



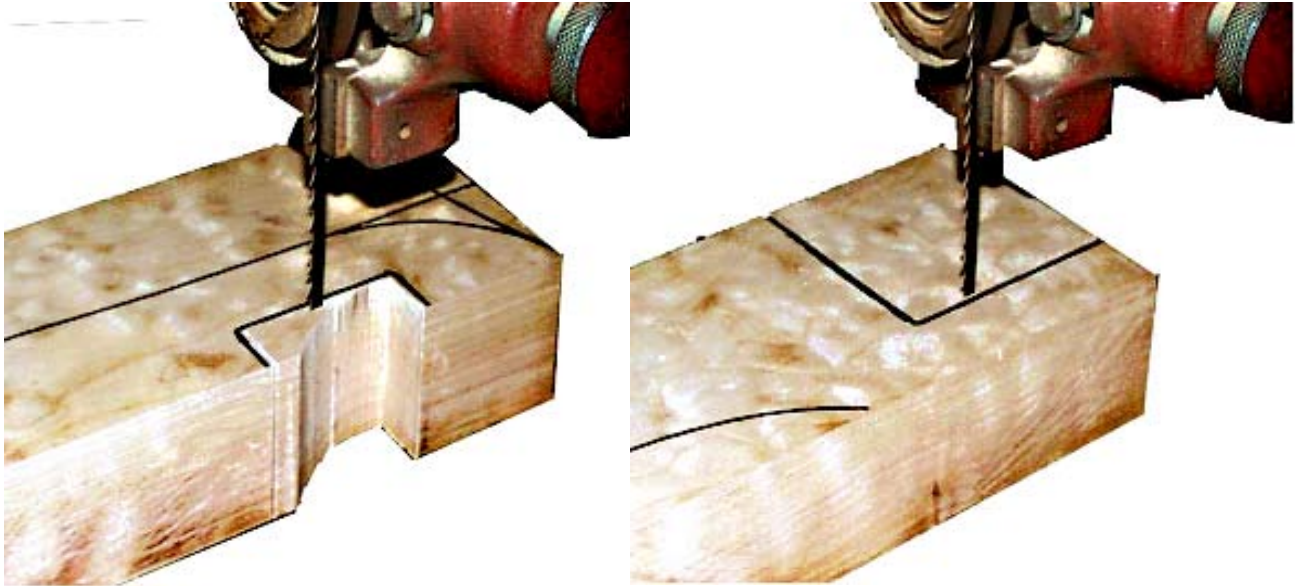
*Figure 1-4*



*Figure 1-5*

## Seat Construction

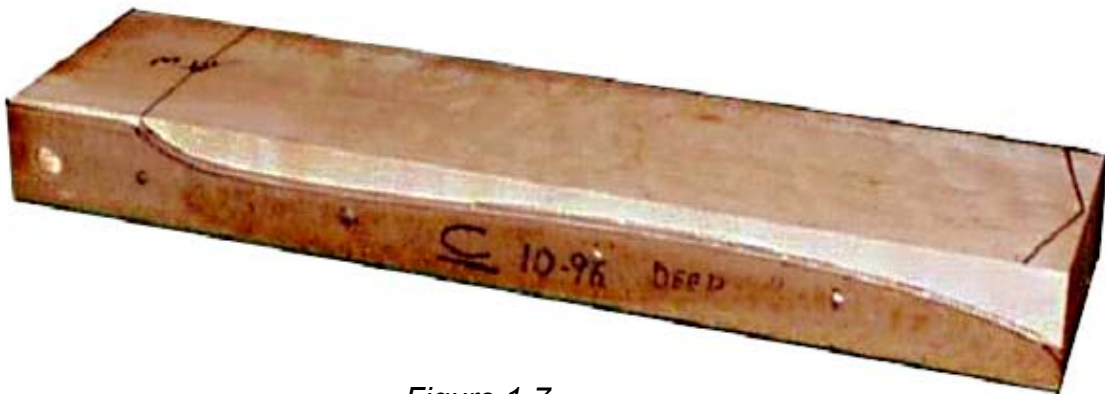
Use your bandsaw to cut out the leg notches to within 1/16" of the notch pen marks (*Figure 1-6*).



*Figure 1-6*

Adjust the blade on your **TABLE SAW** to 3", and using the sliding miter, true up the back leg notches right up to the lines. NOTE: do not stand the board on its end, rather keep it on its side, and repeatedly push the blank past the blade while moving the blank sideways until the line is trued up.

Lower the blade to .75", and true up the front leg notches the same way. Place pattern "C" (*Figure 1-7*) on the inside edge of the number three (center) board and draw the curve. Do this on both sides.



*Figure 1-7*