

# State Fair Project Information



## DOOR STOPPERS

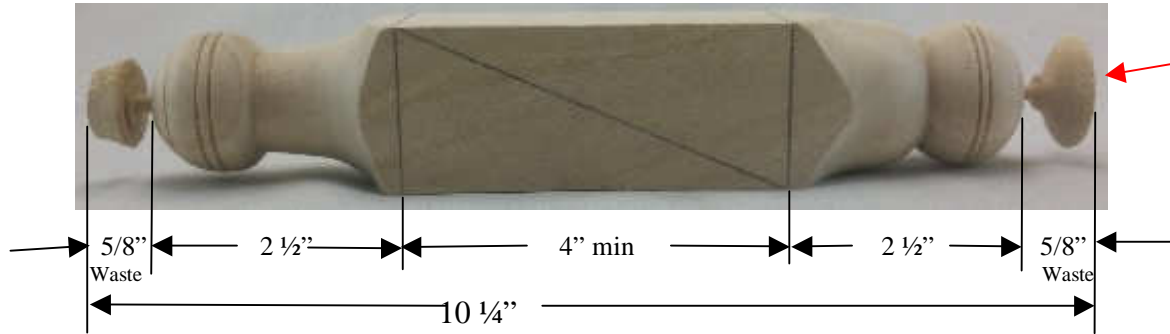
BLANK SIZE: 1 3/8" to 1 3/4" square by 10 1/4" long

SPECIES: Any hardwood

Turn between centers to specs below. Sand through the grits to 400. Inspect and remove all tool and sanding marks. Leave pencil marks on one side. Leave 5/8" waste pieces on ends with 1/4" parting dia. As illustrated.

**DO NOT APPLY FINISH.**

**DO NOT CUT DIAGONAL LINE TO SEPARATE PIECES**



## Large Planting Dibble (4-paks)

Any species of hardwood since this is an outdoor tool.

White oak is especially durable.

Well centered 2"x 2" stock for 1 3/4" finished OD  
8 1/4" to 9 1/2" long stock to make 4" - 6" body, 2.5"-3 1/2" handle. Inch markings burned in with wire.

9 1/2" to 11" long stock to make 5" - 6" body, 3" - 4" handle.

Inch markings burned in with wire.

Sand to 220 grit and heavily wax & buff

## SPURTLES (Two size ranges)

SHORT BLANK SIZE: 7/8 to 1 1/8" square by 9 1/2 to 10 1/2 long. Add 1" for chuck mounting

SHORT FINISHED SIZE: Minimum 5 1/2" stirring rod length. Minimum 3" handle length

LONG BLANK SIZE: 1" to 1 3/8" square by 13" to 15" long. Add 1" for chuck mounting

LONG FINISHED SIZE: Minimum 9" stirring rod length. Minimum 3 1/2" handle length

SPECIES: Hard Maple or other tight-grained hardwood so food particles don't get caught in open pores.

FINISH: Danish oil, butcher block conditioner or friction polish and buffed.

INSTRUCTIONS: Rough out either between centers or one end in a chuck and other in tail stock.

Shape handle, mildly embellish with burn rings if desired. Form handle base, then **turn stirring portion with no embellishments, beads or coves**. Stirring rod may be cylindrical or slightly tapered to a soft, rounded tip. There should be zero tear out anywhere on the spurtle where food particles could collect. Inspect at the end-grain tip. Sand through the grits to 400. Inspect and remove any remaining tool and sanding marks before applying finish.

NOTE: Most finishes are food safe if fully cured. Fully cured finishes have no odor. Using Danish oils or oils with driers require long cure times, often in excess of 30 days in a warm, dry environment.



## SPINNING TOP or HANGING TREE ORNAMENT



BLANK SIZE: Well centered 1 1/2" or larger square stock x 2 5/8 (between centers) to 3 5/8" long (chuck mounted).

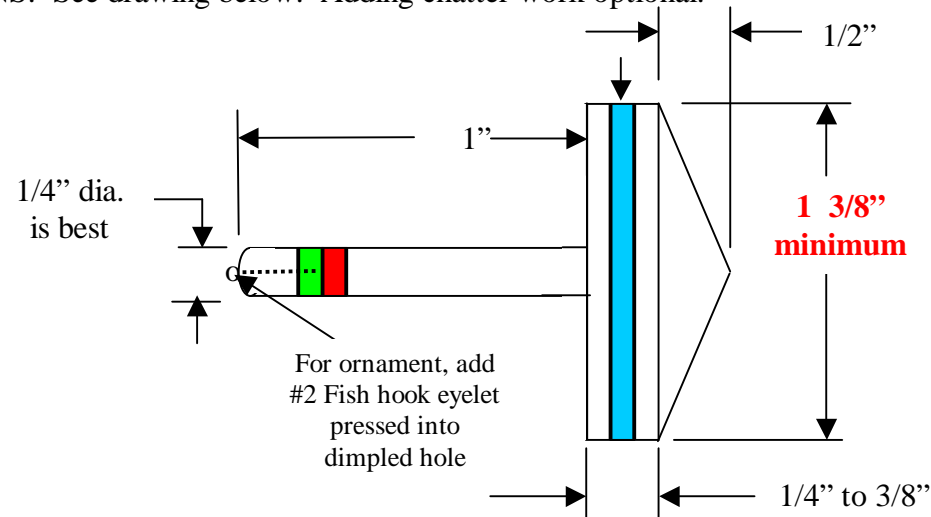
FINISHED SIZE: **CAUTION CHOKE HAZARD** – **Minimum O.D. to be 1 3/8"**, 1 3/4 to 2" tall.

SPECIES: Light colored hardwoods are best to allow brush tip color markers to show.

FINISH: If coloring, apply color on bare wood w/markers, then just dust w/acrylic clear finish.

If no color added, apply friction polish or clear finish.

INSTRUCTIONS: See drawing below. Adding chatter work optional.



## CHRISTMAS TREE ORNAMENTS (Christmas Trees, Bells, Snowmen, Penguins)



### Christmas Trees

See Chuck Dowler's instructions on making Christmas Trees on web site under Downloads tab. Use photos here as guides for shapes and styles of other ornament projects.

### POTENTIAL CHOKE HAZARDS

Keep diameter at widest point at least 1 3/8" for all ornaments.

Ornament shapes illustrated are easy to mimic even for beginning woodturners.

**QUALITY BOTTLE STOPPERS ALSO WELCOMED**

### BALL and CUP GAME

CATCH CUP BLANK SIZE: Well centered 2 1/2 x 2 1/2 square spindle by minimum 3 1/2" long

HANDLE BLANK SIZE: Well centered 1" x 1" square spindle by minimum 5" long.

FINISHED CATCH CUP SIZE: Inside bowl 1 7/8" dia by 1 1/4" deep, OD 2 1/4"

FINISHED HANDLE SIZE: 1/2" to 5/8" dia x 3 1/2" long with tenon to fit into cup.

SPECIES: Any attractive hardwood

FINISH: Friction polish and buffed.

CATCH CUP INSTRUCTIONS: Chuck square stock & turn tenon for chuck mount.

Drill 3/8" hole 1" deep for handle tenon. Reverse in chuck and hold by round tenon. Hollow per spec above. Sand inside CATCH CUP to 220 grit and add finish. Turn outside cup to allow min 1/2"+ of predrilled hole to remain inside bottom of catch cup. Sand to 220 and finish outside before parting off.

HANDLE INSTRUCTIONS: Chuck square stock & bring up tail stock. Turn 3/8" dia x 1/2" long tenon on tailstock end. Rough to round balance of handle leaving a shoulder at end of tenon to hide mortise in cup and to provide area to tie ball string around. Turn balance of handle down to desired diameter, sand to at least 220, apply finish & part off.

Dry fit tenon into catch cup base. If OK, wet tenon with Titebond glue and use toothpick to wet mortise in catch cup. Insert tenon and twist until shoulder butts up to catch cup base. Wipe off any squeeze out. Use 8 lb fish line to tie wiffle golf ball to handle & catch cup joint. Tie four tight knots at each end. Final distance from ball to handle is 13". Also see Ball & Cup Game plan and drawings in download area of web site.

### Bells



### Snowmen



### Penguins

