

Ted Sokolowski

Making a Peppermill - Focus on Design

SHOP NOTES FOR TURNING AN 8" PEPPERMILL



1. Make 2 templates of your design: 1 roughing and 1 finishing.



2. Find visual interest while using your template to determine the top and bottom of the blank. Then cut your blank to 3" x 3" x 9 1/8".



3. Rough turn round with roughing gouge and smooth with skew. Mark tenons with the help of your template.



4. If your design allows, cut spigots to 2" dia. 3/8" long using a parting tool and cut thru parting cut with hand saw.



5. Mount base in chuck & true up side and bottom with skew and undercut bottom of mill.

6. Drill 1 5/8" hole with forstner bit 9/16" deep.

7. Drill 1" hole half-way through with forstner bit.

8. Cut a recess for mill grinder mechanism with square ended scraper.

9. Chamfer the bottom inside edge, sand and finish the end-grain.

10. Mount top of mill in chuck and true up bottom with skew. Undercut slightly.

11. Drill 1 1/4" hole 3/8" deep.

12. Cut recess for turnplate hardware using a 7/8" bit and scrape for a snug fit. Sand and finish the end-grain.

13. Drill 17/64" hole centered through cap for the shaft.

14. Remount base (finished end) into scroll chuck.



15. Drill with 1" bit through piece. Use extension if necessary.

16. Cut tenon on body to fit top recess snugly.



17. (A) Make a jam chuck and mount assembled mill between centers. (B) Using calipers part down to establish the highs and lows of your curves from your template.



18. Cut shape of mill following template design. Sand to 220 then establish any V-cuts and sand through 1200.

19. Apply finish.



20. Re-cut the tenon on the base to a "loose" fit for smooth operation of top. Support end with tailstock.

21. Complete the project by applying the same finish to tenon.

22. Assemble the hardware to the mill.



A mechanical PDF drawing of the mechanism for an 8" mill is available at Ted's website. *Download it free!* This makes it easier to create your own accurate design to the scaled mechanism.

Visit:

www.sokolowskistudios.com

where you'll find my *DVD* "*Making a Peppermill*", along with *tools, supplies* and *tips*.

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You'll find more peppermill supplies and my DVD also at:

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