

Snowman Pepper and Salt Mill

Instructions

(instructions for a Chef Specialty mechanism)

- 1- Select wood to be used, determine top and bottom and the design. For a 10" mill I cut use an 9"+ blank for the body and a 2" piece of a different wood for hat. Check for cracks, they can be a design opportunity or a ruin a piece.
- 2- Secure body blank between centres on your lathe and turn blank to approx. 3" dia
- 3- While between centres turn a tenon at both ends as well as on the a tenon approx. 2-1/2" from the top.
- 4- Part off the top (head) section approx 2" long
- 5- Using a chuck mount the body of the mill starting with the bottom of the body in the chuck first
- 6- Drill or turn a 1-1/8" to 1-3/16" recess approx. 3/16" deep this will be to accept the top (head)
- 7- Drill a 1-1/16" hole minimum half the depth of the body
- 8- Square up the top section of the body
- 9- Sand the inside with 120-180 grit paper and give the top a coat of oil or whatever your preference of finish is
- 10- Remove body from chuck and put the top of the body in the chuck
- 11- Square up the bottom of the body
- 12- Drill a 1-5/8" to 1-3/4" hole approx. 3/4" deep
- 13- Drill through with the 1-1/16" drill and clean up with 80-120 grit sand paper and give the top a coat of oil or whatever your preference of finish is
- 14- Remove from lathe and put the top (head) in the chuck
- 15- Drill a 23mm hole or turn a recess .90" dia x approx 1/8" deep to suit the drive plate mechanism
- 16- Square up the face and drill a 5/16" hole through the top, minimum 2-1/2" deep
- 17- Turn a spigot approx. 3/16" long x dia to suit the top of the body. Trial and error this should be a tight fit at this time
- 18- Put the body of the mill on the spigot on the top and hold the body in place with a live centre in the tailstock
- 19- Shape the mill to suit you, leaving the very top for now and give the top a coat of oil or whatever your preference of finish is

- 20- Sand the body through to suit you, between 220 to 400 grit is fine
- 21- Put a coat of finish on the body and a bit of the top
- 22- Remove body and take a light cut off of the spigot to ensure the body will turn freely when completed
- 23- Remove top (head) and make a jam chuck to accept the top (head)
- 24- Finish shaping the top (head), and turn a 1/8" long x 23mm (or to suit the hat) spigot to accept the hat, sand and apply finish
- 25- Cut a piece of 3/8" or 1/2" dia brass rod x 3/8 - 1/2" long
- 26- Turn a tenon on one end of the hat, secure hat in chuck and clean up the face with a slight concave surface.
- 27- Drill a 23mm hole (or similar) x 3/16" deep, next drill a 3/8" dia hole x 3/8-1/2" deep for the piece of brass
- 28- Glue brass piece into hat, let glue set, drill and tap to 12unc to suit shaft.
- 29- Remove hat from chuck, make jam chuck, finish turn hat sand and oil to finish
- 30- Install mechanism, the square shaft will need to be cut to length at this point, measure while assembled, cut off the blank end and peening the end over. Reassemble
- 31- Use it proudly, give them away OR sell a bunch of them

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