Upside-Down Salt Shaker

**get started**
- prepare stock 3” x 3” x 6”
- mount stock between centers; turn to a cylinder
- make a tenon on each end for chucking
- part cylinder making 3½” and 2½” long segments

**make the external case**
- mount the longer segment in a chuck (this will be the external case)
- true the face of the end
- drill a hole in the free end 1½” diameter by ¾” deep
- continue drilling the hole 1¾” diameter to a total depth of 2½”
- shape the outside of the urn (2” minimum diameter and 2¾” minimum height)
- sand and finish the end with the hole and about halfway up the outside surface
- reverse chuck
- remove the tenon and finish shaping the top
- sand and finish the outside surface of the urn

**make the internal dispenser**
- mount the shorter segment in a chuck (this will be the internal dispenser)
- reduce its diameter to 1⅝” so that its end fits tightly into the end of the case
- make a step ⅛” from the end down to 1⅝” diameter; make sure the end fits flush in the step in the end of the case
- hollow a funnel-like cone in the end of the dispenser to a depth of ~½”; leave a ~¼” flat rim on the end surrounding the funnel
- drill a ⅛” diameter hole in the center of the funnel ~1½” deep
- sand and finish the end and funnel
- starting from the step, gradually reduce the diameter of the dispenser to ~½” for the rest of its length
- part off the dispenser making a cone-shaped end ~1¾” from the step or ~1¾” overall length

**assemble**
- glue dispenser into the case (apply glue around the step)
- after glue dries, fill with salt via the funnel end
external case
(shape of external surface
can be whatever you like)

internal dispenser

2 1/2"

15/8"

13/8"

13/4"