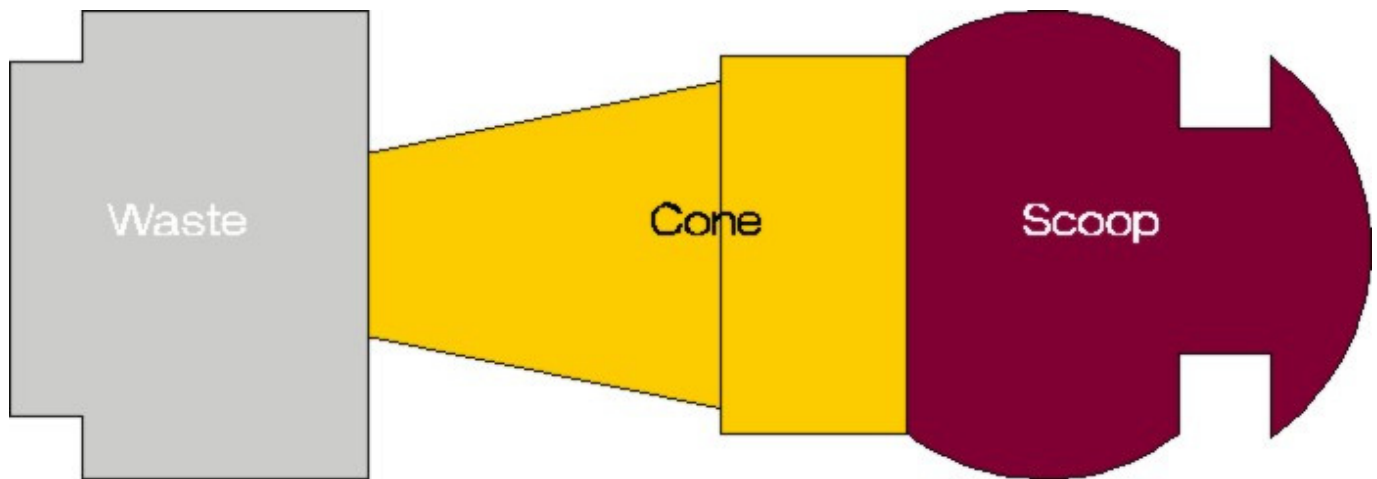


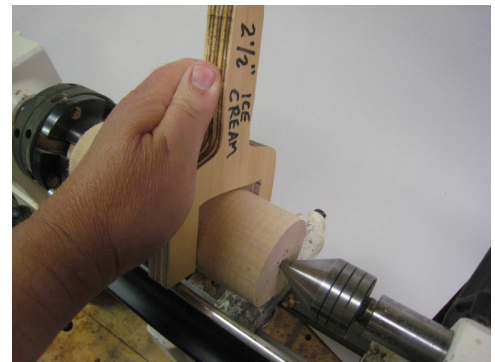
Ice Cream Cone Box

Project concept: The dog days of August are perfect for cooling off with an ice cream cone. Even better would be if your favorite flavor is accented with special toppings. This month's table favor is an Ice Cream Cone box which will be used to hold a variety of sprinkles, nuts, or other topping treat.

General dimensions: Take a look at the image below, which represents the ice cream cone that we are trying to create.

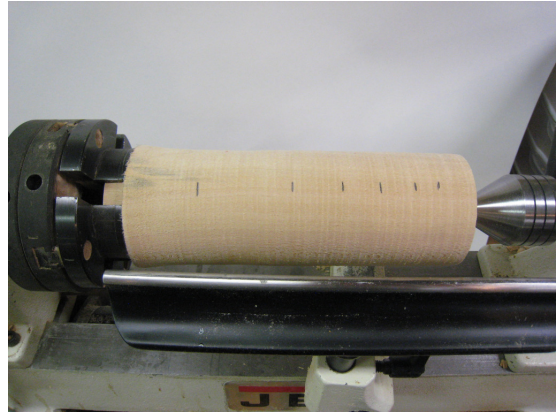


Let's start with a block of some medium density hardwood (maple would do) 7 1/4" long and 2 3/4" square, turn it to round to 2 1/2" in diameter, add a tenon and place the piece in a 4 jaw chuck. You probably will want to support the tail end of the stock with a cone center.

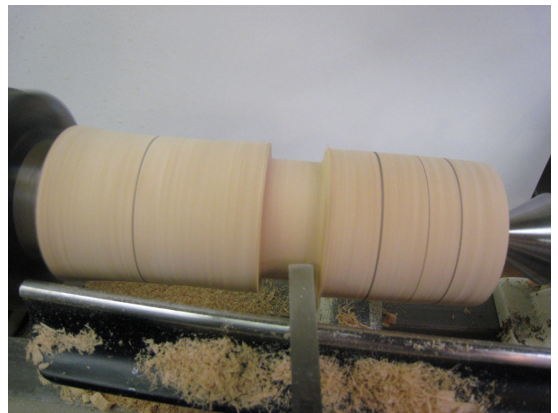
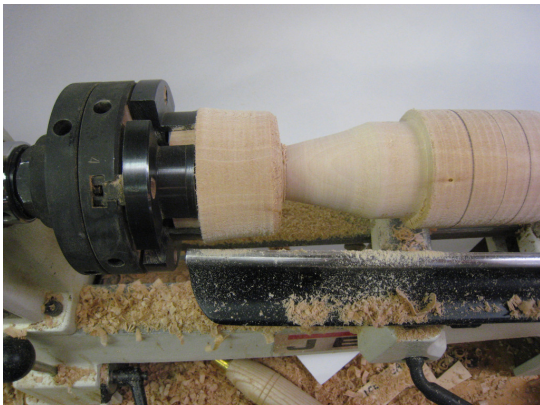


The gray rectangle with a tenon on the left is a waste block and is 1 7/8" long (this length is not critical, you just need something that will fit in your chuck, but we will assume that it is 1 7/8" long). The yellow area in the center represents our ice cream cone and is 2 7/8" long. The maroon area represents a single scoop of ice cream (probably black cherry), and is 2 1/2" long. The scoop of ice cream has a diameter of 2 1/2 inches, but part of it is buried in the cone, and part is the tenon between the main body of the scoop and the part which will serve as the cap of the box.

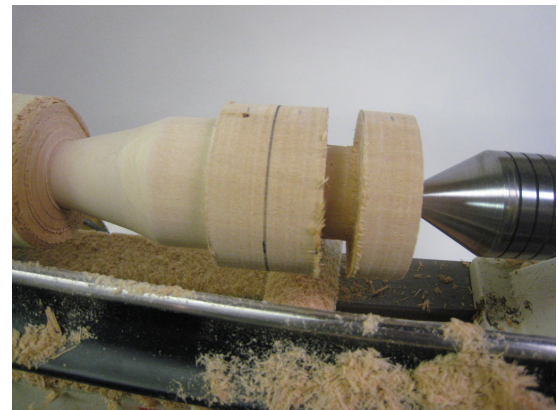
Roughing it out: After roughing the stock to 2 ½" diameter, let's start by making a mark 1 7/8" from the end of the piece in the chuck, which will represent the boundary between the waste block and the bottom of the cone. Then another mark at 3 ¾" and a third mark at 4 ¾"; these marks represent the top of the tapered part of the cone, and the top of the cone. Make another mark at 5 ½", which represents the widest part of the ice cream scoop. Make two other marks at 6 ¼" and 6 ¾" which represent the tenon.



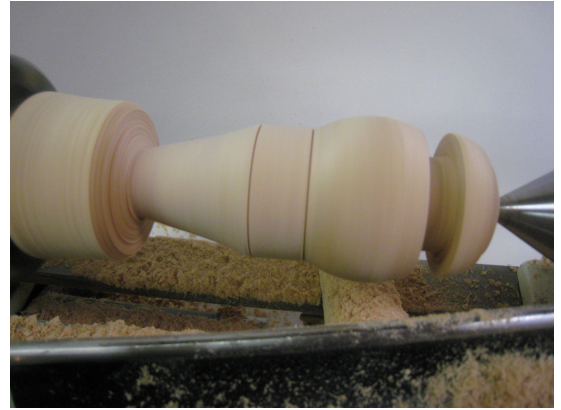
Using a Bedan or Parting Tool, reduce the size of the top of the cone to 2", and then cut a taper to form the bottom part of the cone. A sharp angle between the top part of the cone and the tapered part may be difficult to achieve, so don't worry if a small fillet remains.



Now let's prepare the tenon on the top of the scoop, while will be the top of our Ice Cream box. Take a Bedan or Parting Tool and create the tenon ½" deep, leaving a tenon of 1 ½" in diameter (this dimension is not critical).



Round the area between the widest part of the scoop and the top of the cone, then between the widest part of the scoop and the tenon, and finally from the tenon to the end of the scoop. At this point, don't remove too much material from the scoop around the tenon, as we will refine that shape later on.



Making the box: Part off the top of the scoop, just about, but not quite, at the left side of the tenon (by leaving just a bit of the tenon on the main part of the scoop, we will have a rough idea of the amount of material to hollow to allow a good fit with the cap).



Using the hollowing technique of your choice, hollow out the main part of the scoop and cone; I use a Forstner bit in a Jacobs Chuck for the heavy hollowing. Size the entry such that it matches the tenon with a “Goldilocks fit”, not too loose and not too tight, but just right (a small side ground square scraper would work well here, but a small parting tool on its side will also do the job).



Place the cap into the body of the cone and refine the junction between the two parts; if the fit is a bit loose, wrap a piece of masking tape around the tenon while evening out this joint.



You may want to make a small “V” cut between the two parts of the scoop to facilitate taking off the cap. I chose to place a pair of decorative lines at the along the edges of the top of the cone, and then burned them with a wire burner.

Part the cone from the waste block, and you turning is complete.

Finishing: You may want to apply sanding sealer or some other finish to the inside and outside of the work. Alternately, you may want to dye the cone yellow or orange and the scoop some other color. A third choice would be to choose a contrasting wood for the cone (Osage orange, perhaps) and scoop (Walnut) and glue together with the waste block before turning; in this case, remember that the waste block is 1 7/8”, the cone 2 7/8” and the scoop is 2 1/2”.

Final thoughts: This Ice Cream Cone box can hold a variety of dry ice cream toppings. Perhaps sprinkles, chocolate chips, peanuts, pecans or coconut. Make one for each guest, and then have them pass the cones around until each has the toppings that please them the most. Whether your ice cream is served in a cone or a bowl, these Ice Cream Cone boxes are sure to delight your guests with the perfect additions to your ice cold dessert treat.



Once you master the Ice Cream Cone box, you might want to try a similar concept of creating scoop of ice cream in a bowl. Glass bowls might be a difficult to imitate, but silver bowls made with Gilder's paste from Craft Supply would be interesting (<http://www.woodturnerscatalog.com/p/51/6146/Baroque-Art-Gilders-Paste>).