

How to make the Mill

The height (length) of the body is determined by the mechanical parts, it is 95mm (3¾"). Select the timber that you prefer, but don't use one that exudes strong odors or is poisonous as this might be passed on to the condiment. Local timbers are fine, and so are laminations.

Make a roll with a length of approx. 150—160mm (6") that you can clamp in a chuck. Turn the free end so that it is perpendicular. Now we produce a pedestal that fits the base base plate as regards diameter and height. Hold the base plate against the pedestal to mark the position of the screw holes. Predrill the screw holes and countersink them.



Pedestal to receive the base plate, 25 mm (1") bore for the nutmeg

Now we drill the hole to accept the nutmeg. It will be best to use a spur bit since this will be best to take care of the hard center wood.

Drill diameter 25mm (1"), depth 40mm (1½")

To accept the drive pole with spring we need a bore of 9.5mm (¾"). For the pole only use 6.5mm (¼") or 7mm. The depth must be 40mm (1½")

You must now produce a 25mm (1") pin using a chuck. On this pin you place the mill body. Make sure that the fit is close and that the mill body runs true.



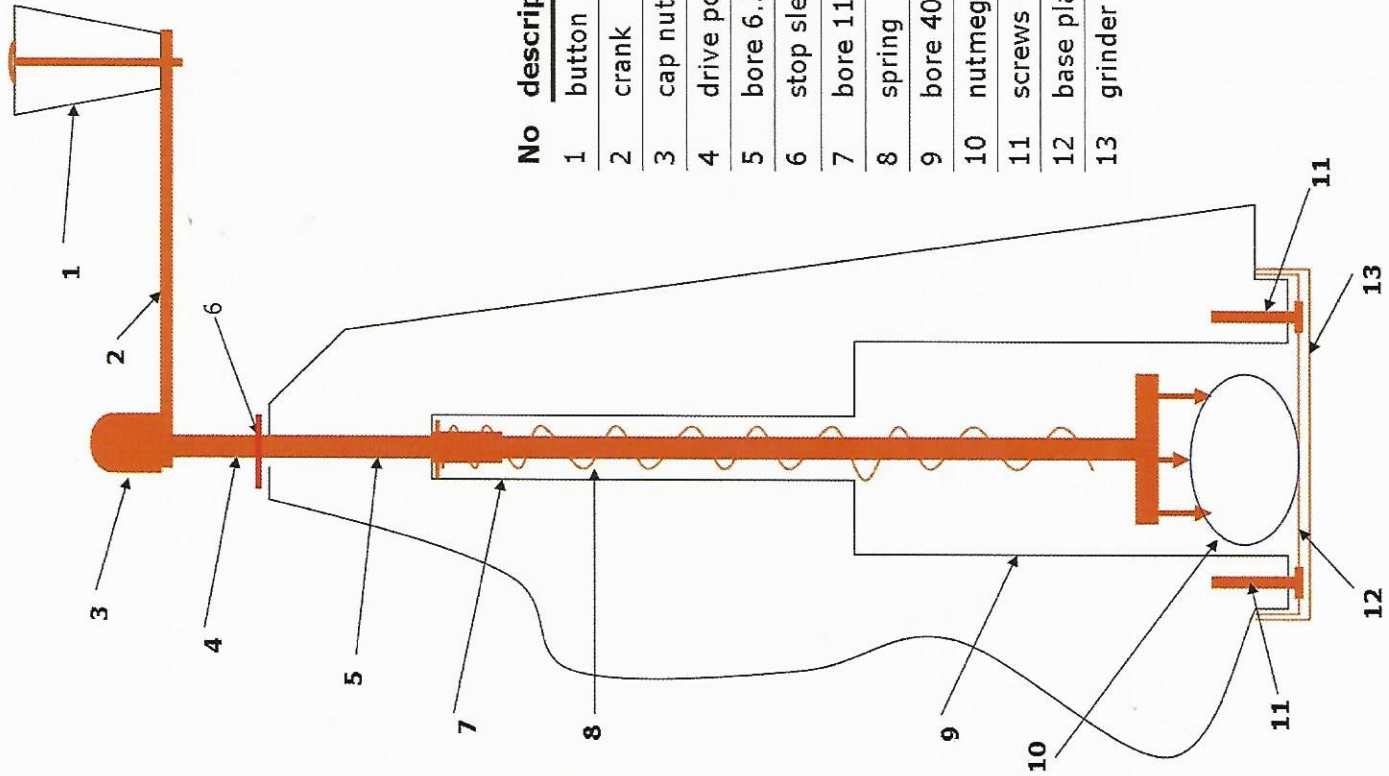
Pin to hold the mill body

Now turn a perpendicular face for the free end of the body and drill the 6.5mm (¼") hole for the drive pole. Now, for safety reasons use the center on the tailstock and turn the desired form of the body. Make sure the length of the finished form is 95mm (3¾"). When the body is finished we sand it and treat the surface as desired.



one of many shapes

You are also free to choose the shape of the crank button. Its length must be 16mm and it has a 3mm (⅛") bore. Sand and do the surface treatment. Push the rivet through it and with the open end through the hole in the crank. Use a center punch to fix the rivet firmly to the crank, the button must still be loose enough to rotate. Now only fix the crank to the drive pole and secure it with the cap nut.



No description

1	button
2	crank
3	cap nut
4	drive pole
5	bore 6.5(¼)
6	stop sleeve
7	bore 11 (7/16)
8	spring
9	bore 40 (1½)
10	nutmeg
11	screws
12	base plate
13	grinder plate