

FREE!

How to Make a Bell



PREPARATION:

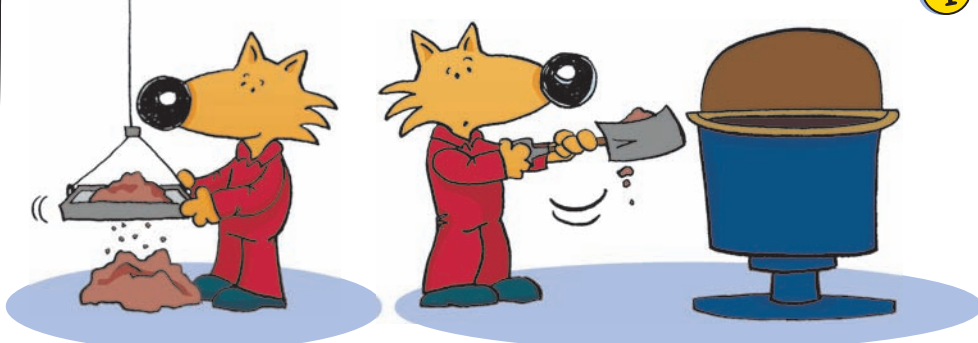
② This is a 'strickle'. It's the pattern for the bell!



① Ingredients for loam:



③ Sift and mix the ingredients.

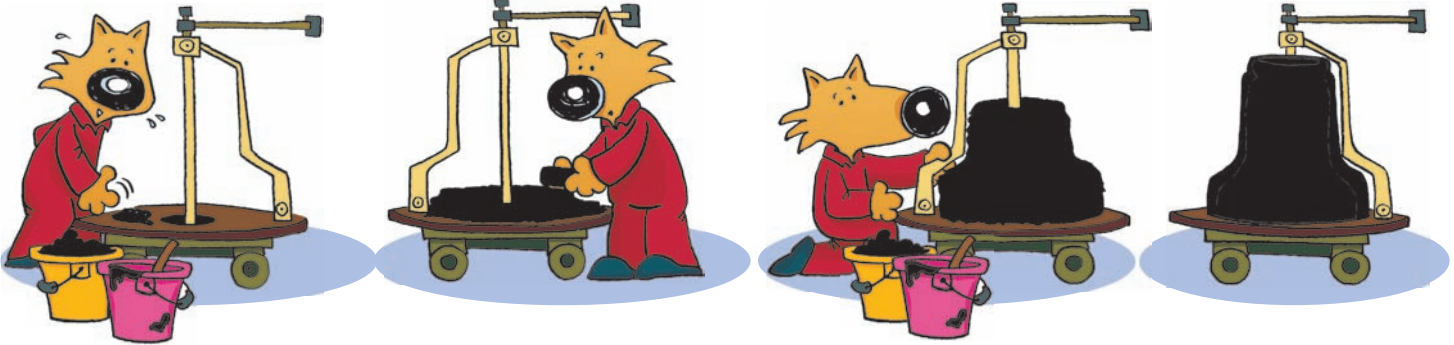


④ Bake some of the loam into bricks.

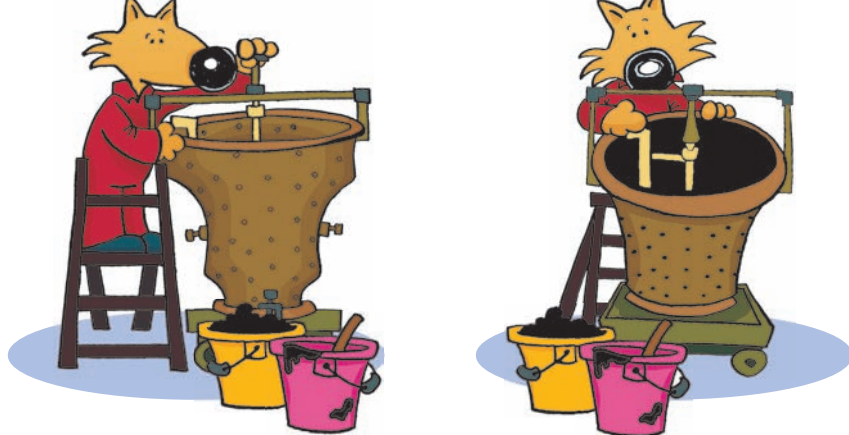


MAKING THE MOULD CASE:

⑤ Using loam and loam bricks, build the Inner Mould - the 'core'.



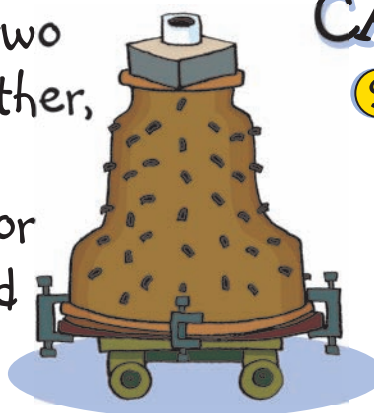
⑥ Using loam, build the Outer Mould - the 'cope'.



⑦ Add an inscription.



⑧ Clamp the two moulds together, and add a runner box for the hot liquid metal.



CASTING THE BELL:

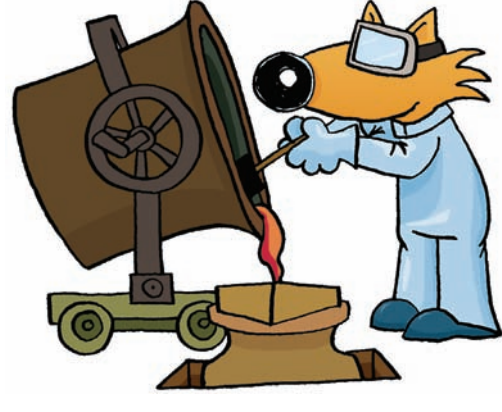
⑨ Heat up copper ingots, recycled metal, broken up old bells and tin to 1150° Celsius.



⑩ Clean the 'slag' off the top.



⑪ Pour the hot metal into the mould case.

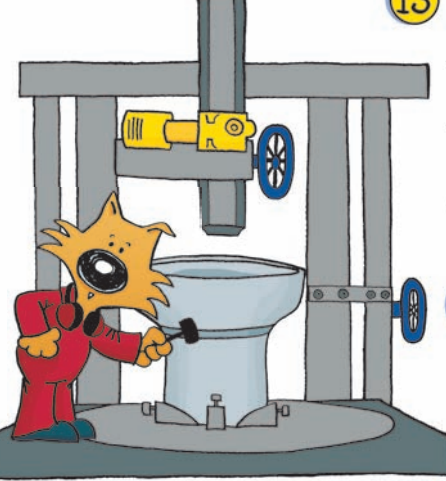


⑫ When the bell cools, break it out of the mould case.



SKIRTING & TUNING THE BELL:

⑬ Use a lathe to cut the rough edges off the bell. This is called 'skirting'.



⑮ The bell is finished and ready for delivery!

