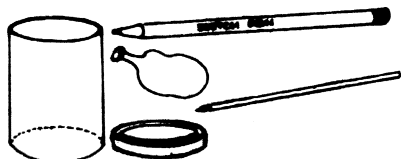
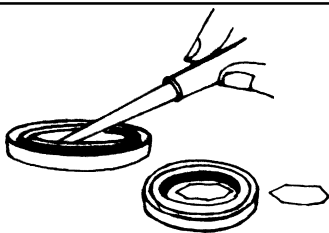


## BOTTLE BEEN

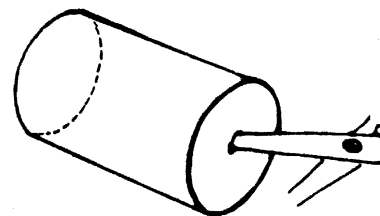
This toy might remind of the *Been* – the snake charmer’s musical instrument.



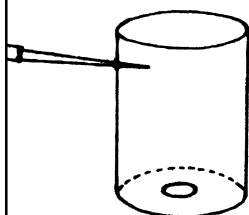
1. Materials needed to make it are a film reel bottle, a dry sketch-pen, an old ball-pen refill, a torn balloon and ordinary hand tools.



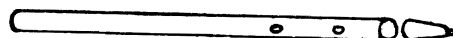
2. Cut the middle portion of the film bottle cap with a knife. The hole should be 1.5-cm in diameter. Its shape is not important.



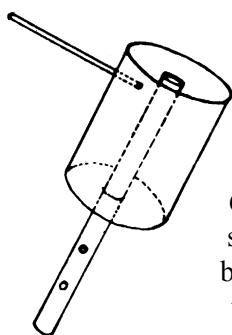
3. Make a hole in the center of the base of the bottle. Widen this hole by rotating a tapered scissors. The hole should be large enough to squeeze a sketch pen through it.



4. Make a small hole on the cylindrical surface of the bottle about 1-cm from the open end. This hole should be just big enough to enable a ball pen refill to tightly fit into it.

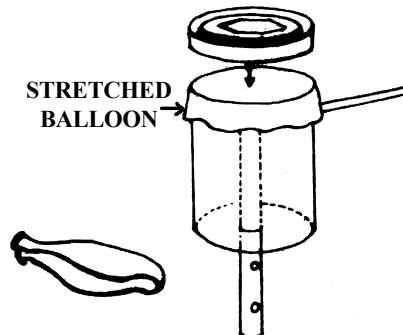


5. Cut the pointed writing end of the sketch pen. Make two small holes at a distance of 1 and 3-cm from this end.



6. Press fit the sketch pen and ball pen refills in the film bottle.

7. Cut a balloon. Stretch the balloon on the mouth of the bottle. Snap the cap on the bottle to keep the stretched balloon in place.



8. This is the complete assembly. Now gently slide the sketch pen upwards so that it just touches the stretched balloon. Simultaneously, blow through the refill. At one particular position you will hear a clear and loud musical note. By opening and closing the holes, as in the case of a flute, you can play a few notes. The balloon acts like a stretched membrane or diaphragm and begins to vibrate when you blow in. The bottle acts like a sound box.