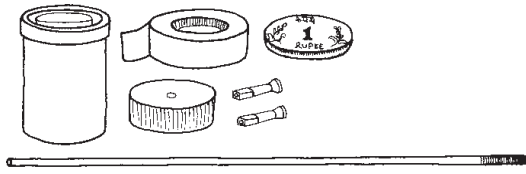
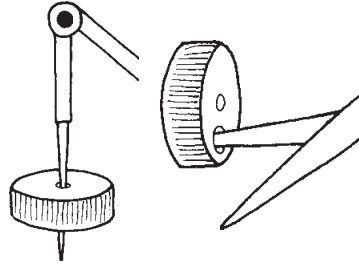


## COIN PUMP

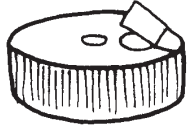
Make a water pump using a film can, bottle cap, coin, cycle spoke and other trinkets



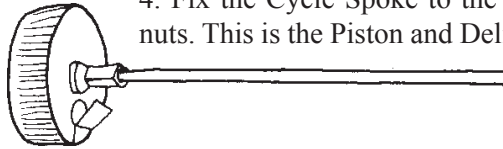
1. You will need a film can (Cylinder) and a bottle cap fitting it (Piston), cycle spoke, nuts, coin, cello tape and simple tools.



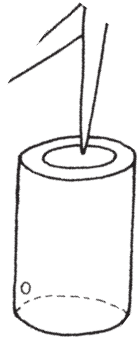
2. Make a hole in the bottle cap centre to fit a cycle spoke. Make another bigger hole to make the Delivery Valve.



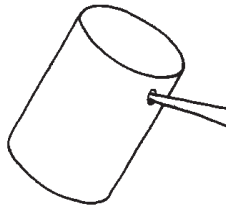
3. Stick a plastic flap on the big hole. This flap should open / close like a hinge.



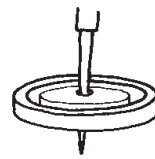
4. Fix the Cycle Spoke to the cap with two nipple nuts. This is the Piston and Delivery Valve assembly.



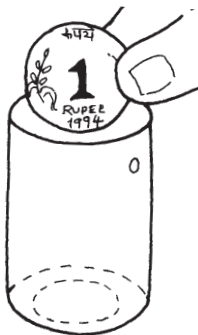
5. Make a large 2-cm hole in the base of the film can. This will be the Suction Port.



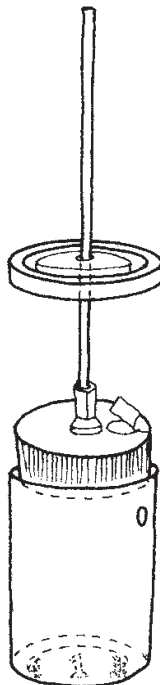
6. Make a Delivery Port on the cylindrical surface of the bottle.



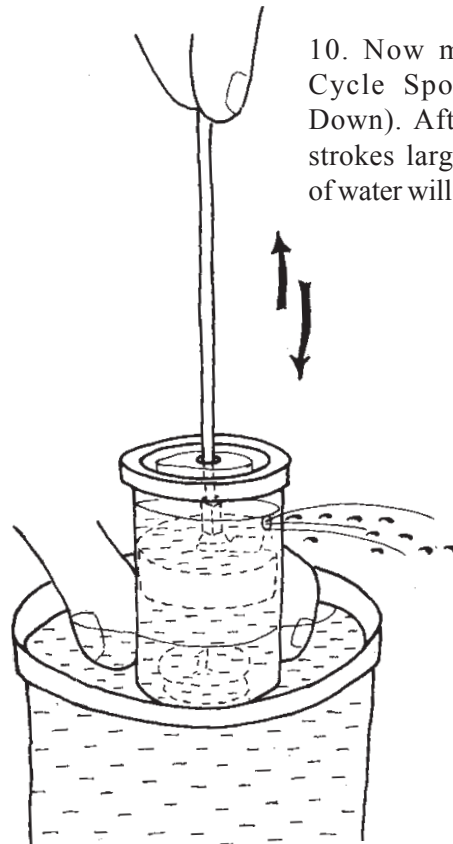
7. Pierce a hole in the film can bottle cap for the Cycle Spoke to go smoothly.



8. Place a coin in the film can. This coin will cover the base hole and act like a Suction Valve.



9. Place the piston in the cylinder and shut the top lid.



10. Now move the Cycle Spoke (Up-Down). After a few strokes large chunks of water will gush out!