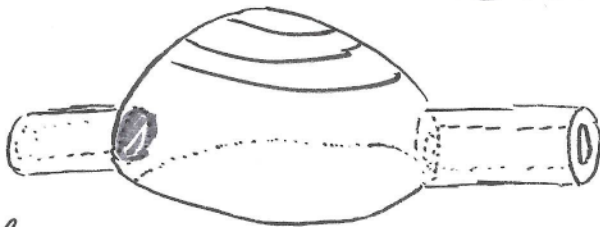


# FOOT PUMP

- materials:
- 1. pin x 6
  - 2. small circular doors in thin metal x 2
  - 3. arterial pressure pump x 1
  - 4. plastic pipes x 2
  - 5. rubber circular joints x 2

steps: 1. cut the left pipe of the pressure pump (3)



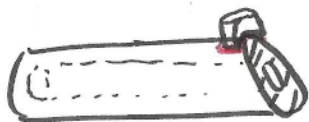
( the opening must be bigger than the size of the pipe )

2. cut the pipe that you obtain with step 1 as follow :



- 3° weld a plastic piece on the top of the pipe as follow

~: weld



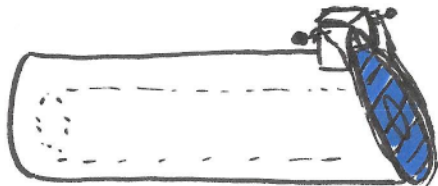
- 4° weld x2 pins to each metal circular door and then drill the pin as follow into the pipe:



x2



- 5° weld a second head to the pin and bend the pins that are weld to the door around the two heads pin. You should obtain this:

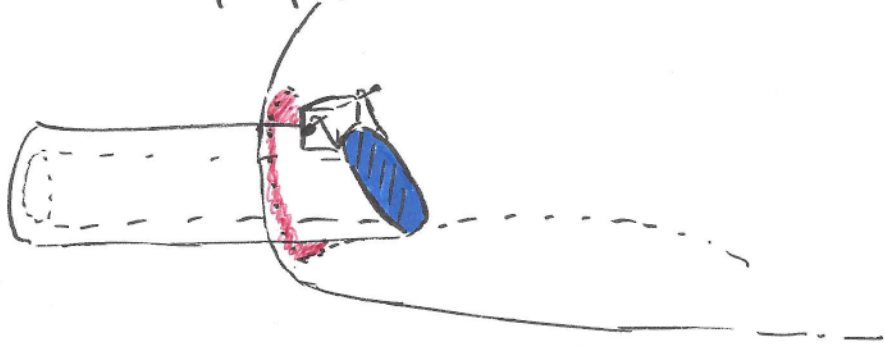


in blue, the door close the pipe and can rotate around the two heads pin

- 6° re-do the steps from 2° to 5° with the pipes that is still attached to the pump (right side)

Optional : you can add joints to the doors (5)

7° insert the left pipe in the hole with his door inside the pump. Then weld it :



8° weld the plastic pipes (4). Now you have a foot pump ready to work !!

