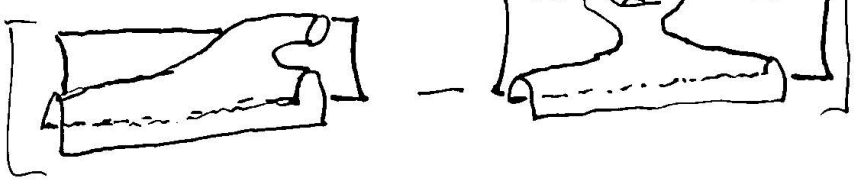
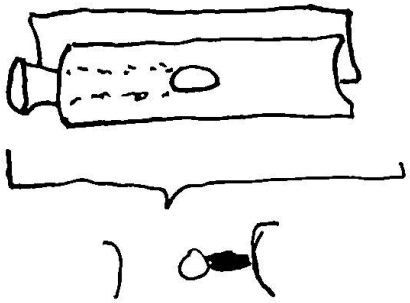
$f =$  $\circ$ c

$=$ 

c 

$=$ 

$= 0$ zero.