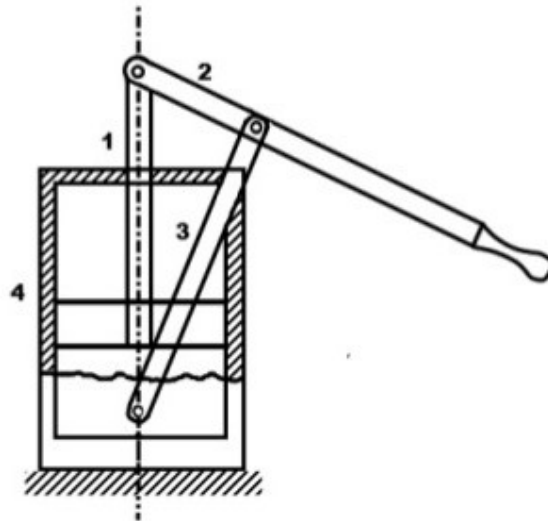


A HAND PUMP SYSTEM
(KINEMATIC DIAGRAM)



THE JOINTS:

- The connection of the fulcrum with the handle
- The handle and the piston
- The piston and the slider
- The fulcrum and the slider

THE LINKS:

- The handle
- The piston
- The slider
- The fulcrum

FOUR-LINK SYSTEM.

INVERSION OF A DOUBLE SLIDER CRANK
MECHANISM.