

(E) is hinged on to the rod. In the left-hand figure the plate is tilted upwards, and it remains in that position while the

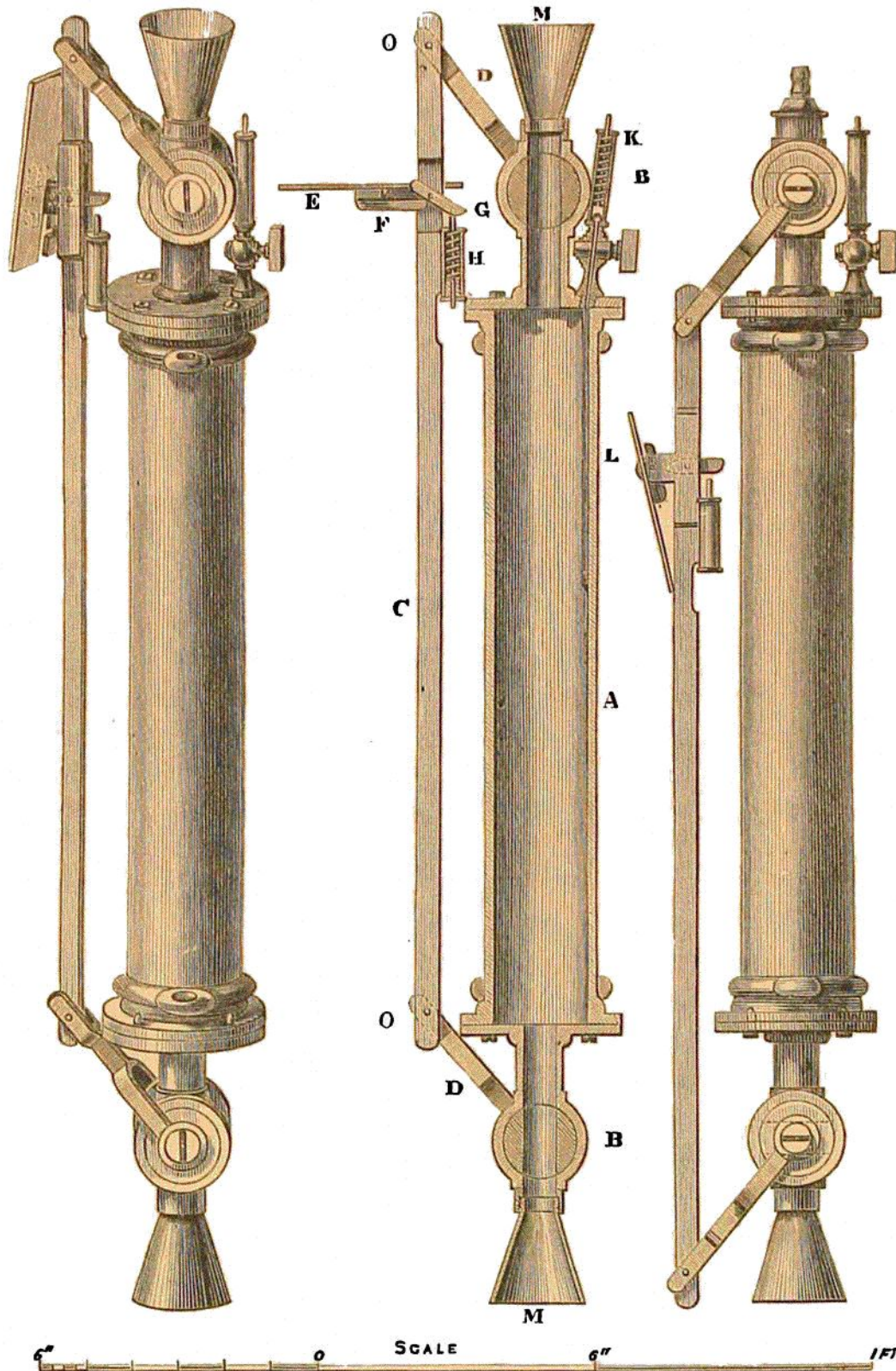


FIG. 161.—BUCHANAN'S STOPCOCK WATER-BOTTLE.

apparatus is being lowered. But as soon as it is pulled upwards the water presses against the plate, tilting it into the position shown in the middle figure; the rod is then forced downwards,