

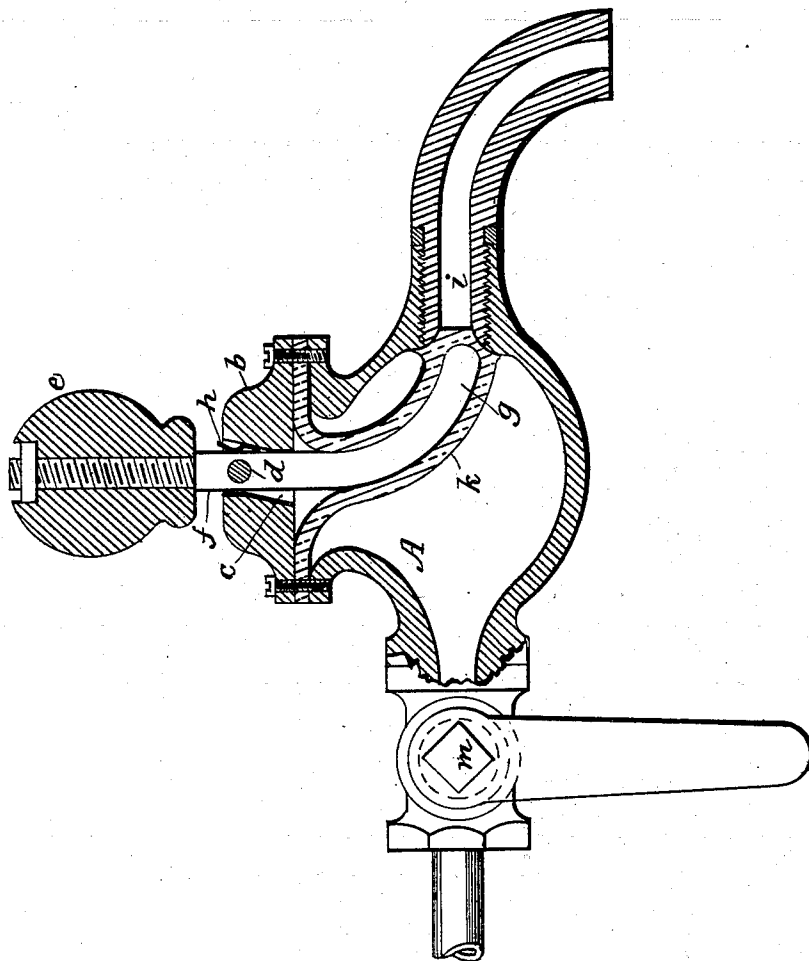
No. 647,848.

Patented Apr. 17, 1900.

W. LANGE.
WATER PLUG.

(Application filed June 16, 1899.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

WILHELM LANGE, OF BERLIN, GERMANY.

WATER-PLUG.

SPECIFICATION forming part of Letters Patent No. 647,848, dated April 17, 1900.

Application filed June 16, 1899. Serial No. 720,862. (No model.)

To all whom it may concern:

Be it known that I, WILHELM LANGE, a subject of the King of Prussia, German Emperor, residing at 41 Steinmetzstrasse, Berlin, Germany, have invented and produced a new Water-Plug, of which the following is a specification.

My invention has reference to a water-plug, and more especially to that class of water-plugs which only allow of the efflux of water as long as the part indrawing the water actuates a handle or lever and which close automatically as soon as the handle or lever is released. An accidental waste of water is thereby absolutely prevented.

My new water-plug, as shown in the accompanying drawing, consists of a suitably-shaped box A, which at its upper part is closed by a slotted cover-plate *b*. Within this slot *c* is pivoted at *d* a lever *f g*, the upper end *f* of which is provided with a handle or knob *e*, and the lower end *g* of which is curved forward, so that its front end lies opposite the bore of the faucet or outlet-pipe *i*. This curved end of the lever is surrounded by a rubber mantle *k*, the upper part of which is fastened between the upper edge of the plug-box and the cover-plate slot in the cover-plate. The front part *g* of the curved lever, with its rubber covering, is pressed against the rim of the faucet *i* by means of a stiff spring *h*, arranged within the slot in the cover-plate, and acts for all practical purposes like a stopper-valve, the rim of the faucet or outlet-pipe serving as a seat. This spring *h* may be entirely dispensed with, in which case the stop of the outflow of water is effected through the water-pressure pressing the lever-arm *g* against the pipe *i*.

By pressing the lever-knob forward the front part of the curved lever is lifted off its seat and water is allowed to pass through and out of the faucet or outlet-pipe until, by letting go the lever-knob, the stiff spring presses the front part of the curved lever against the rim of the faucet or outlet-pipe again, the yielding rubber covering effecting an absolutely air-tight check.

In order to be able to temporarily shut off the water for effecting repairs to the water-plug, an ordinary stop-cock *m* is arranged between the water-plug and the water-main.

I claim as my invention and desire to secure by United States Letters Patent—

The herein-described device, embodying the valve chamber or box A having the stop-cock *m* and curved outlet *i*, the removable plate *b* forming the top of the valve-chamber and slotted as at *c*, the flexible mantle K in said valve-chamber having its free ends retained by the plate *b*, the actuating-rod *f* passed through said plate and pivoted as at *d*, said rod served at its outer extremity with a handle *e* and having its inner portion *g* bent forwardly and inclosed in said flexible mantle, and a spring normally tending to keep said inclosed bent portion *g* pressed against the outlet, hermetically closing the same, substantially as described and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILHELM LANGE:

Witnesses:

HENRY HASPER,
EMIN L. GOLDSCHMIDT.