

(Model.)

E. C. McVOY.

AUTOMATIC MOISTENING DEVICE.

No. 274,804.

Patented Mar. 27, 1883.

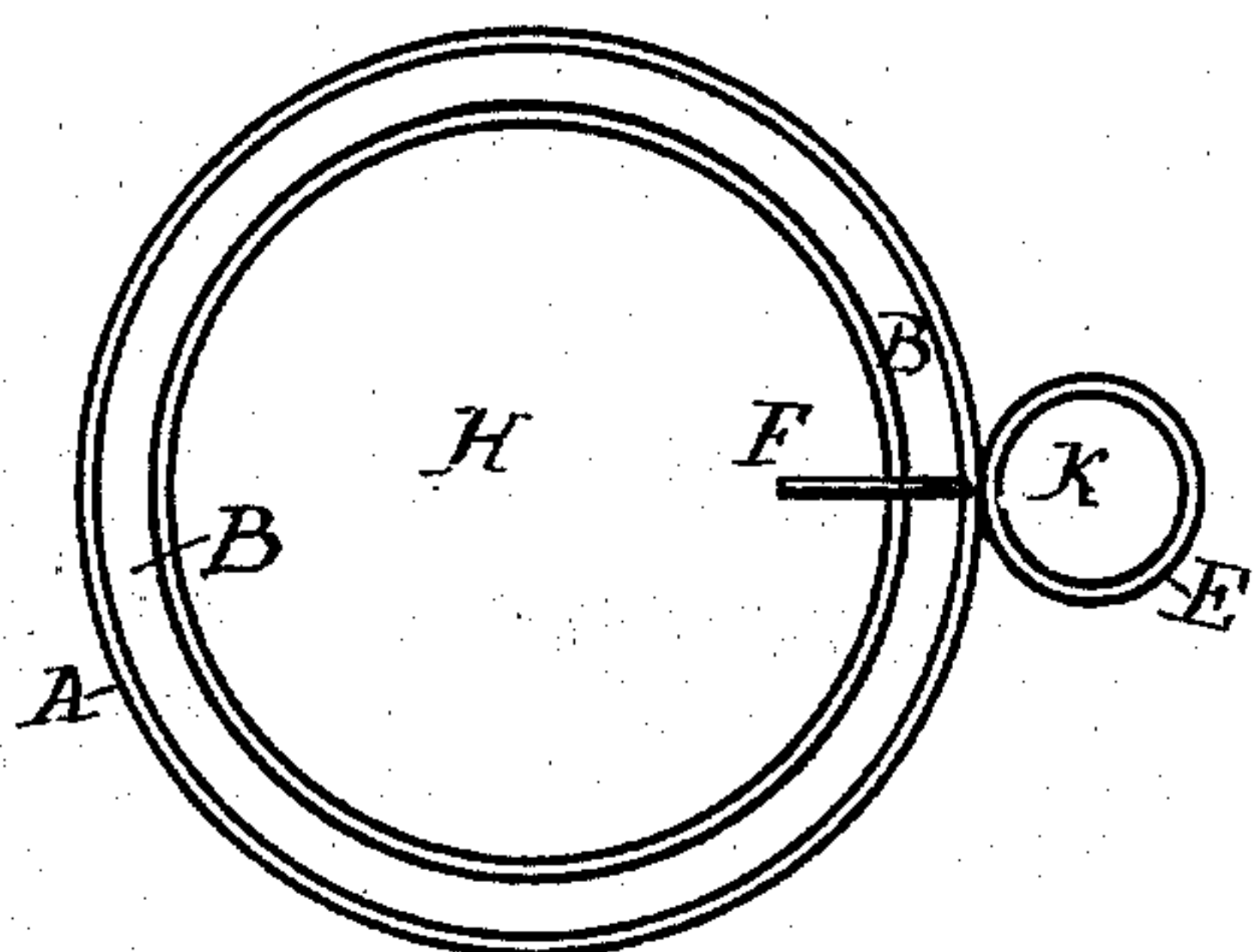


Fig. 1

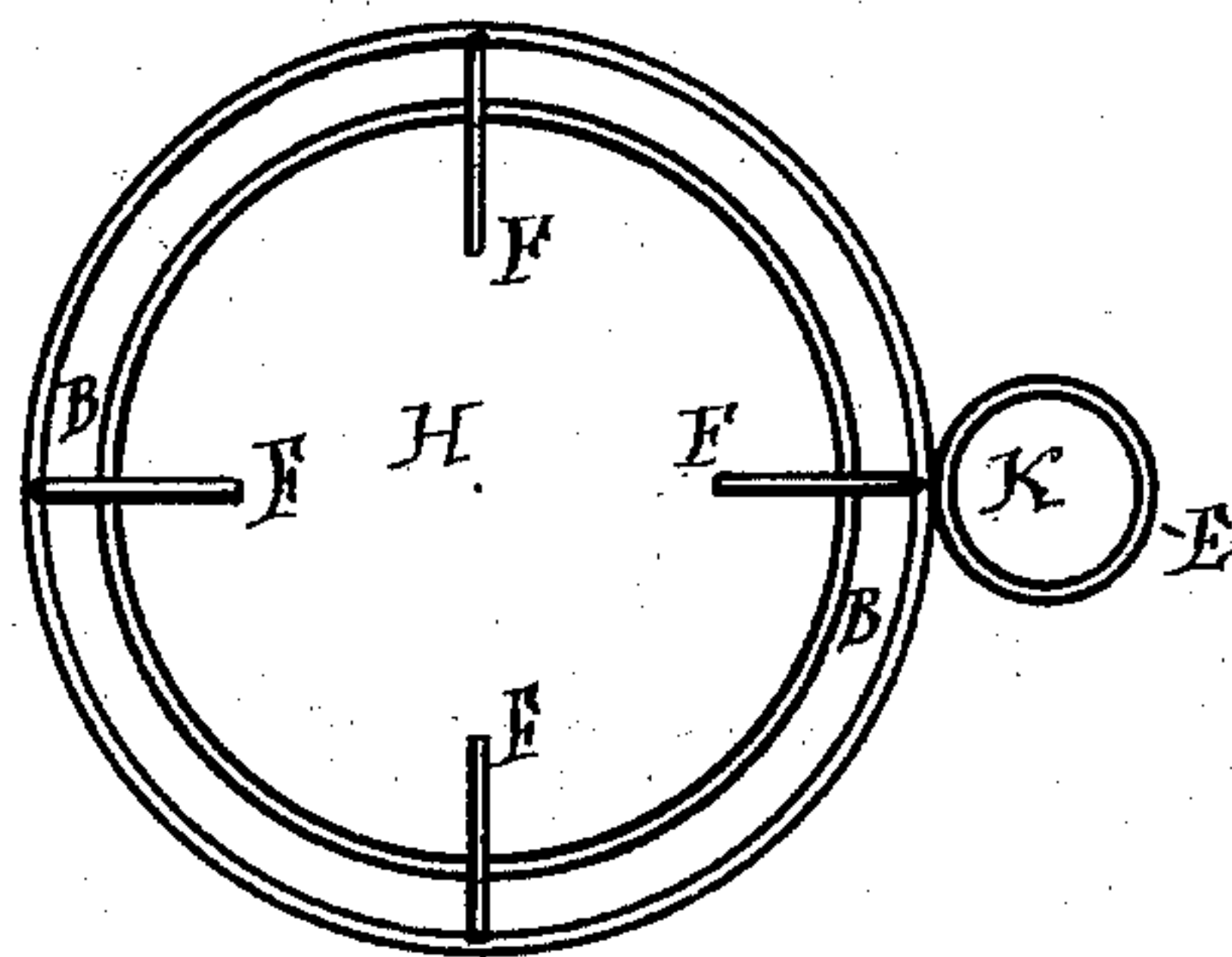


Fig. 3

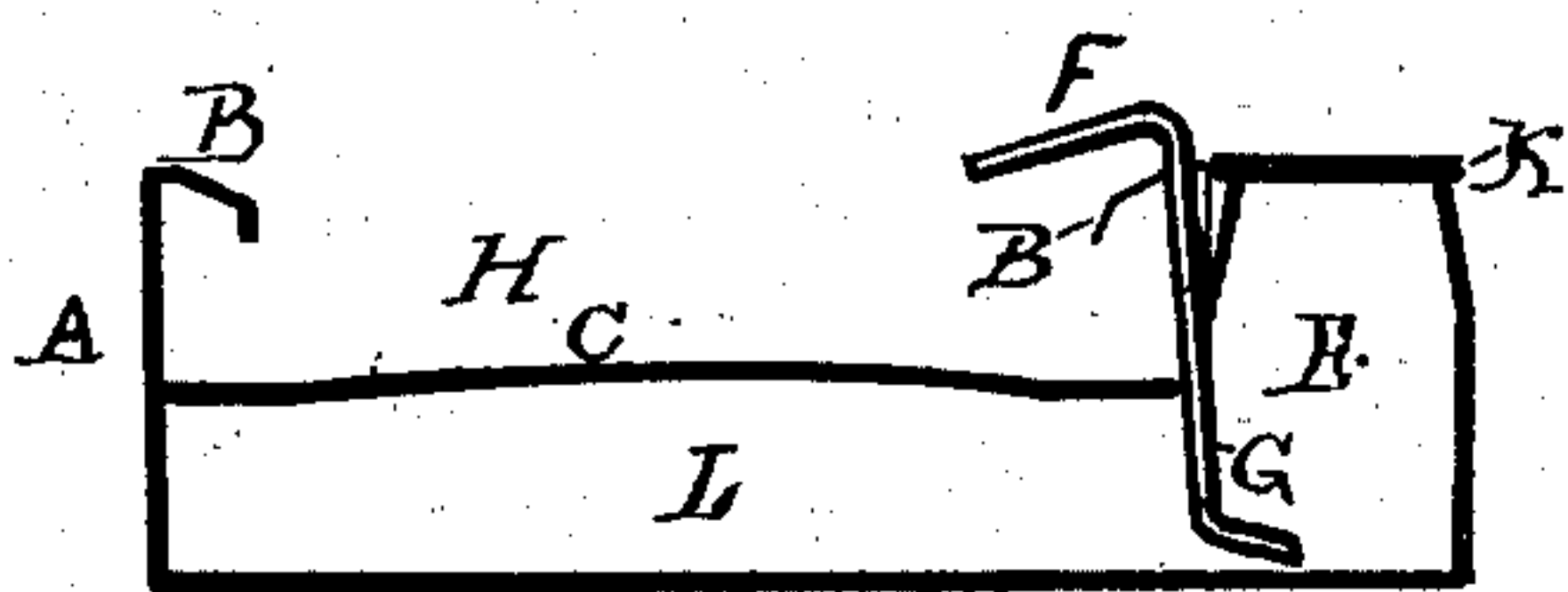


Fig. 2

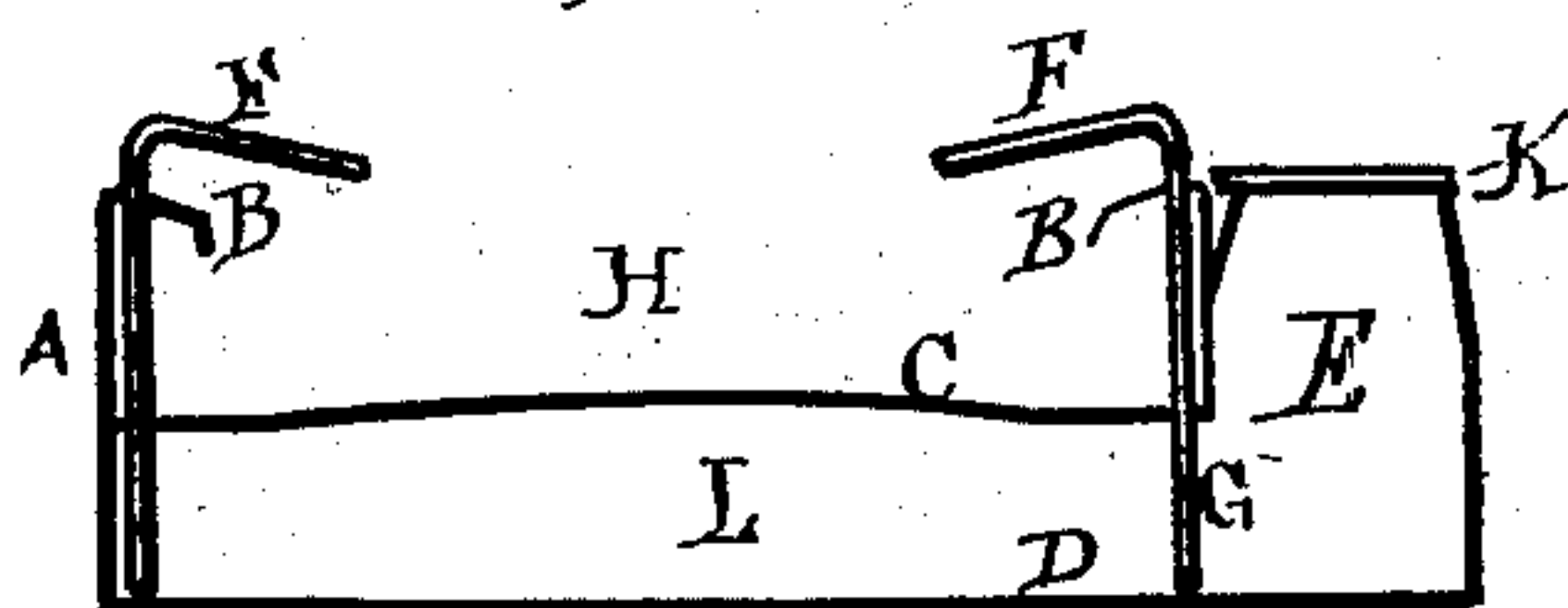


Fig. 4

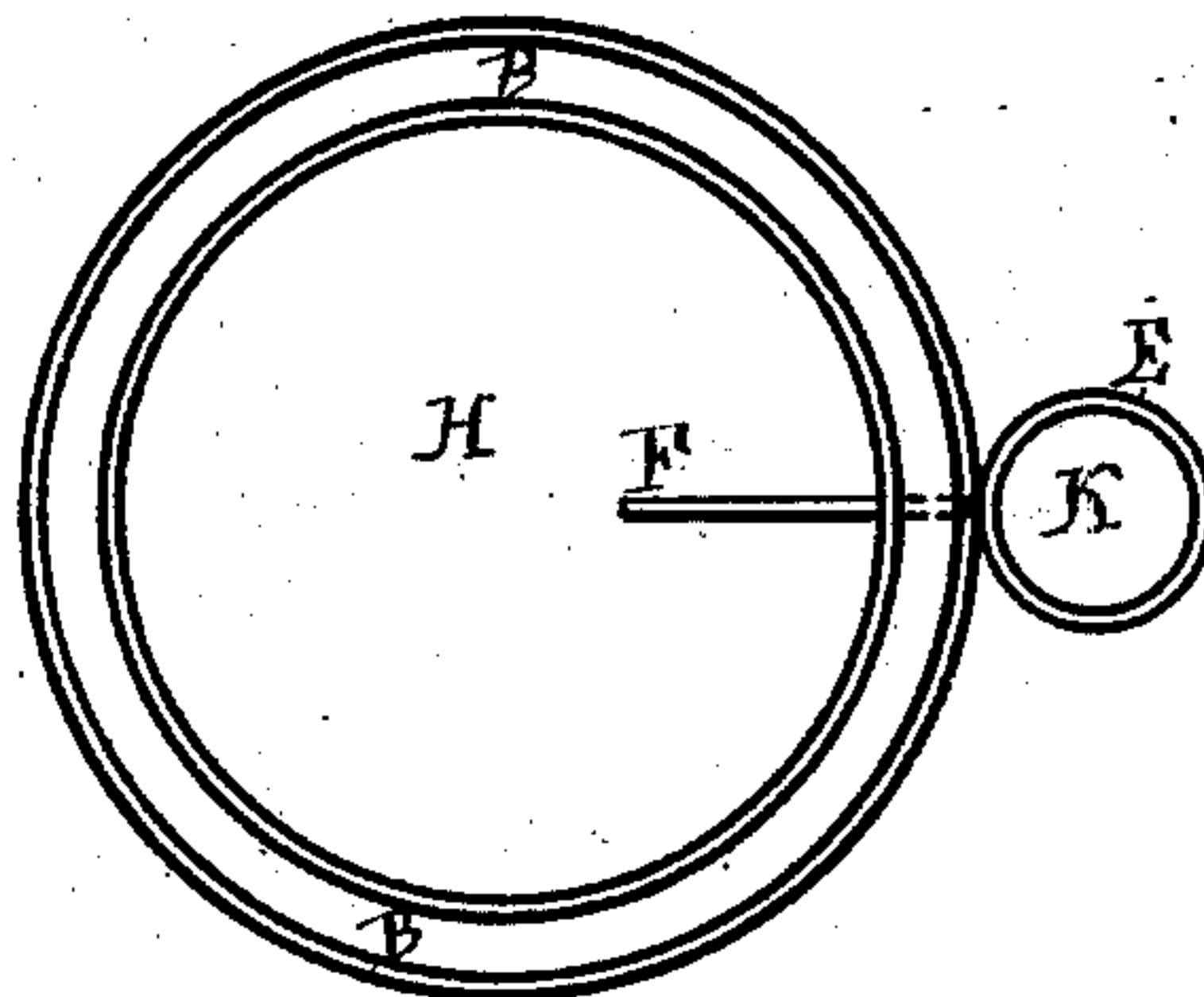


Fig. 5

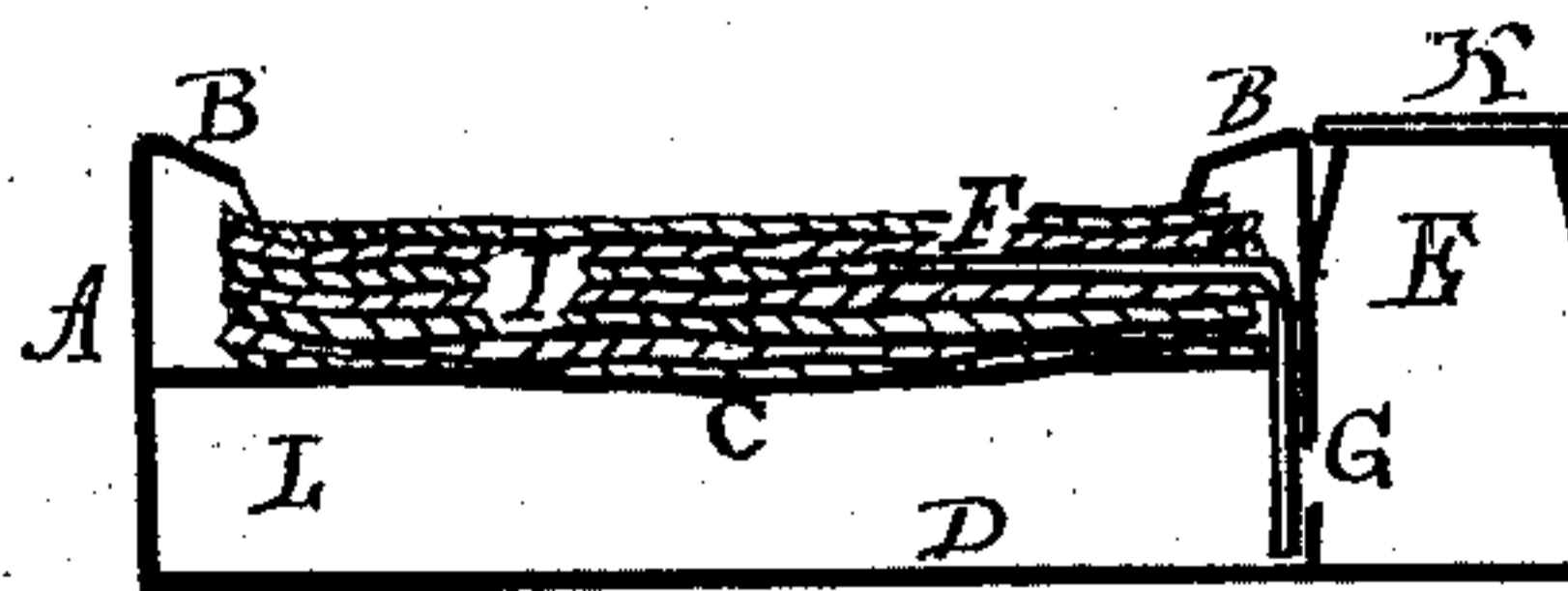


Fig. 6

Witnesses:

J. W. Edgar
J. C. Turner

Edmund Cass McVoy
Inventor

By M. S. Wilson and
Frank A. Fouts.
Attorneys.

UNITED STATES PATENT OFFICE.

EDMUND C. McVOY, OF EASTON, PENNSYLVANIA.

AUTOMATIC MOISTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 274,804, dated March 27, 1883.

Application filed December 11, 1882. (Model.)

To all whom it may concern:

Be it known that I, EDMUND CASS McVOY, a citizen of the United States, residing at Easton, in the county of Northampton and State of Pennsylvania, have invented a new and useful Automatic Moistening Device, of which the following is a specification, viz:

My invention relates to a cup adapted to receive and secure a pad and moisten the same, the objects of the invention being to provide means whereby a pad may be kept moist for wetting the fingers to facilitate the handling of bills and inking hand-stamps and other analogous purposes, all of which will be more fully hereinafter specified. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figures 1, 3, and 5 are plans of different forms of my invention, and Figs. 2, 4, and 6 are views showing the inner structure of the device.

Similar letters of reference indicate similar parts throughout the several figures.

A is the outside case. B is a flange, shaped as shown, so as to keep the liquid from running over the outside by throwing it back onto the pad I, and also so as to hold the pad I in place. D is the bottom. C is the flexible diaphragm. E is the side well for introducing the water, ink, or other liquid into the reservoir L. G is the opening between the side well, E, and the reservoir L. K is the cap or cover of the side well, E. H is the space for the pad, sponge, or other material, which is kept in place by the flange B. F is a small tube extending from the bottom of the side well, E, as in Fig. 2, or of the reservoir L, as in Figs. 4 and 6, into or over the space H, as shown in Figs. 6 and 2 and 4, respectively.

In Fig. 6, I show one form of pad. In the other figures the pad, sponge, or other material are omitted for clearness, as they are not essential in showing my invention. The bottom D or flexible diaphragm C may each be curved either up or down without departing from the principle of my invention, the object being to effect, by compression, action on the liquid in the reservoir L, whereby said liquid

is forced through the tube F onto the face of the pad.

The tube F may be arranged in various ways. There may be but one tube, as shown in Figs. 1 and 2 and 5 and 6, and this tube may be placed at the side next the side well, as shown in these figures, or at any other part. It may come up over the top of the pad, sponge, or other material, as in Figs. 1 and 2, or run into the same, as shown in Fig. 6; or there may be four tubes, as shown in Fig. 3; or there may be any greater or less number, as may be found desirable.

The operation of the apparatus is as follows, viz: The reservoir L is filled with water, ink, or other liquid through the side well, E, first taking off the cap or cover K, the liquid running into the reservoir through the opening G. Then, the cap or cover K being replaced, the reservoir L and side well, E, are air-tight, and a pressure with the fingers upon the bottom D or flexible diaphragm C, as the case may be, causes the liquid to rise up through the tube F and be thrown into or upon the pad, sponge, or other material in the space H. When the pad, sponge, or other material is saturated to the proper amount, the same is ready for use in moistening the fingers with water for counting bank-bills, softening the gum or mucilage on envelopes and stamps, inking hand-stamps, dies, or other use, as the case may be.

When constructed as in Figs. 1 and 2 and Figs. 3 and 4 the liquid may be forced through the tube F upon the sponge or other material, without removing the device from the desk or table, by simply pressing with the fingers upon the center of the top of the pad, sponge, or other material in the space H. Either of these forms I deem preferable when the apparatus is to be used for purposes not similar to inking hand-stamps, for the constant blows or pressure of the stamp would throw too much ink upon the pad. For such purposes I consider the form shown in Fig. 6 preferable.

The side well, E, may be placed as shown in the drawings; but it is clearly apparent that any particular position or form thereof is not

an essential part of my device and invention.
All that is necessary is to afford a means to
introduce the liquid that may be closed air-
tight, and any other device may be used for
5 this purpose.

What I claim as my invention, and desire to
secure by Letters Patent, is as follows, viz:

A device for moistening pads, consisting of
the case A, bottom D, and flexible diaphragm

C, whereby the reservoir L is formed, the side 10
well, E, and tubes F, the case A being pro-
vided with flange B, substantially as described,
and for the purposes set forth.

EDMUND CASS McVOY.

Witnesses:

JOHN EVANS,

RUSSELL C. STEWART.