

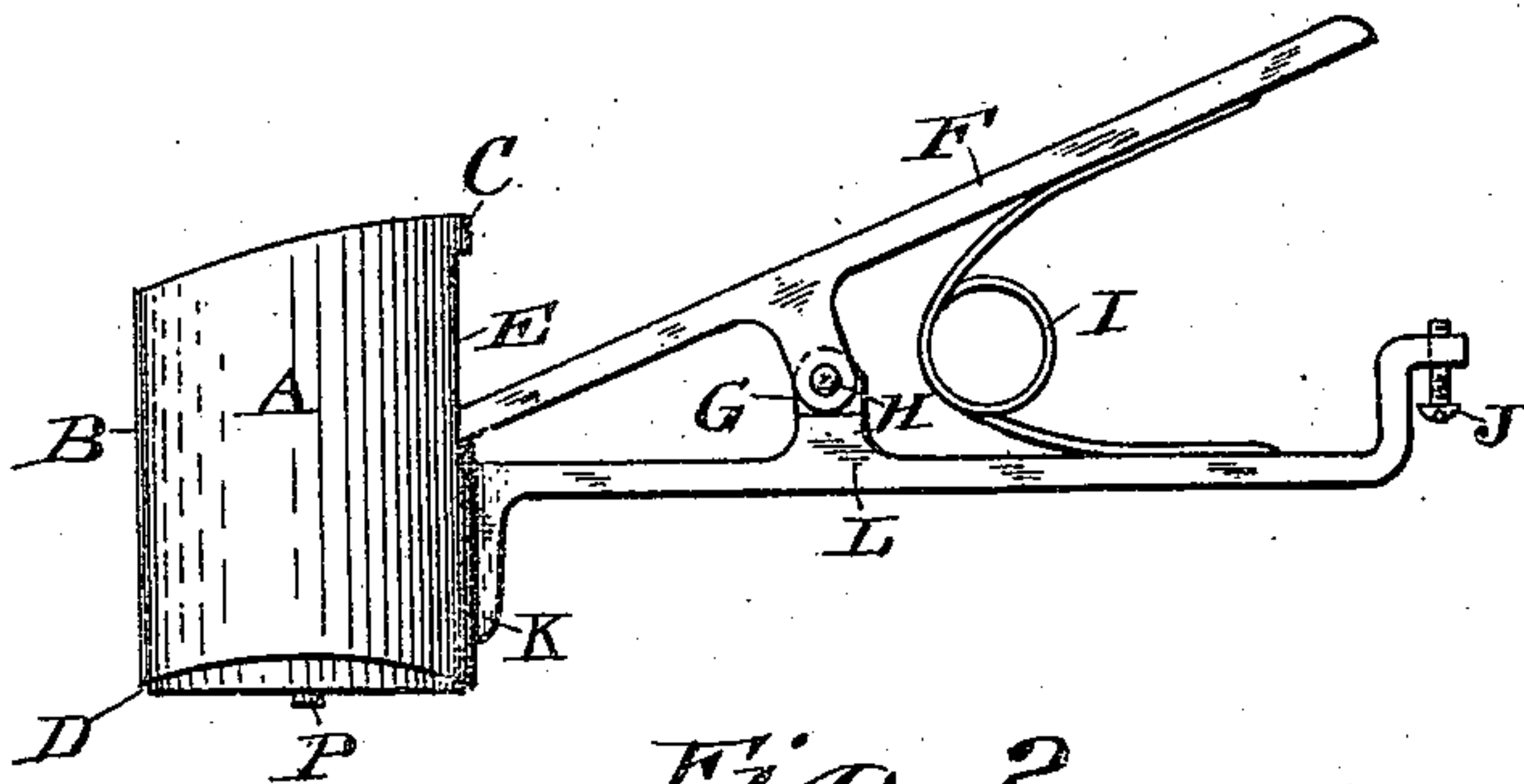
(No Model.)

H. M. O. THODE.  
DIPPER.

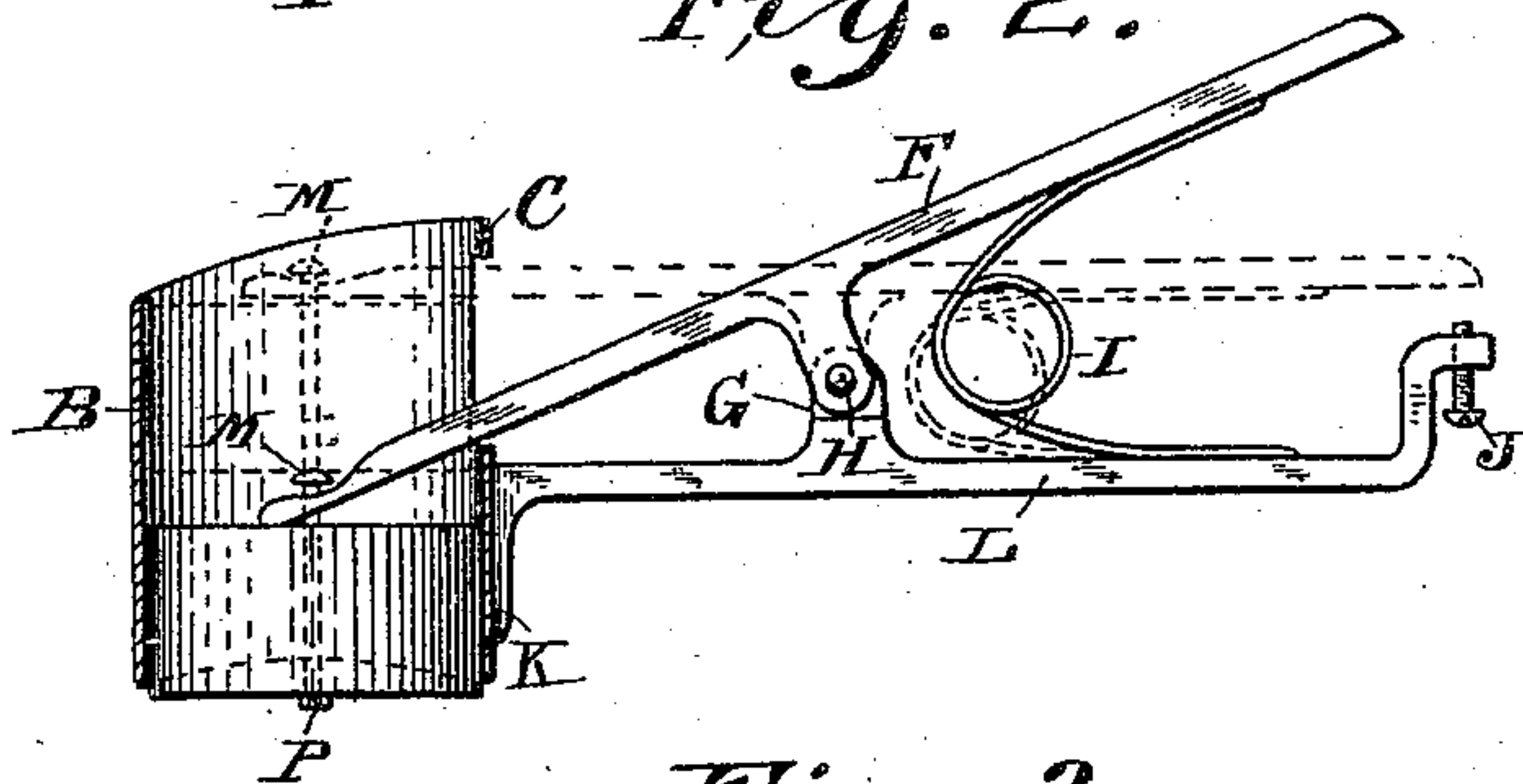
No. 554,550.

Patented Feb. 11, 1896.

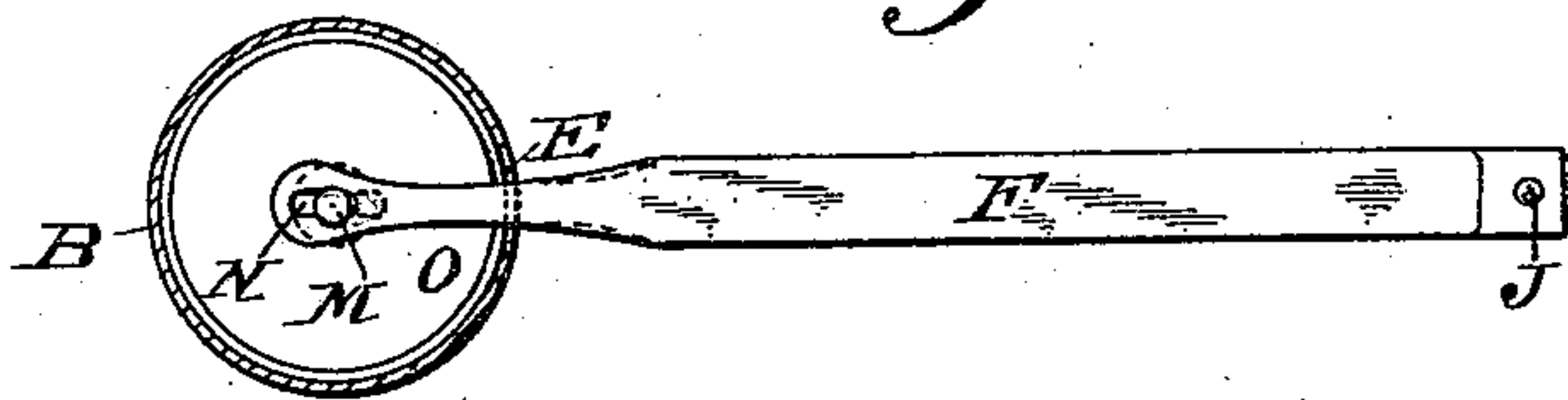
*Fig. 1.*



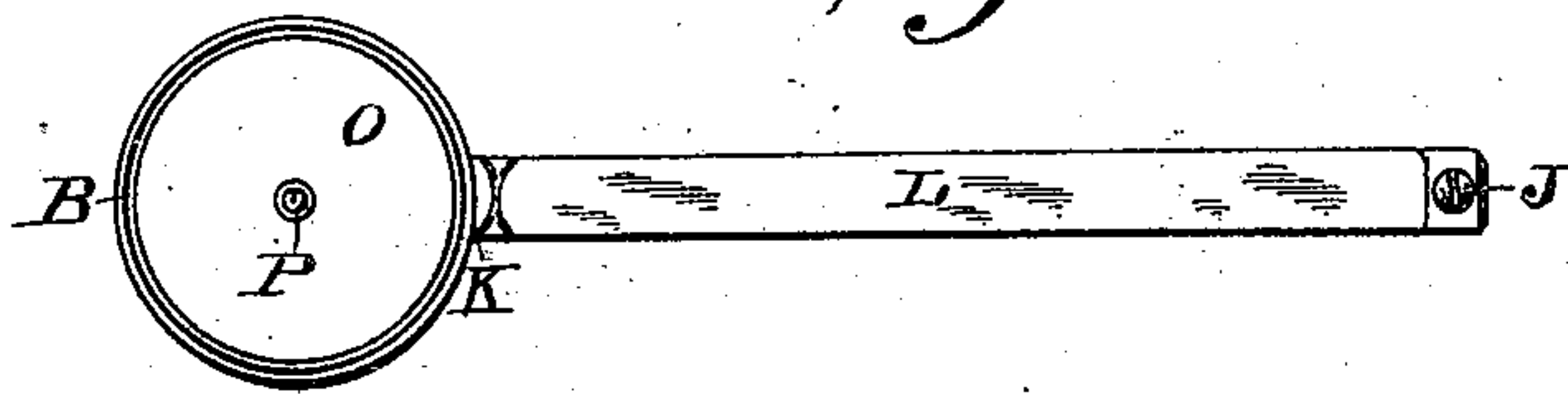
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses

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# UNITED STATES PATENT OFFICE.

HANS M. O. THODE, OF MATTOON, ILLINOIS.

## DIPPER.

SPECIFICATION forming part of Letters Patent No. 554,550, dated February 11, 1896.

Application filed July 8, 1895. Serial No. 555,283. (No model.)

*To all whom it may concern:*

Be it known that I, HANS M. O. THODE, of Mattoon, in the county of Coles and State of Illinois, have invented certain new and useful Improvements in Dippers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the letters of reference marked on the accompanying drawings, which form a part of this specification.

My invention relates to certain new and useful improvements in dippers, and particularly those used in ice-cream saloons and at soda-fountains.

The objects of my improvements are to provide means whereby the contents of the dipper can be readily forced therefrom into the desired receptacle and also means whereby the capacity of the dipper can be regulated as desired. I attain these objects in the manner illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of my improved dipper. Fig. 2 is a similar elevation, partly in section, showing the elevated position of the plunger by means of dotted lines. Fig. 3 is a top plan view of the dipper. Fig. 4 is a plan view looking from below.

Similar letters of reference designate similar parts throughout the several views.

The dipper is designated by the letter A.

B represents a cylindrical cup, the top of which is curved at C and the bottom is of an elliptical form, as shown at D. The cup is also provided with a vertical slot E to receive the lever F.

F designates a lever fulcrumed at G to the handle L and having a slot N in the inner end thereof.

H denotes a pin passing through the lever F and the handle L to secure them together.

I indicates a spring having a loop in the center and outwardly-extending ends which press upon the inner sides of the lever F and the handle L whereby they are forced apart.

J denotes an adjusting-screw passing through a hole in the outturned end of the handle L and adapted to regulate the downward movement of the lever F.

L represents the handle of the dipper, which

is provided at one end with a projection K by means of which it is attached to the cup B, the outer end being bent upwardly and outwardly, forming the shoulder or abutment for the lever F.

M designates a headed pin passing through the slot N in the inner end of the lever F and through the plunger O, and being riveted at its lower end at P.

O represents a plunger which is constructed to move vertically within the cylindrical cup B and is attached to the inner end of the lever F by the pin M.

The operation of my improved dipper is as follows: The lever and handle are grasped by the hand and forced together, thereby elevating the plunger, as is shown by dotted lines in Fig. 2. The dipper is then filled in the usual manner and is held over the vessel into which the contents are to be deposited. The grip or pressure is then released from the lever and the lever is forced outwardly from the handle, thereby depressing the plunger and forcing the contents of the dipper into the desired vessel.

This improved dipper may be made of various sizes and from different materials.

By means of the adjusting-screw J this dipper can be made to measure different quantities.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination in a dipper, a cup, a plunger adapted to move vertically within the said cup, a handle attached to the cup and a lever attached to the plunger whereby the latter is actuated to empty the cup.

2. The combination in a dipper a cup, a plunger adapted to move vertically within the cup, a handle secured to the cup and having adjusting device to regulate the capacity of the cup, a lever and connections between the lever and the handle, whereby the latter is actuated.

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

HANS M. O. THODE.

Witnesses:

ABRAM SPILTER,  
LOUIS R. NOBLE.