

(No Model.)

H. M. HINSDILL.
SPRING CATCH.

No. 414,217.

Patented Nov. 5, 1889.

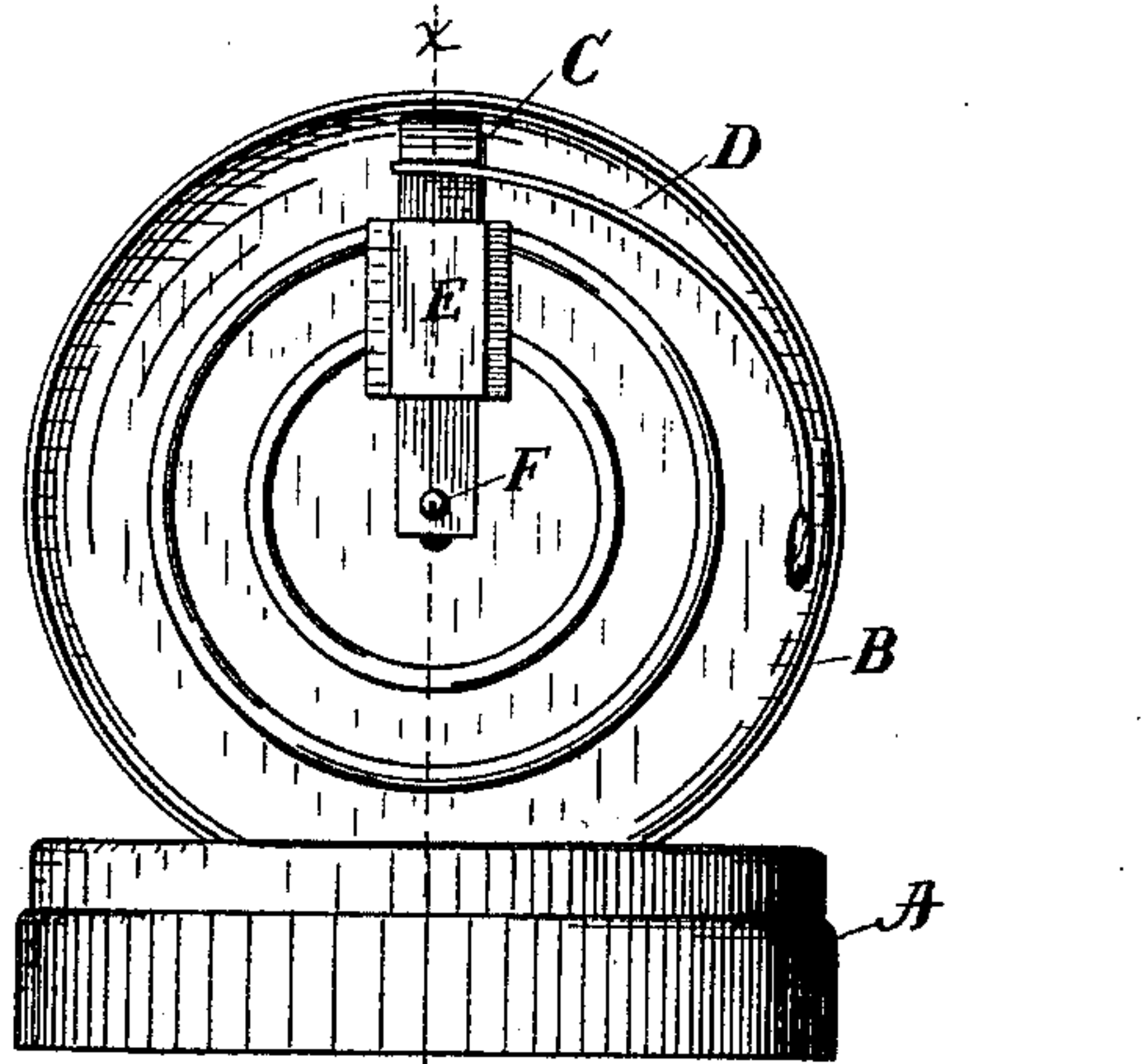


FIG. 1.

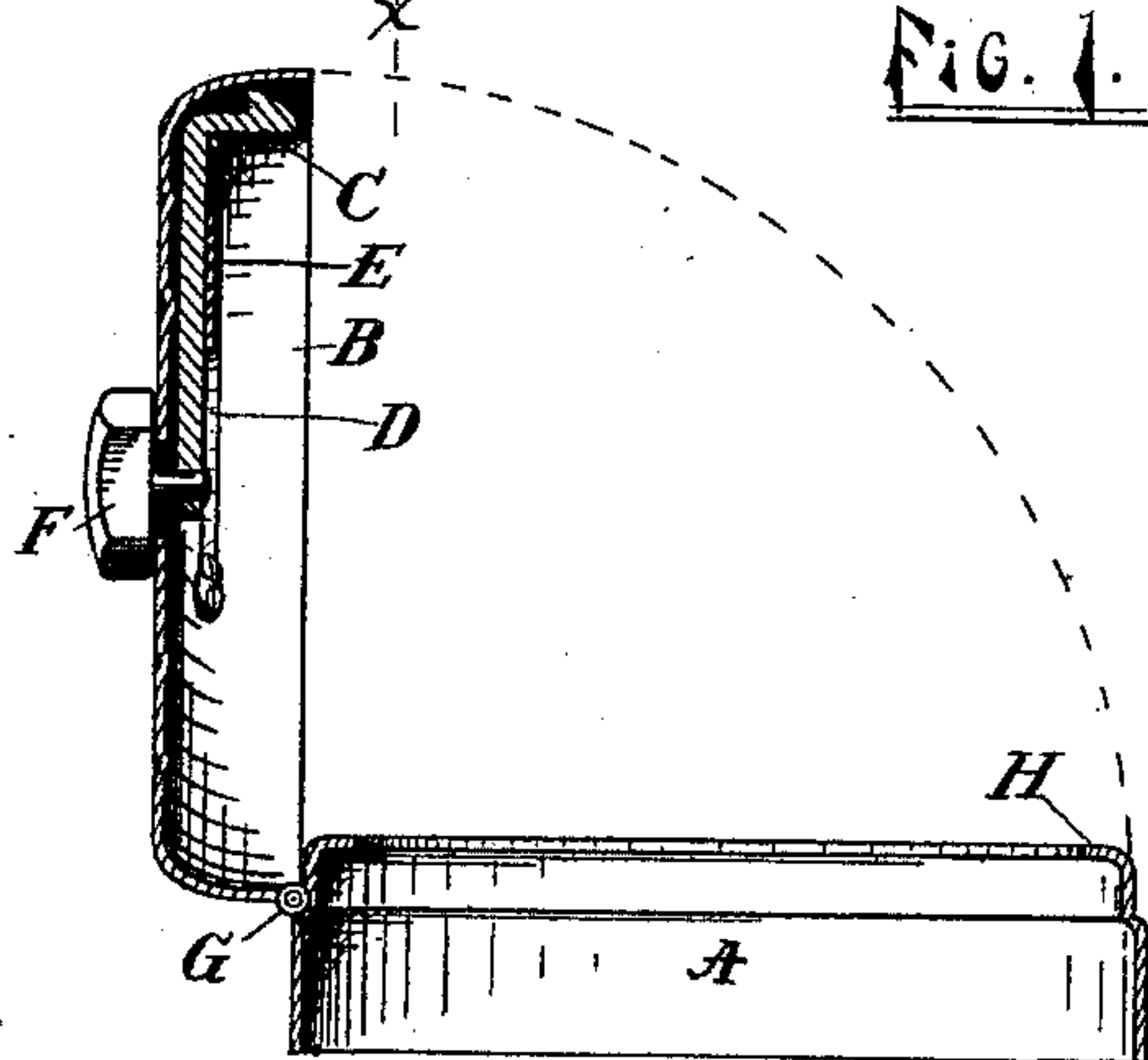


FIG. 2.

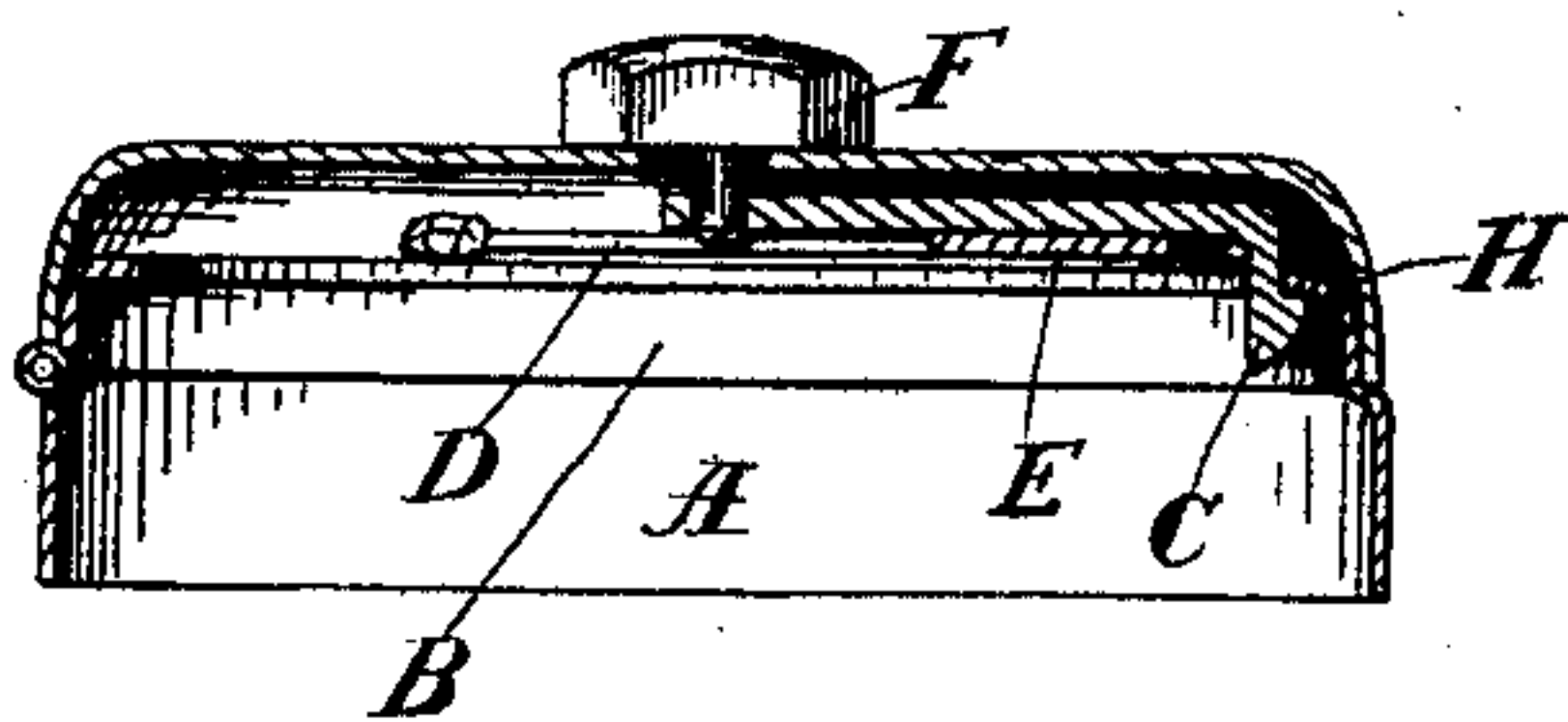


FIG. 3

Witnesses

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UNITED STATES PATENT OFFICE.

HENRY M. HINS DILL, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO WILLIS B. WILLARD, OF SAME PLACE.

SPRING-CATCH.

SPECIFICATION forming part of Letters Patent No. 414,217, dated November 5, 1889.

Application filed February 11, 1889. Serial No. 299,447. (No model.)

To all whom it may concern:

Be it known that I, HENRY M. HINS DILL, a citizen of the United States, residing at the city of Grand Rapids, in the county of Kent and State of Michigan, have invented a certain new and useful Spring-Catch, of which the following is a specification.

My invention relates to a spring-catch for various kinds of receptacles, and is especially adapted for the cover to the cylinder of my portable copying-press patented to me September 22, 1885, and numbered 326,651.

The invention consists in the construction and arrangement of parts particularly described and claimed in this specification.

The object of my invention is to provide a cheap, durable, and secure catch for receptacle-covers, and especially of the class named above. This object I accomplish by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of the end piece of the cylinder of my portable press with the cover lifted, showing the arrangement of the catch and operating-spring. Fig. 2 is a vertical sectional view on line $x x$ of Fig. 1, and Fig. 3 is a sectional view on the same line with the lid closed.

Similar letters refer to similar parts throughout the several views.

A represents the receptacle, and B the receptacle-cover, hinged at G in any suitable manner. The receptacle A is preferably provided with a shoulder, as shown in the drawings.

C is the catch proper, which is provided with the hook, as shown in Fig. 2, and a shank, which, as shown in the drawings, lies close to the inner surface of the cover B and extends to the button F at or near the center of the cover, which button is provided with a pin, which pin passes through a slot in the case and is attached to the shank of the catch C. The shank of the catch is held in position by the sleeve E and has a longitudinal movement

within said sleeve. The catch C is pressed into locking position by means of the spring D, which spring I prefer to attach at one end to the inner surface of the cover by solder, as shown in Fig. 1. The other end presses against a shoulder on the catch C. In the drawings I have shown a shoulder made by the bent form of the catch.

H is the outwardly-bent portion of the receptacle with which the catch C engages. The form and shape of the button may be varied, the form not being material.

The operation of my invention is as follows: Shut the cover and press lightly thereon, and the beveled portion of the catch C, coming in contact with portion H, presses the catch back until the hook passes beneath said portion H, when the spring D presses the hook into engagement with the curved part H and the cover is locked. The cover is unlocked by pressing on the button with the thumb or finger in the direction to withdraw the hooked part of catch C from engagement with portion H.

Having thus described my invention, what I claim to have invented, and desire to secure by Letters Patent, is—

The combination of a receptacle A, having an inwardly-projecting flange-shoulder H, with the hinged cover B, having the sleeve E, the hooked catch C, having a shank arranged in the sleeve and self-engaging with the shoulder, the curved spring D, having one end fastened to the cover and the other end bearing against the hooked catch, and the button F, engaging the shank of the hooked catch, substantially as described.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

HENRY M. HINS DILL. [L. s.]

Witnesses:

HUGH E. WILSON,

HARRY P. VAN WAGNER.