

No. 668,703.

Patented Feb. 26, 1901.

J. E. YOUNG.  
MOP WRINGER.

(Application filed May 18, 1900.)

(Model.)

Fig. 1.

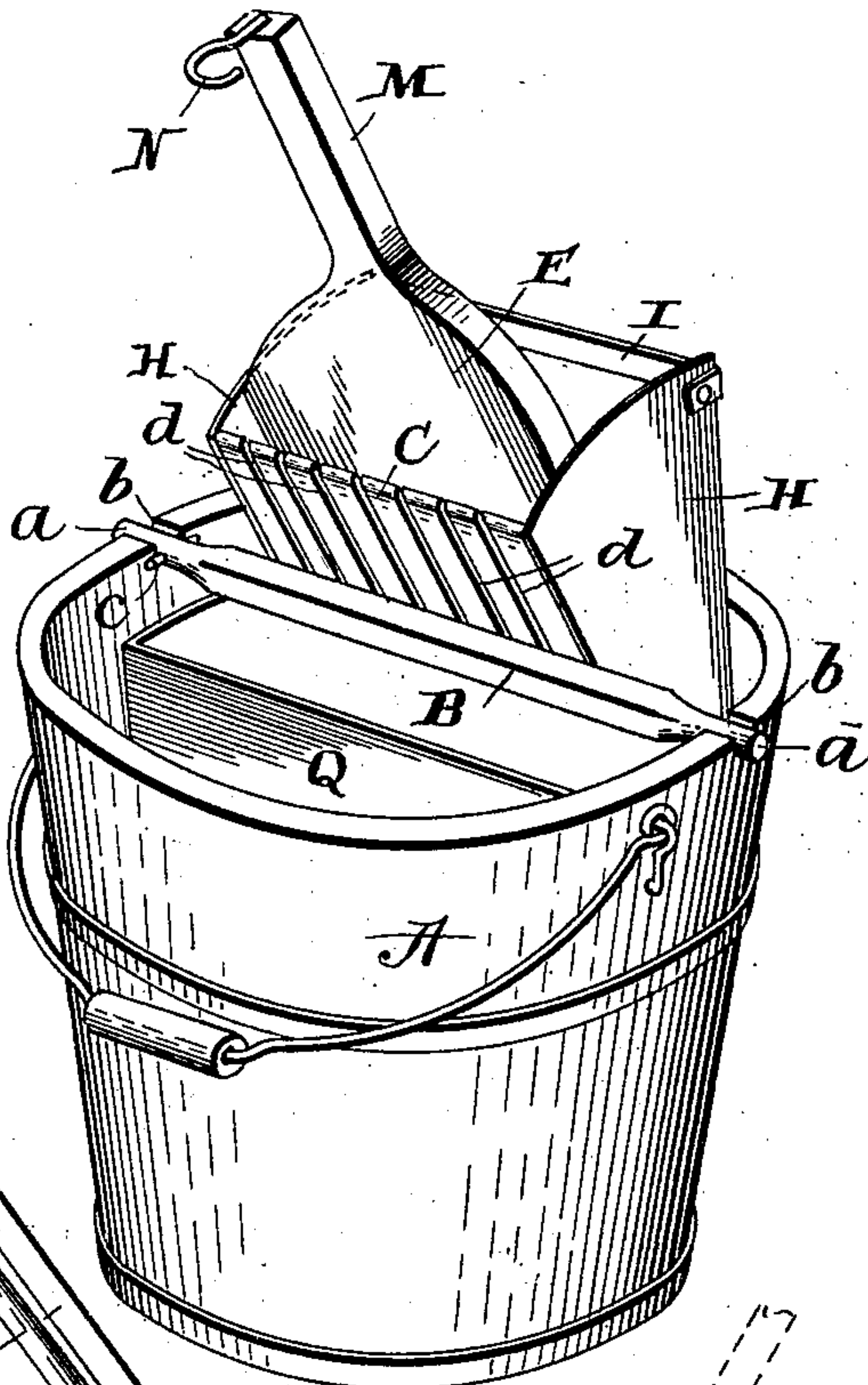


Fig. 2.

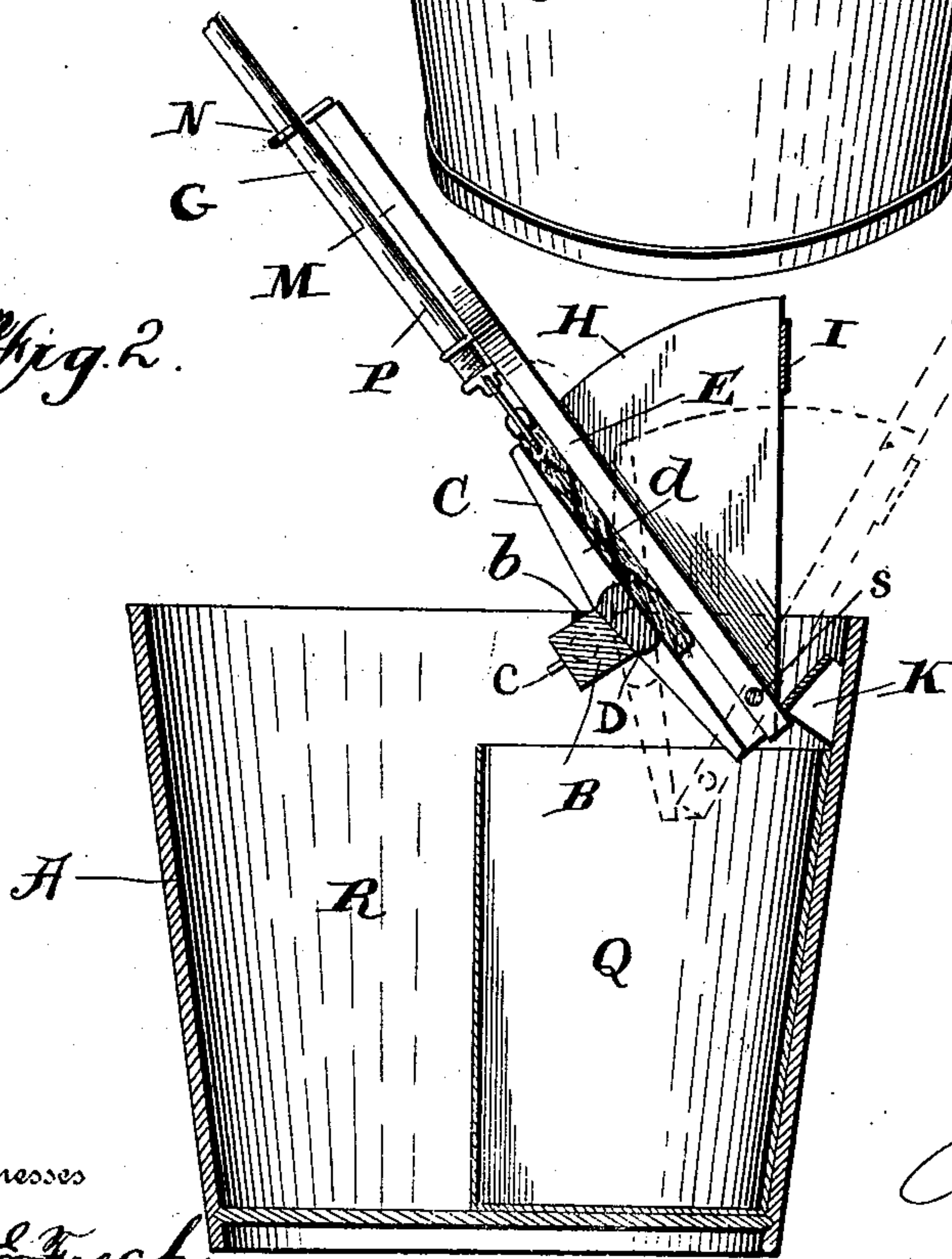
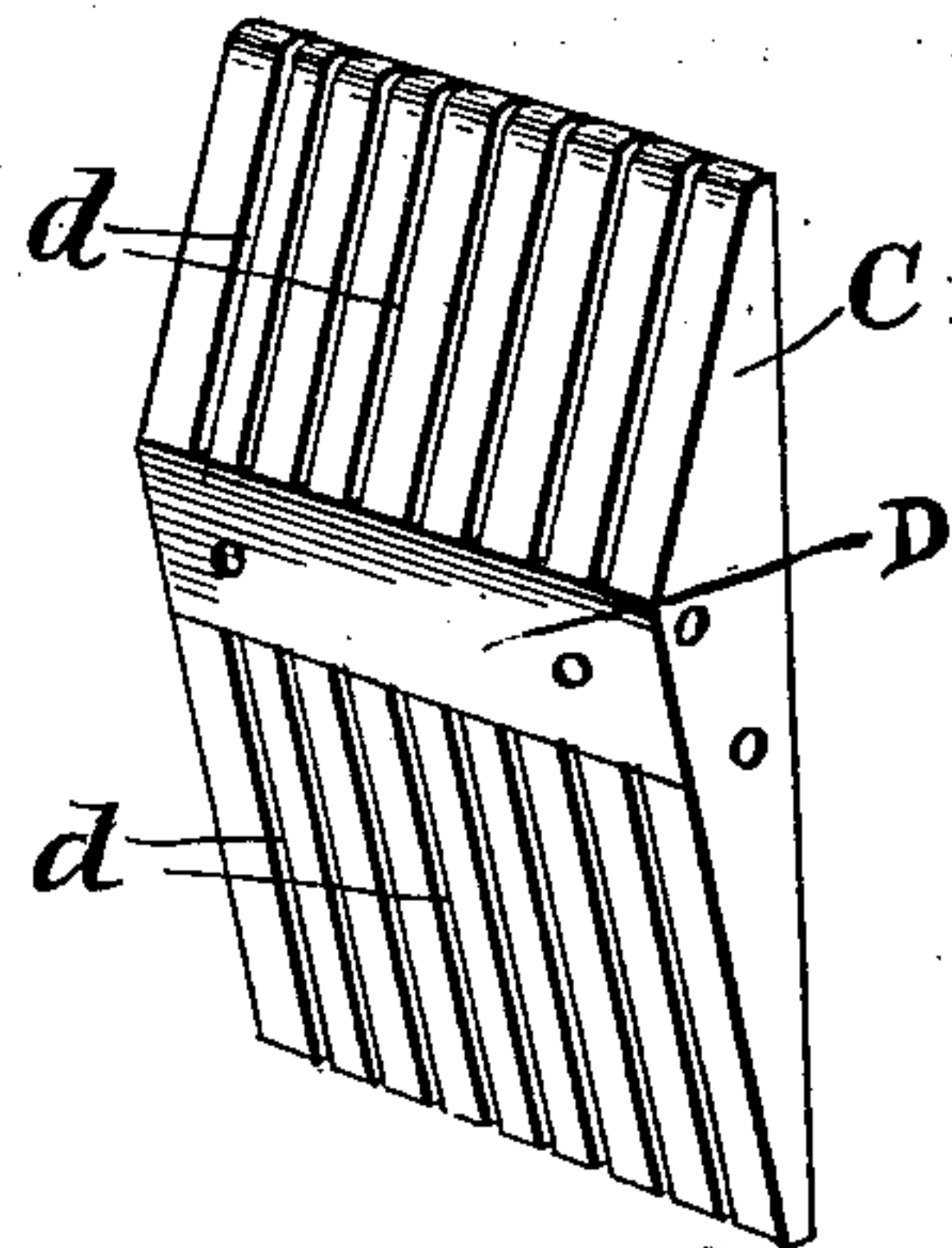


Fig. 3.



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# UNITED STATES PATENT OFFICE.

JAMES E. YOUNG, OF WAYLAND, NEW YORK.

## MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 668,703, dated February 26, 1901.

Application filed May 18, 1900. Serial No. 17,140. (Model.)

*To all whom it may concern:*

Be it known that I, JAMES E. YOUNG, a citizen of the United States, residing at Wayland, in the county of Steuben and State of New York, have invented new and useful Improvements in Mop-Wringers, of which the following is a specification.

My invention relates to improvements in mop-squeezers, and pertains to a squeezer adapted to be placed upon a bucket or support and by a depression upon the handle of the mop to squeeze the mop, all of which will be fully described hereinafter and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a mop-squeezer embodying my invention, the same being shown in position upon a bucket or pail, the mop in position therein, and the parts being shown in the act of squeezing the mop. Fig. 2 is a vertical sectional view of my invention, showing it in position upon a pail or bucket. Fig. 3 is a detached view of the squeezing member C.

Referring now to the accompanying drawings, A is a support for my mop-squeezer, the support being hereshown in the form of a pail or bucket.

The mop-squeezer proper consists of an oscillating bar B, which has its ends *a* rounded and adapted to fit in curved recesses *b*, made in the upper edge of the pail or support, and the bar B is provided with laterally-projecting stop-pins *c*, adapted to engage the inner sides of the pail or support for the purpose of holding the oscillating bar B against endwise movement and to thereby maintain the bar in its proper relative position upon the support or pail.

Attached to the oscillating bar B is a squeezing board or bottom C, which is preferably provided with longitudinal slots *d* for the passage of the dirty water which is being pressed from the mop. These slots, as clearly shown in Fig. 3, extend in opposite directions from a central solid portion D, the said solid portion D being attached to the bar B by means of bolts or screws.

A cooperating pressing or squeezing member E has its lower end pivotally connected with the side boards H at the lower end of the squeezing-board C at the point *s* and is

adapted to be forced toward the board C by means of the mop-handle G, as will appear more fully hereinafter.

Projecting outward from opposite edges of the squeezing-board C are the side boards H, which may be formed either of metal or wood; but preferably of metal. The side boards H serve the function of preventing the flying of the dirty water under the squeezing action and to confine it within a practically-closed space. For the purpose of limiting the outward movement of the mop-operating member E, as shown in dotted lines, Fig. 2, and also for the purpose of bracing the upper and outer edges of the side boards H a metallic or other connecting-strap I is connected therewith.

The pail or support A for the mop-squeezer is provided with a stop K, against which the lower end of the member E abuts when the device is carried into the squeezing position and holds the parts while the squeezing operation is being performed. This stop K is here shown as consisting of a strap which is connected, by means of bolts at its ends, with the pail or support A.

Projecting from the outer end M of the member E is a hook N, which is adapted to be caught under the mop-handle P, as clearly shown in Figs. 1 and 2.

It will be noted that the mop-operating member E is elongated, as compared with the coacting squeezing member C, whereby considerable leverage is provided for the squeezing operation.

In squeezing the mop the same is placed between the members C and E and the mop-handle P placed in the hook N. A downward pressure upon the mop-handle will cause the member E to be drawn toward the member C, and a further depression upon the mop-handle will rock the complete device by oscillating the bar B until the lower end of the member E comes in contact with the stop K upon the support or pail A, when any reasonable amount of pressure can be given to the mop-handle for the purpose of squeezing the mop, which is between the members E and C, as will be readily understood. In this way the dirty water is squeezed or pressed from the mop.

For the purpose of keeping the dirty water



separate from the clean water in the pail where a pail is used as a support for the squeezer I provide a separate dirty-water receptacle Q, which fits within the pail A and occupies only a portion thereof, thus dividing the pail into a chamber R for clean water and a chamber constituted of the dirty-water receptacle Q for receiving the dirty water which is squeezed from the mop. In this way the operator is always enabled to use clean water for the scrubbing operation, and thus prevent the necessity of using over and over the same dirty water, as is usual in the use of a mop.

My mop-squeezer is adapted to be attached to any pail by forming a bearing for the ends of the bar B at the upper edge of the pail and providing an inwardly-extending stop for the lower end of the outer squeezing member E. Attention is also directed to the fact that my mop-squeezer is readily detachable from the pail by simply lifting it therefrom, which enables the dirty-water receptacle Q to be removed from the pail when desired for the purpose of emptying it or for the purpose of placing it in position within the pail.

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

1. A mop-squeezer, comprising a support, upper and lower squeezing members, the lower member adapted to oscillate upon the

said support, a connection located between and joining the lower ends of the said members, a mop-handle-engaging member carried by the free end of the upper squeezing member, and a stop carried by the support for limiting the oscillating movement of the members, substantially as described.

2. A mop-squeezer comprising a support, an oscillating bar mounted therein, a squeezing member carried thereby having side plates, a second squeezing member pivoted to the said side plates, said member carrying a mop-handle-engaging member, and a stop carried by the support against which the members are adapted to oscillate, substantially as described.

3. A mop-squeezer comprising a pail or support, a stop carried thereby, an oscillating bar B having its ends journaled upon the upper end of the pail or support, two squeezing members, one of said members being rigidly connected with the bar B, and a connection located between and joining the lower ends of said squeezing members, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JAMES E. YOUNG.

Witnesses:

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S. A. MORRIS.