

(No Model.)

W. H. CLOUD.
ROTARY BRUSH.

No. 455,658.

Patented July 7, 1891.

Fig. 1.

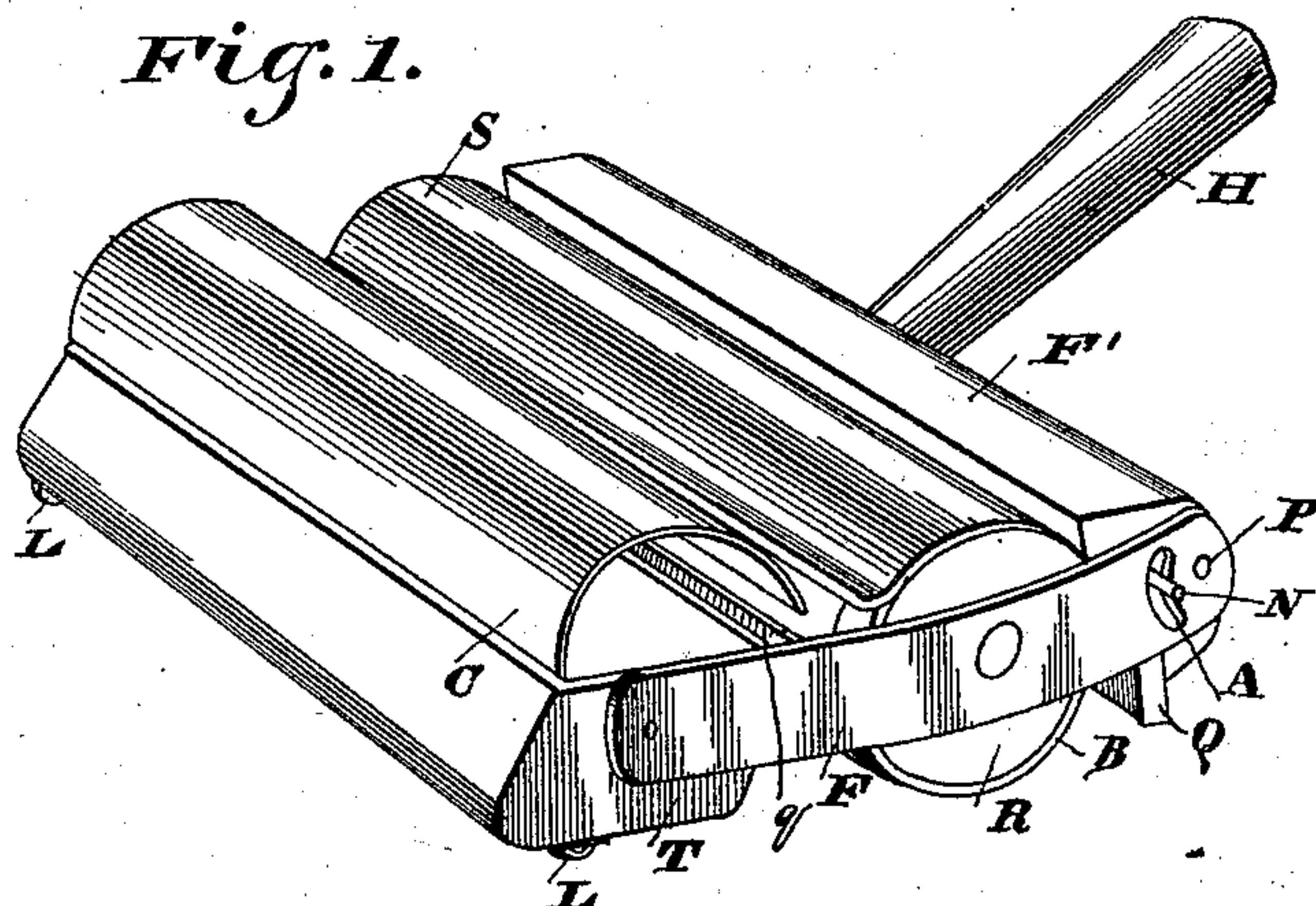


Fig. 2.

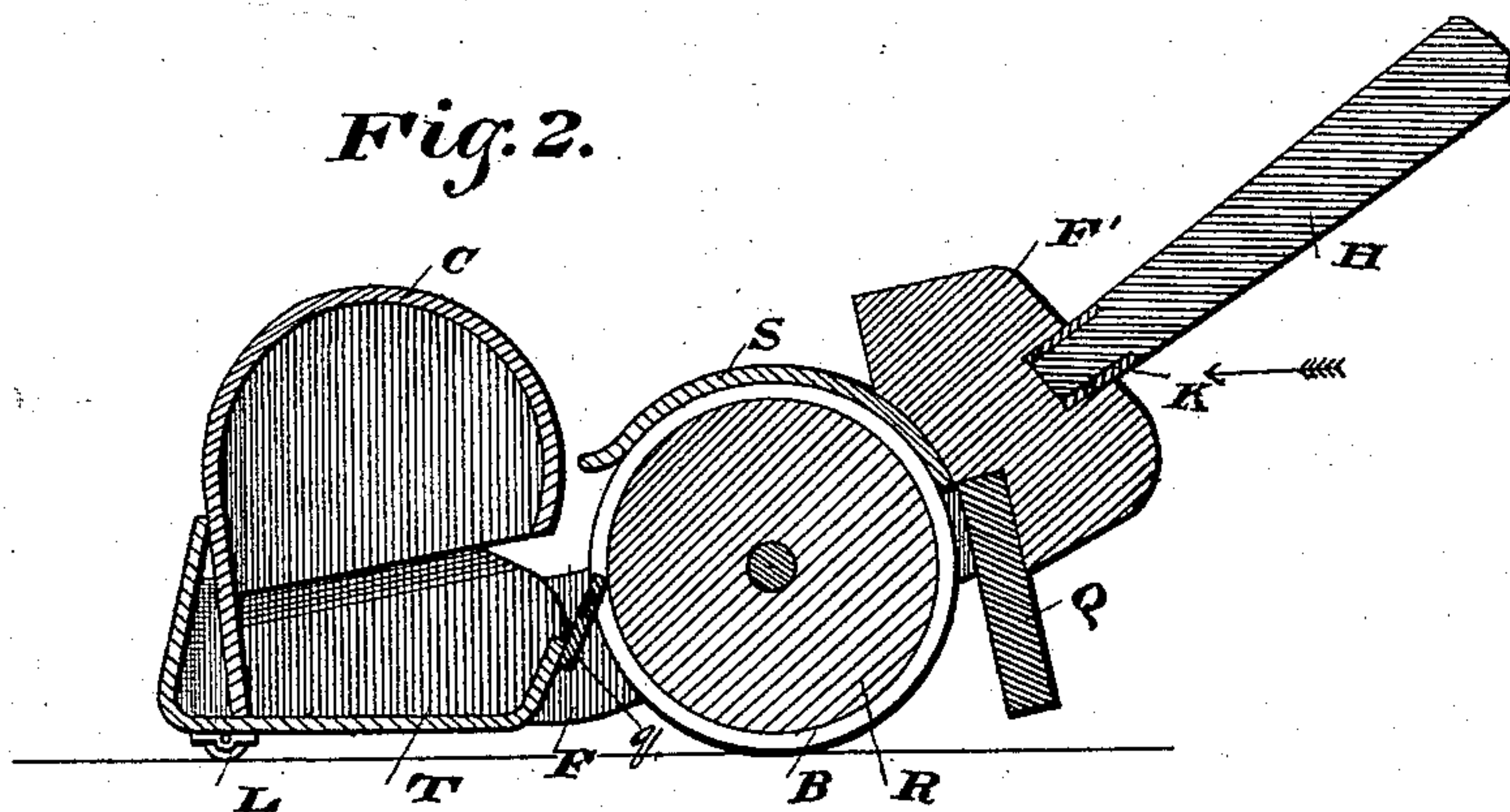
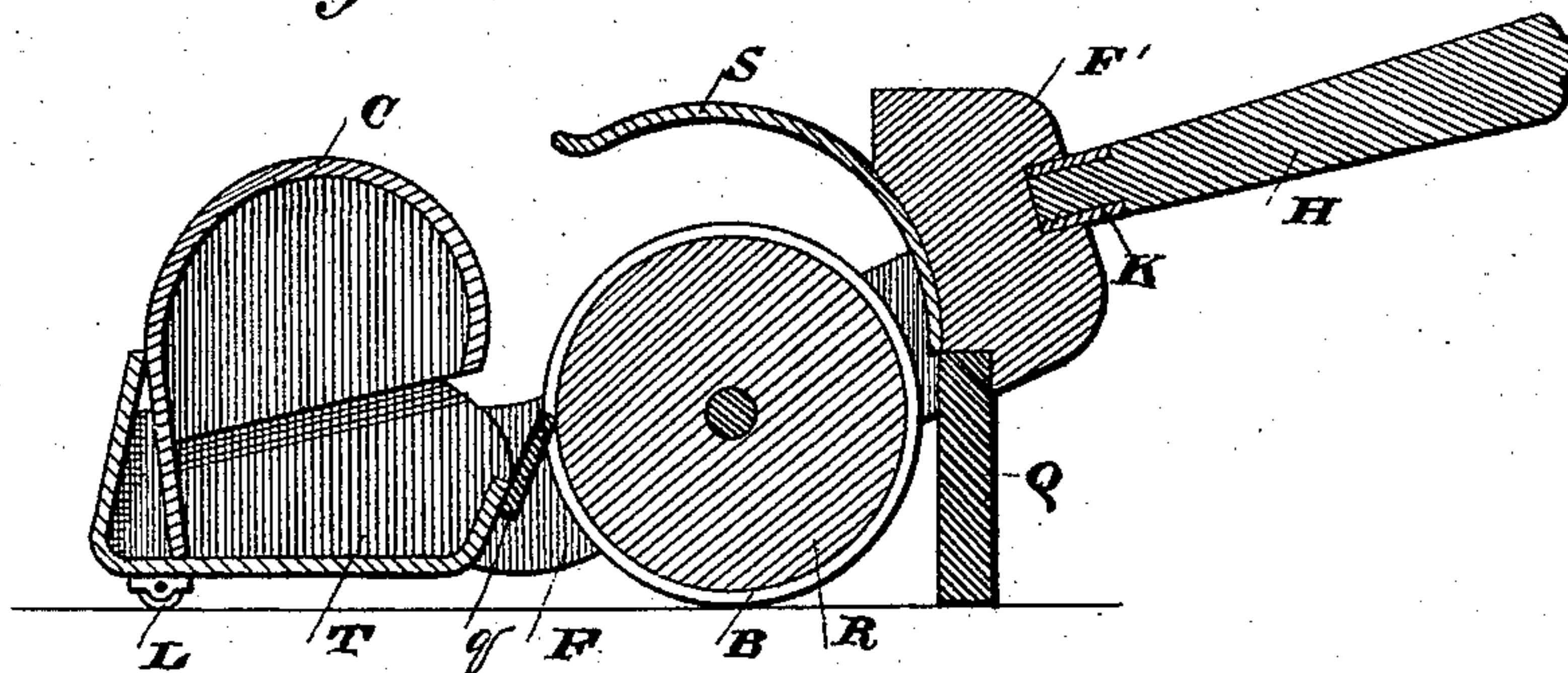


Fig. 3.



Witnesses

B. S. Ober

N. L. Gollamer

By his Attorneys,

C. A. Snow & Co.

Inventor
William H. Cloud

UNITED STATES PATENT OFFICE.

WILLIAM H. CLOUD, OF KOKOMO, INDIANA, ASSIGNOR OF ONE-HALF TO
JOHN W. LAPPIN, OF SAME PLACE.

ROTARY BRUSH.

SPECIFICATION forming part of Letters Patent No. 455,658, dated July 7, 1891.

Application filed February 5, 1891. Serial No. 380,327. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. CLOUD, a citizen of the United States, residing at Kokomo, in the county of Howard and State of Indiana, have invented a new and useful Scrubbing-Machine, of which the following is a specification.

This invention relates to scrubbing-machines; and the object of the same is to effect certain improvements therein.

To this end the invention consists of the details of construction hereinafter more fully described and claimed, and as illustrated on the sheet of drawings, wherein—

Figure 1 is a general perspective view of this device. Fig. 2 is a central longitudinal section with the parts in position to throw water into the reservoir. Fig. 3 is a similar section showing the parts in different positions.

Referring to the said drawings, the letter R designates a roller, preferably having thin rubber bands B at its ends, and this roller is journaled in the side bars of a frame-work F. Between the front ends of these side bars is located a tank T, over which curves a cover C, the free edge of which is at the rear and stands above the rear edge of the tank adjacent the front face of the roller. Beneath the front corners of this tank are located friction wheels or lugs L, which hold the tank normally raised above the floor.

To the rear side of the rear bar F' of the frame-work is secured a socket K, in which is adapted to be seated a handle H, and this rear bar is pivoted, as at P, to the rear ends of the side bars F of said frame-work, arc-shaped slots A in said side bars engaging pins N in the ends of said rear bar F', so as to limit the motion of the latter around its pivots. From this rear bar projects forwardly a curved shield S, which passes loosely over the roller R, and from the front face of this bar projects downwardly a rubber squeegee Q, which is adapted to be brought into contact with the floor or with the rear face of the roller. The rear edge or mouth of the tank T is also preferably provided with a small squeegee or flap q, extending upwardly over and normally resting upon said roller.

The operation of the device is as follows: The floor of a building, especially if it be a stone or imitation-stone floor, is first washed or mopped in the ordinary or in any preferred manner, after which my device is brought into use for the purpose of taking up the surplus water from the floor. The handle H, being raised so as to keep the shield S close over the roller, the device is borne downwardly and pushed from the operator, as shown by the arrows in Fig. 2. The result is that the rubber bands B are compressed and the water taken up by the roller passes over the rear side of the same, is drained off by the squeegee q, and passes by the free edge of the cover C into the tank T. The shield prevents the water from flying off the device. When the tank has become full, it may be emptied out of the open end of the cover, (shown in Fig. 1,) the other end being closed, as shown in Figs. 2 and 3. When the handle is depressed, Fig. 3, if the device be drawn toward the operator, with the large squeegee Q in contact with the floor, the latter will be effectually wiped and cleaned as is a window-pane; or the handle may be depressed to a less degree if it be not desired to throw the squeegee in contact with the floor. By this means all the water can be taken off the floor in a very short time, the forward motion of the device taking up the water and the rearward motion wiping the floor clean.

What is claimed as new is—

1. The herein-described scrubbing-machine, the same comprising a frame-work carrying a tank having a rearwardly-facing open mouth, a curved cover over said tank having one open end, a roller journaled in said frame-work and having rubber bands at its ends, and a squeegee adjacent said mouth passing by the free edge of said cover and resting on said roller, as and for the purpose set forth.
2. The herein-described scrubbing-machine, the same comprising a frame-work carrying a tank having a rearwardly-facing open mouth, lugs beneath said tank, a roller journaled in said frame-work, a squeegee adjacent said mouth and resting on the roller, the rear bar of said frame-work having pivots mounted in the side bars and the latter having arc-shaped

slots engaged by pins in the ends of said rear bar, a large squeegee depending from said rear bar, and a handle extending rearwardly from the latter, as and for the purpose set forth.

5 3. The herein-described scrubbing-machine, the same comprising a frame-work consisting of a rear bar having pins and pivots in its ends and side bars loosely mounted on said pivots and having arc-shaped slots engaging
10 said pins, a tank secured between the front ends of said side bars and having a rearwardly-facing open mouth, a curved cover over said tank having one open end with the free
15 edge of said cover standing just inside said mouth, a roller journaled between said side

bars and having rubber bands at its ends, a small squeegee adjacent said mouth and resting on said roller, a shield rising from said rear bar and extending over the roller, a large squeegee depending from this bar behind the roller, and a handle-socket extending rearwardly also from this bar, as and for the purpose hereinbefore set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM H. CLOUD.

Witnesses:

H. M. COOPER,

CHARLES A. STYER.