P. Hill.

Sponge Cup.

No. 61,833. Patented Feb. 5, 1867.

Fig. 1.

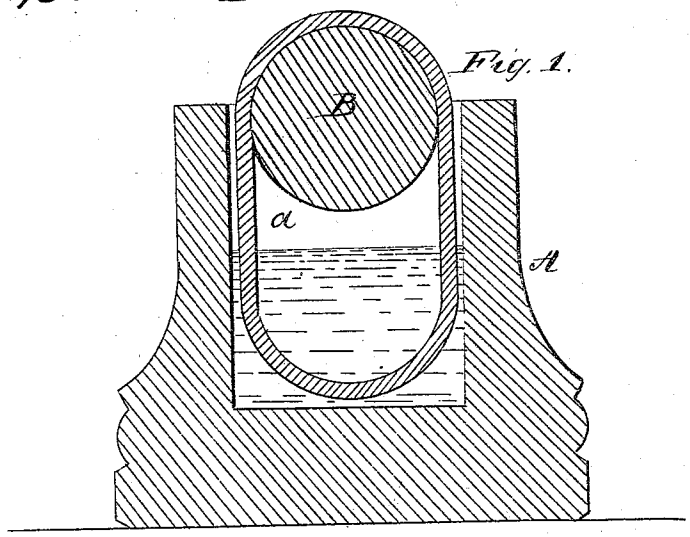
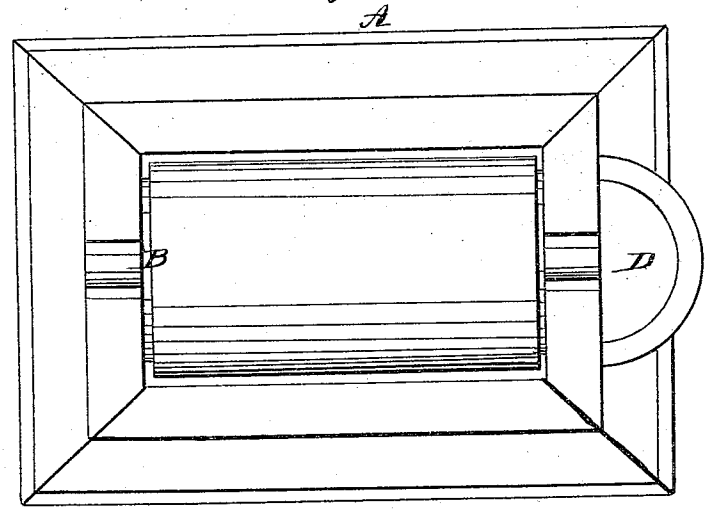


Fig. 2.



Witnesses
John Parker
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Inventor
P. Hill
By his Attorney
Henry Howson

United States Patent Office

PHILIP HILL, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND W. B. CURRY, OF SAME PLACE.

Letters Patent No. 61,833, *dated February* 5, 1867; *antedated January* 28, 1867.

DAMPING APPARATUS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, PHILIP HILL, of Philadelphia, Pennsylvania, have invented an improved Damping Device; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention consists of a cup, a roller, and a band of cloth or felt extending over the roller and into water in the cup, as fully described hereafter, so that when the exposed portion of the band becomes so dry that a stamp or other article pressed on the same cannot be properly dampened, a thoroughly saturated portion of the band may be brought to the top of the roller by merely turning the latter.

My invention further consists of a reservoir communicating with the cup, as fully described hereafter, so that the latter can be replenished with water without removing the roller or band.

In order to enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation. On reference to the accompanying drawing, which forms a part of this specification—

Figure 1 is a sectional elevation of my improved damping device; and

Figure 2, a plan view.

A is an oblong box or cup, in the upper edge of which are recesses adapted for the reception of the journals of a roller, B, and round the latter extends an endless band, *a*, of felt, cloth, or other suitable material, which hangs from the roller nearly to the bottom of the cup. At one end of the cup is a reservoir, D, which communicates with the interior of the cup. The cup is partially filled with water, and the roller B is turned so that every portion of the band *a* is passed through the water and thoroughly saturated, when the device will be ready for use. The ordinary damping device, consisting of a sponge inserted in a shallow cup containing water, is inefficient, as the external portions of the sponge soon become dry, and the water cannot be extracted without exerting considerable pressure. The surface of the sponge, also, is generally so irregular that it is difficult to thoroughly dampen large stamps, bands, or other similar articles. In the above-described device the cloth or band *a* is of such a thickness that it will retain a considerable quantity of water, so that the hand or a stamp may be moistened by merely pressing it slightly against the band. Should the exposed portion of the band become dry, it is only necessary to turn the roller, so as to bring to the top of the same a part of the band previously immersed in the water. Long stamps or gummed bands may be moistened by pressing them against and drawing them over the cloth, the roller B turning and carrying with it the cloth, so that a freshly wet surface is presented to every portion of the stamp. The cup may be readily replenished with water by introducing the latter into the reservoir D, the necessity of removing the roller and band being thus avoided. A flat plate having projections at the ends fitting recesses in the edges of the cup may be substituted for the roller, the plate being reversed whenever the exposed portion of the band becomes too dry.

I claim as my invention, and desire to secure by Letters Patent—

1. The cup A, band *a*, and roller B, or its equivalent, the whole being constructed and operating substantially as and for the purpose described.

2. The reservoir D, in combination with the cup A, and the roller and band, or their equivalents, for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PHILIP HILL.

Witnesses:

CHARLES E. FOSTER,

JOHN WHITE.