

(No Model.)

L. B. BERTRAM.

CONSTRUCTION OF RESERVOIR DAMPENERS FOR PRESS COPYING BOOKS,
LABELS, &c.

No. 358,327.

Patented Feb. 22, 1887.

Fig. 1.

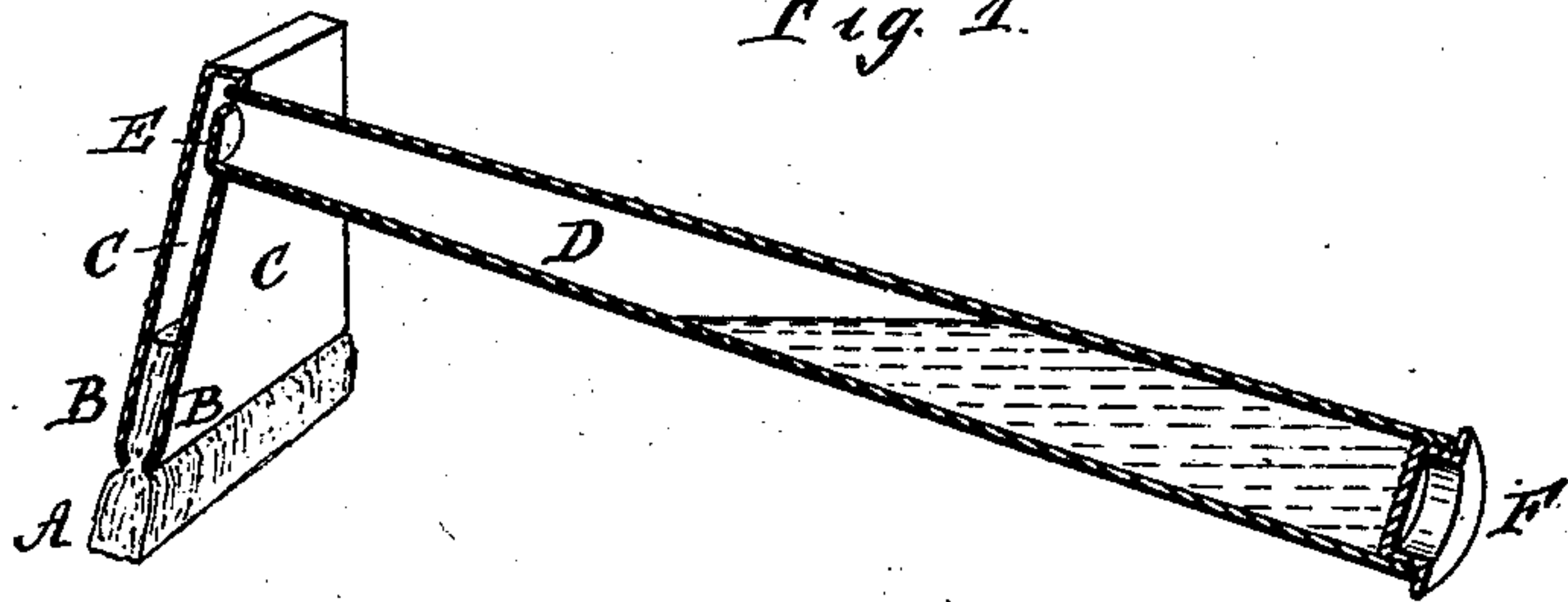


Fig. 2.

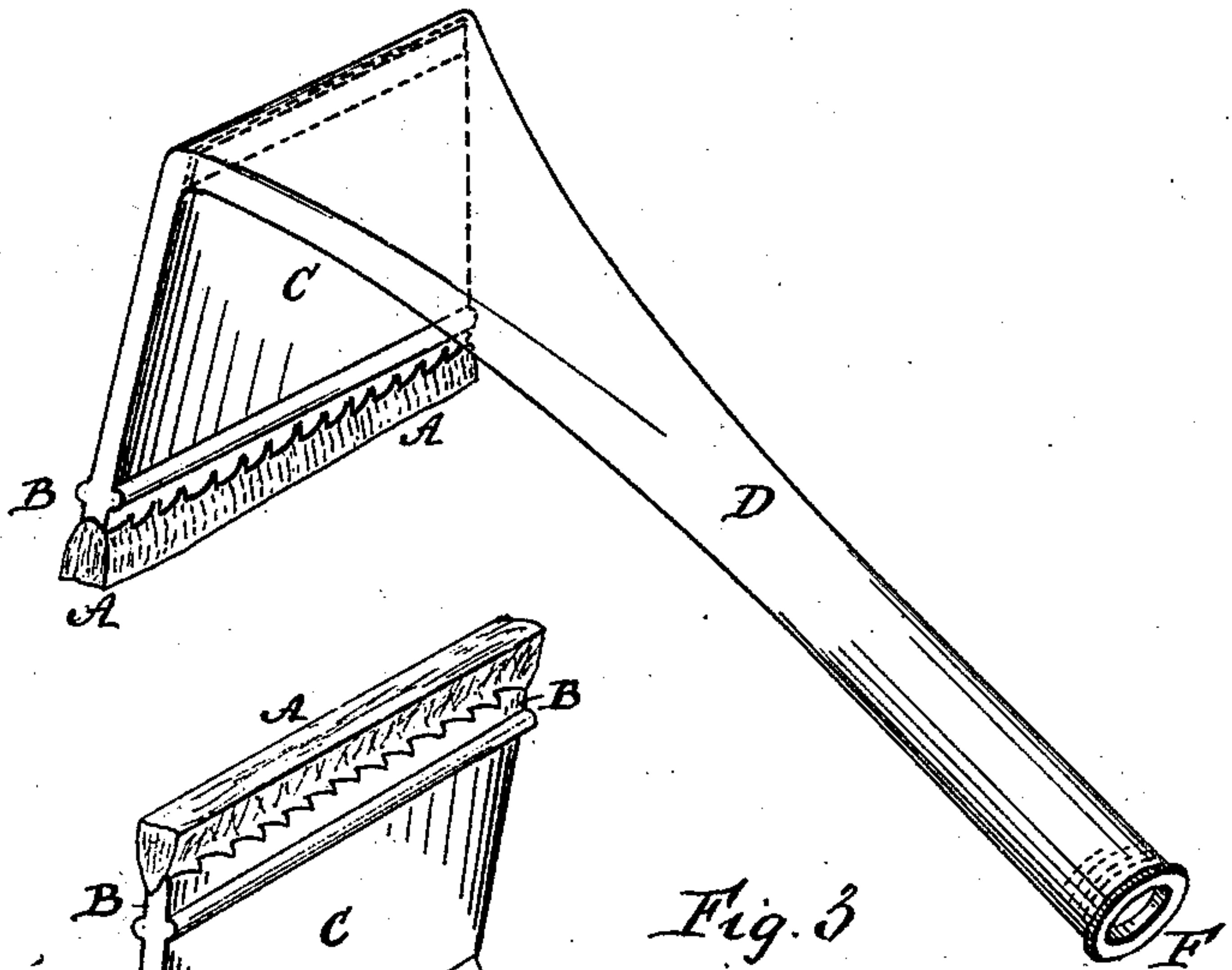
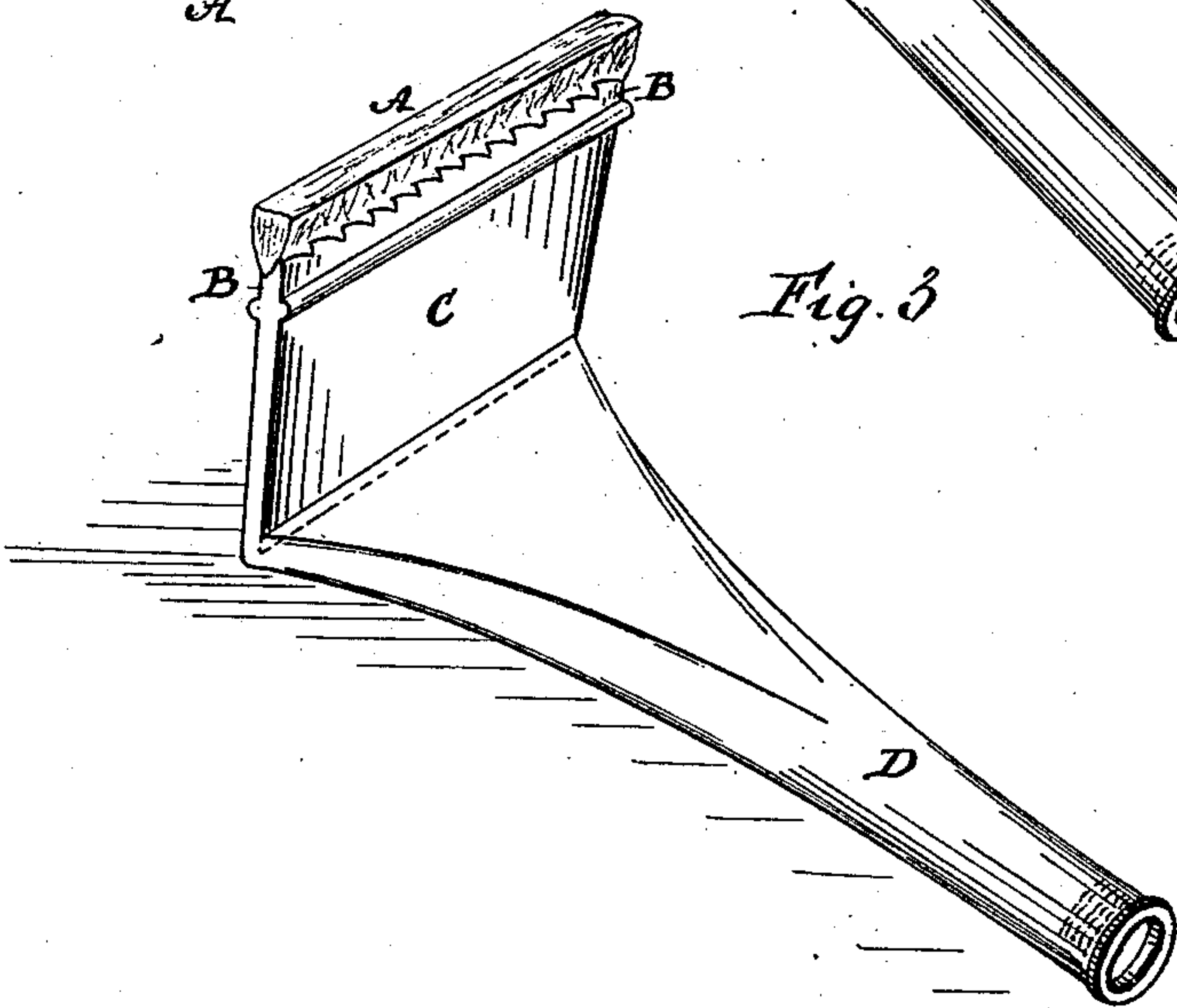


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

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CONSTRUCTION OF RESERVOIR-DAMPENERS FOR PRESS COPYING-BOOKS, LABELS, &c.

SPECIFICATION forming part of Letters Patent No. 358,327, dated February 22, 1887.

Application filed May 12, 1886. Serial No. 201,978. (No model.) Patented in England July 21, 1885, No. 8,799; in France August 21, 1885, No. 170,761, and in Belgium August 22, 1885, No. 69,969.

To all whom it may concern:

Be it known that I, LEOPOLD BERAL BERTRAM, a subject of the Queen of Great Britain, residing at Colville Mansions, Bayswater, Middlesex, England, have invented an Improved Construction or Arrangement of Reservoir-Dampeners for Press Copying-Books, Labels, and the Like, (for which I have obtained patents in the following countries: Great Britain by Patent No. 8,799, bearing date July, 21, 1885; France by Patent No. 170,761, bearing date August 21, 1885, and in Belgium by Patent No. 69,969, bearing date August 22, 1885,) of which the following is a specification.

My invention relates to devices for dampening or moistening the leaves of letter-press copy-books and the adhesive surfaces of labels, stamps, and the like, and the purpose thereof is to provide a simple and inexpensive device having an internal reservoir to contain the moistening-fluid, and so constructed that when held in position for use fluid will flow from the reservoir to the sponge, felt, or other absorbent and keep the same properly supplied, whereas when laid down or placed in the usual position it occupies when not in use the water will flow from the absorbent back to the reservoir.

My invention consists in the several novel features of constructions and combination of parts, hereinafter fully set forth, and definitely pointed out in the claim following this specification.

Referring to the drawings forming part of this specification, Figure 1 is a sectional view illustrating my invention. Fig. 2 is a perspective view showing a slightly modified construction. Fig. 3 is a similar view showing the position occupied when the device is not in use.

In the said drawings, the letter C represents a reservoir inclosed within a flat hollow head of any suitable shape and size, having within its lower open edge a strip of felt, sponge, or other absorbent, A, lying partly within and partly without said chamber, and gripped by the jaws or edges B B of the hollow plate.

Connected with the head is a handle, D, which may be a straight tubular handle, as in Fig. 1, having its end piercing the head and communicating with the reservoir C. The other end of said handle is provided with a screw-plug, F, by which water is supplied to the reservoir in said handle. At the end which enters the chamber C in the head a check-lip, E, is preferably placed, over which the water flows to enter said chamber. I may, however, form the handle as shown in Figs. 2 and 3, in which one-half the handle and one-half the head are formed of a single piece of metal, and the other half of each of a separate piece, the two being placed together and soldered. In this construction the hollow handle communicates with the chamber C at the top thereof.

In using the device the sponge or other absorbent is placed upon the paper and the handle raised sufficiently to enable a quantity of water to flow into the chamber C, whence it easily percolates to the surface to which it is to be applied in substantially equal quantities in equal times.

When not in use, the dampener is laid in the position shown in Fig. 3, whereupon the water will at once run back into the hollow handle, avoiding waste, leakage, and danger of damage to surrounding articles.

Prior to my invention dampeners have been made consisting of a straight hollow tube having a sponge in one end and a removable cap at the other, the water being obtained by taking the cap off instead of through the sponge. A device has also been used having similar construction, save that the straight tubular reservoir contained a diaphragm through which the water might pass to the sponge, or else having a small air-inlet at the end of the handle, which could be opened to permit air to enter as the water percolated through the sponge. By my invention, however, the device, when not in use, can be conveniently laid down in any place in such position that all the water will flow into the handle and prevent leakage through the sponge. Moreover, by

the angular arrangement of the handle and head, the supply of water to the sponge can easily be regulated to suit the requirements of each case by simply inclining the handle
5 in one direction or the other, thus enabling the operator to supply a greater or smaller amount of moisture to the sponge or cut off the supply altogether, as he may desire.

What I claim is—

10 A dampener consisting of the hollow head C, having an absorbent, A, lying partly within and partly without one edge, the hollow handle D, communicating with the head C at

or near the edge opposite that inclosing the absorbent, the check-lip E, and cap F, substantially as described. 15

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

LEOPOLD BERAL BERTRAM.

Witnesses:

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