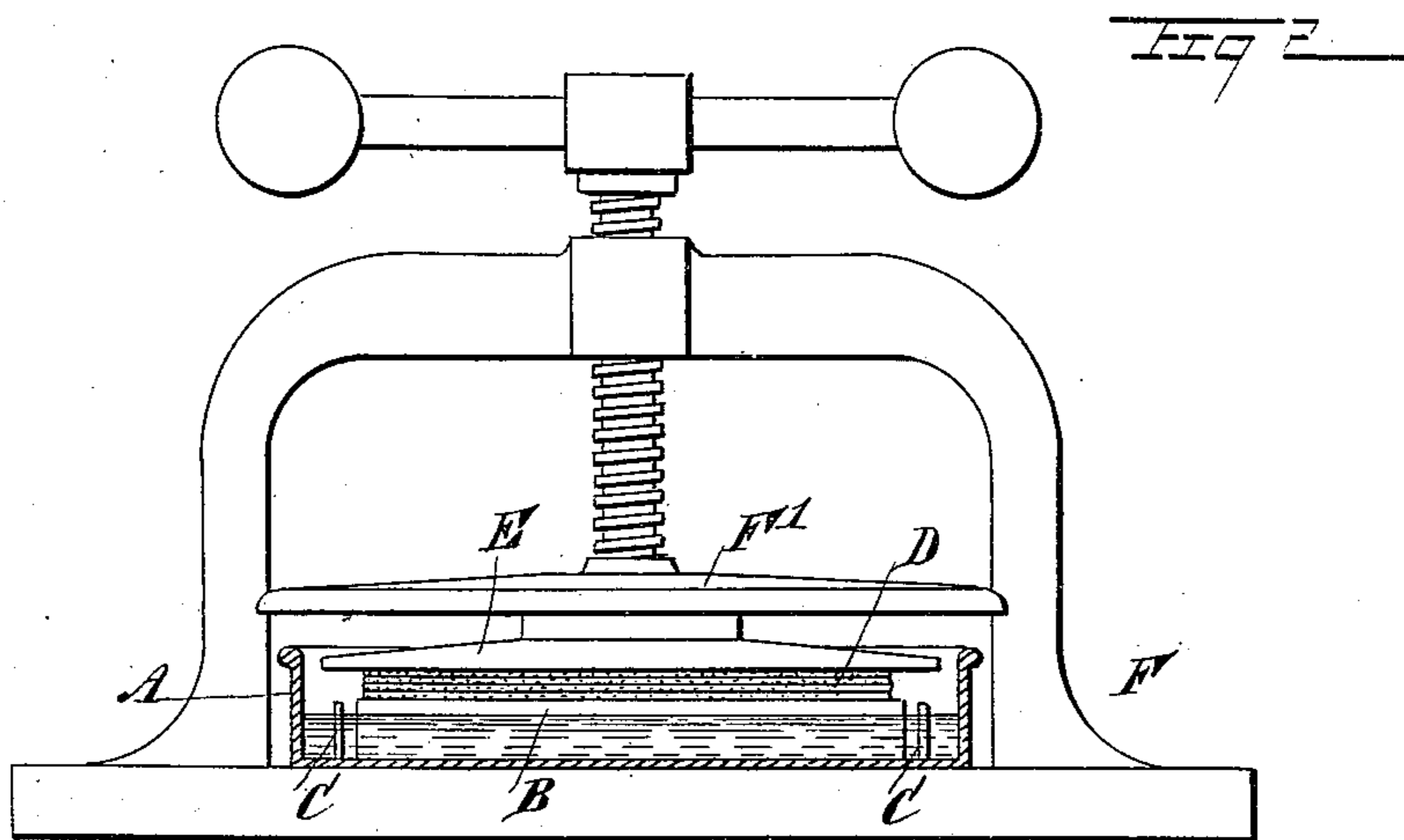
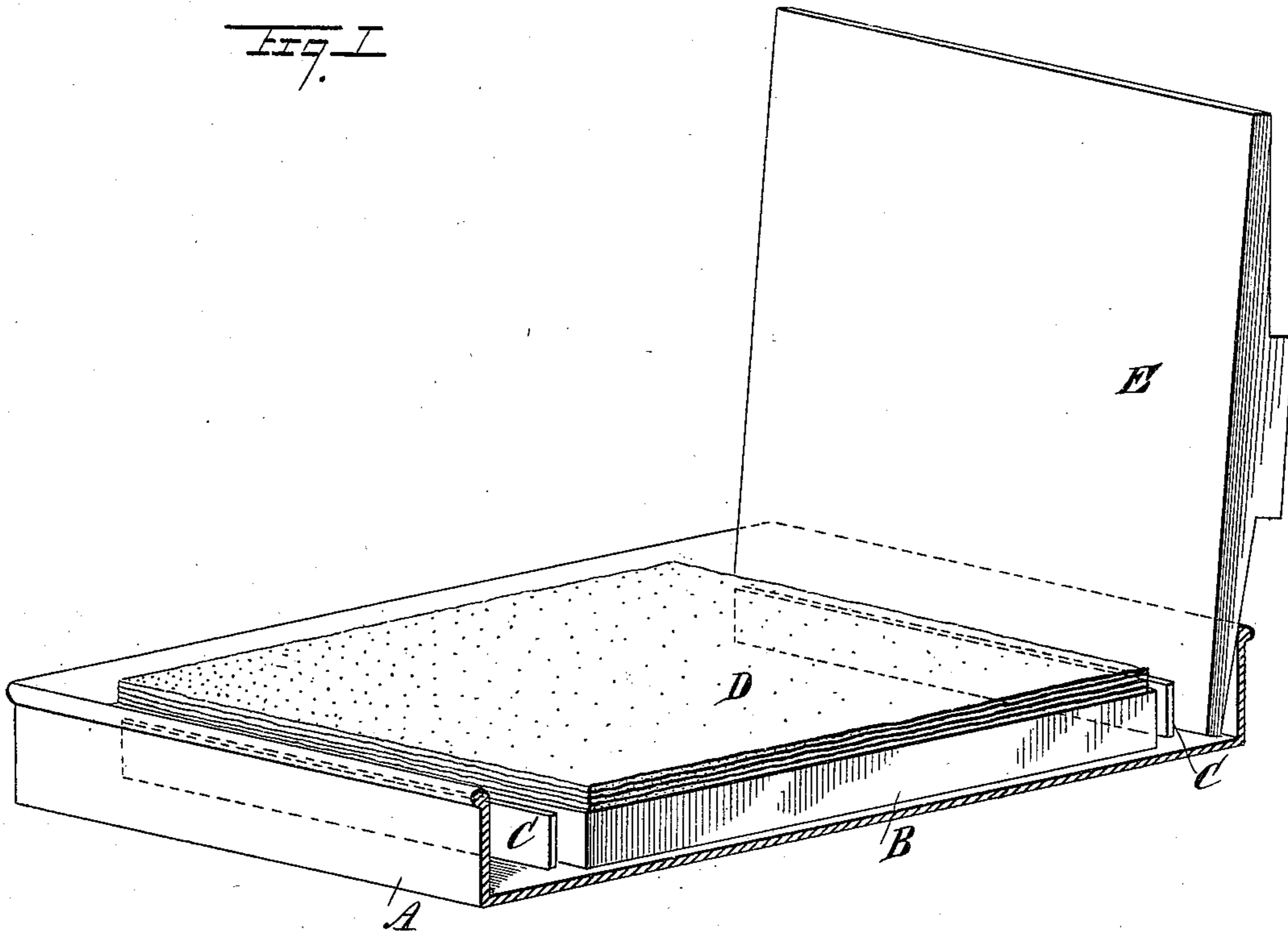


(No Model.)

W. S. HAMPSHER.
DAMPENING DEVICE FOR PRESS COPYING.

No. 556,265.

Patented Mar. 10, 1896.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WALLACE STEVENS HAMPSHER, OF MOUNT VERNON, NEW YORK.

DAMPENING DEVICE FOR PRESS-COPYING.

SPECIFICATION forming part of Letters Patent No. 556,265, dated March 10, 1896.

Application filed October 2, 1895. Serial No. 564,364. (No model.)

To all whom it may concern:

Be it known that I, WALLACE STEVENS HAMPSHER, of Mount Vernon, in the county of Westchester and State of New York, have
5 invented a new and Improved Dampening Device for Press-Copying, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved dampening device designed for use in press-copying and arranged
10 to enable the operator to conveniently moisten the sheets used in press-copying, so that the said sheets are in proper condition for work.

The invention consists of certain parts and
15 details and combinations of the same, as will be fully described hereinafter and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification,
20 in which similar characters of reference indicate corresponding parts in both figures.

Figure 1 is a sectional perspective view of the improvement, and Fig. 2 is a reduced sectional side elevation of the same as arranged
25 under the copying-press for removing the surplus moisture from the sheets.

The improved dampening device is provided with a tray A adapted to hold a moistening liquid, such as water, and in the tray
30 is placed a block B, made of wood or other porous material and extending with its top a suitable distance above the level of the liquid contained in the tray, as indicated in Fig. 2. Sidewise motion of the block B within the
35 tray A is prevented by transverse guiding-strips C, secured on the bottom of the tray and placed a suitable distance from the sides thereof, as plainly indicated in the drawings, it being understood, however, that the said
40 strips do not prevent the liquid from passing to the block B. On the top of the latter are placed the sheets D to be moistened, the said sheets being preferably of canvas, but blotting-paper and the like may be used.

Now it will be seen that the liquid contained
45 in the tray A is, by capillary attraction of the block B, passed upon the sheets D, so that the latter are moistened. When it is desired to use the sheets D in the copying-press, a
50 presser plate or cover E is first placed upon the sheets and pressed downward, so as to squeeze out any surplus moisture contained

in the sheets, and this surplus moisture flows down into the tray back to the liquid contained in the tray. The said cover or presser-
55 plate E is made with its opposite sides inclined or tapered toward its outer edges, and when in use the lower portions of said inclined faces of said cover will stand, as seen in Fig. 2, slightly below the upper edge of
60 the marginal rim of the pan A, so that water may be poured upon said inclined faces of the cover so as to run down into the pan and fill the same without necessitating the removal of the cover and without disengaging
65 the canvas sheets held under the same. If desired, one of the sheets D may be extended over a side of the block B to pass down into the liquid contained in the tray, so that the liquid is drawn up by capillary attraction in
70 the sheet instead of the block, and the latter consequently may be made of a non-porous material.

The guides C do not extend up above the block B, so that they are not engaged by the
75 cover E when the sheets are pressed and dried. Were said guides arranged to project above said blocks they would be likely to be bent over by contact with the said cover E.

In order to properly press the cover E, I
80 prefer to place the entire dampening device under a copying-press F of the usual construction, so that the operator upon screwing down the plate F' engages and presses the cover E, so as to properly squeeze out any
85 surplus moisture contained in the sheets D. If desired, the sheets D placed on the block B may be directly moistened by pouring water over the said sheets and then applying the plate E and squeezing out the surplus water
90 contained in the sheets, in the manner above described.

It will be seen that this device is very simple and durable in construction, and enables the operator to quickly and conveniently
95 moisten the sheets D, so that the latter are in a proper condition for use in the copying-press.

Having thus fully described my invention, I claim as new and desire to secure by Letters
100 Patent—

A dampening device for use in press-copying, comprising a tray having a raised marginal rim and adapted to receive water, a

block held in said tray and adapted to support the sheets to be moistened, and a cover adapted to fit in the tray over the sheets on said block, said cover being provided along
5 its opposite sides with inclined or beveled surfaces, the lower portions of which are arranged below and adjacent to the opposite

marginal edges of the said pan, substantially as set forth.

WALLACE STEVENS HAMPSHER.

Witnesses:

THEO. G. HOSTER,
JNO. M. RITTER.