

Weston & Dennis,

Cloth Press.

No. 103263.

Patented May 17. 1870.

Fig. 1

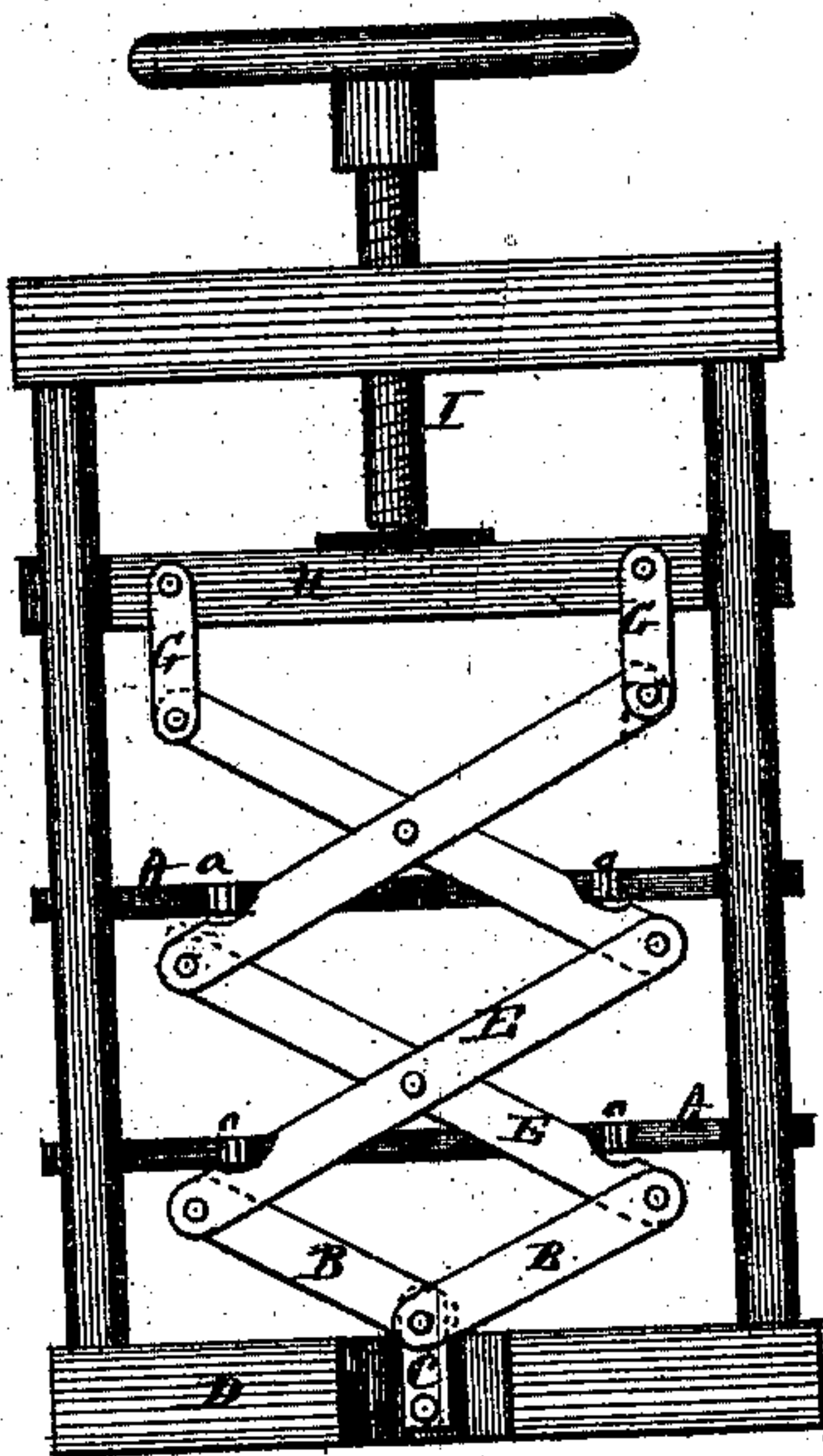
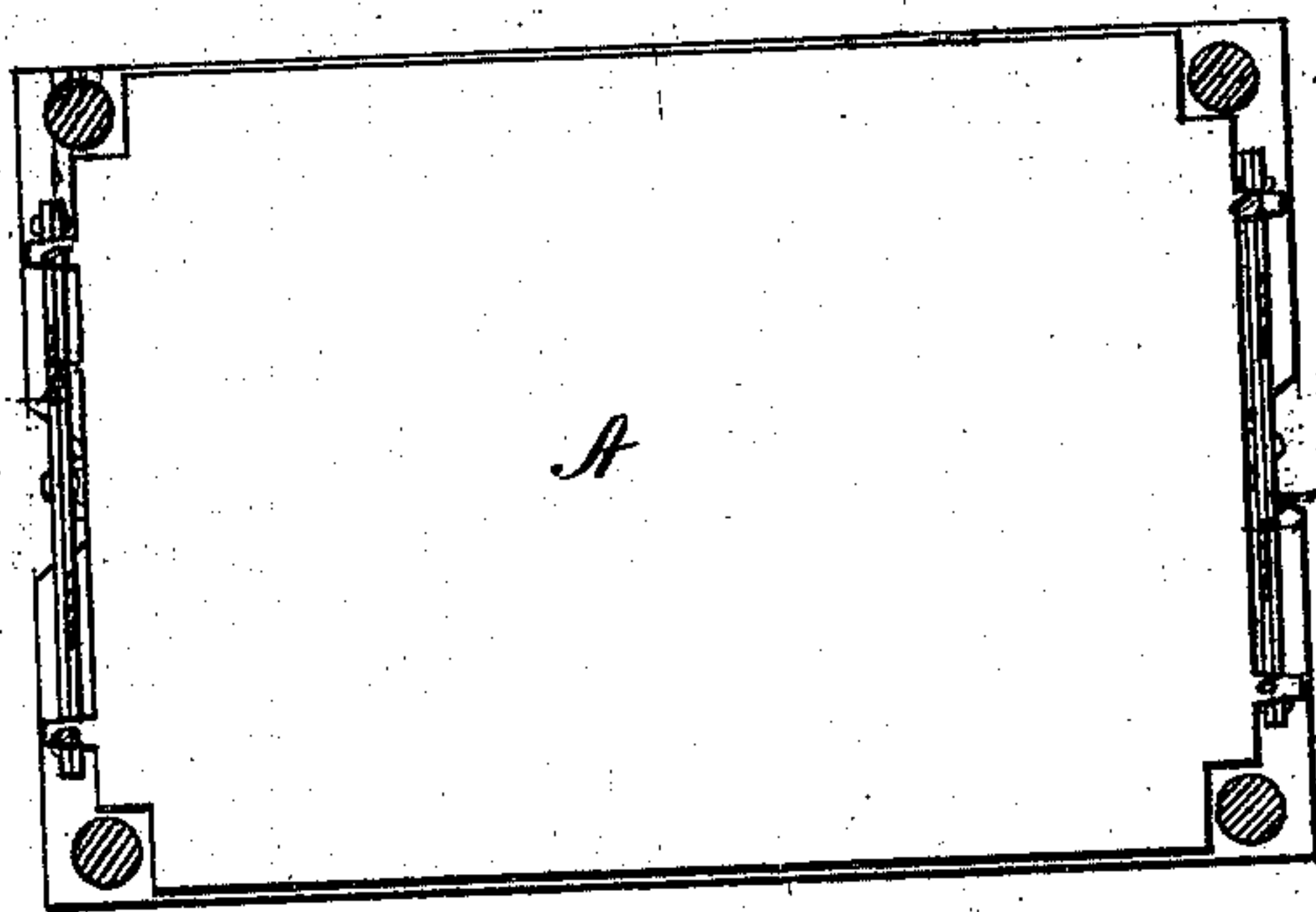


Fig. 2



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES H. WESTON AND JOHN DENNIS, OF LOWELL, MASSACHUSETTS.

IMPROVED CLOTH-PRESS.

Specification forming part of Letters Patent No. **103,263**, dated May 17, 1870.

To all whom it may concern:

Be it known that we, JOHN DENNIS and C. H. WESTON, of Lowell, in the county of Middlesex, and in the State of Massachusetts, have invented certain new and useful Improvements in Cloth-Press; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings; and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in a novel device for suspending the hollow press-plates in a steam cloth-press, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is an end view, and Fig. 2 a horizontal section.

A A represent the plates of a steam cloth-press, which plates are on their ends provided with arms or lugs *a a*, resting upon lattice-work, constructed in the following manner: Two bars, B B, are pivoted together in the upper end of a bar, C, which is secured in the center of the end of the base D of the press. The bars B B are turned in opposite directions—that is, one toward the front and the other toward the rear of the press—and at their outer ends are pivoted other bars, E E, which cross each other and are pivoted together at the center. Other similar bars are pivoted to the bars E E, and connected in like manner, and so continued, one pair of cross-

bars for each plate in the press, until the top or upper set of bars, which are pivoted at their upper ends to small bars, G G, secured at the ends of the follower H, which is operated by means of a screw, I, through the top of the press. The lower ends of all the bars E E have, on their upper side, suitable notches or recesses, in which the arms *a a* rest. By this means the plates of the press may be placed any desired distance apart.

The above-described lattice-work for suspending the plates is mainly intended for downward-acting presses, but it is equally applicable to upward-acting presses; and we may make the lattice-work double—that is, have two sets at each end—in which case the arms or lugs on the plates will rest in the center instead of at the ends of the bars E E.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In the press herein shown, the combination and arrangement of the plates A, provided with lugs *a*, hangers G, connected to follower H at each end of the same, pivoted lattice-bars E E, vertical bars C, and base-plate D, constructed substantially as described, and operating in the manner and for the purpose set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 24th day of March, 1870.

CHARLES H. WESTON.
JOHN DENNIS.

Witnesses:

FRANK J. LADD,
JONA. LADD.