

W. D. LIBBEY.  
HAY AND COTTON PRESS.

No. 182,206.

Patented Sept. 12, 1876.

Fig. 1.

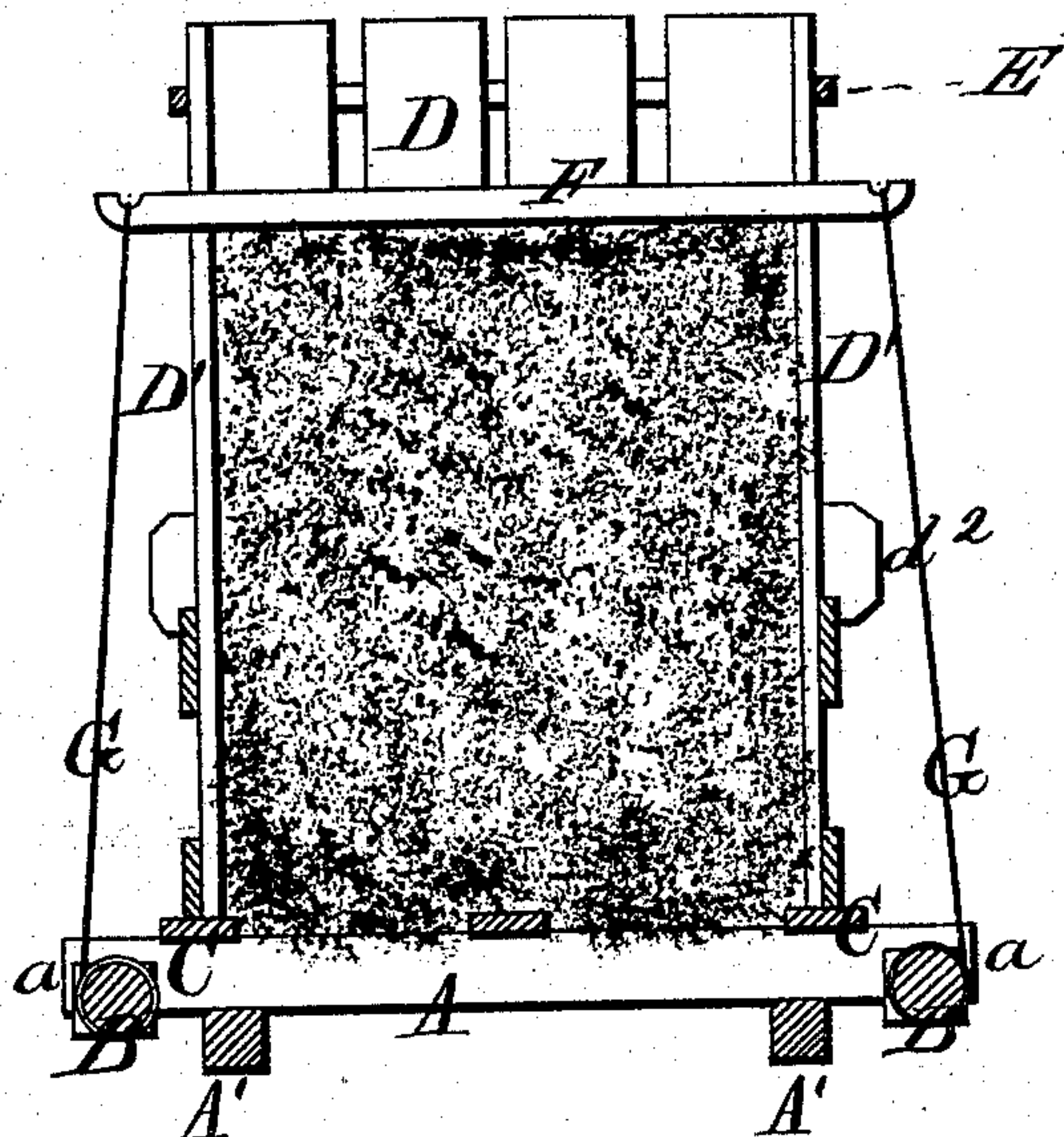


Fig. 2.

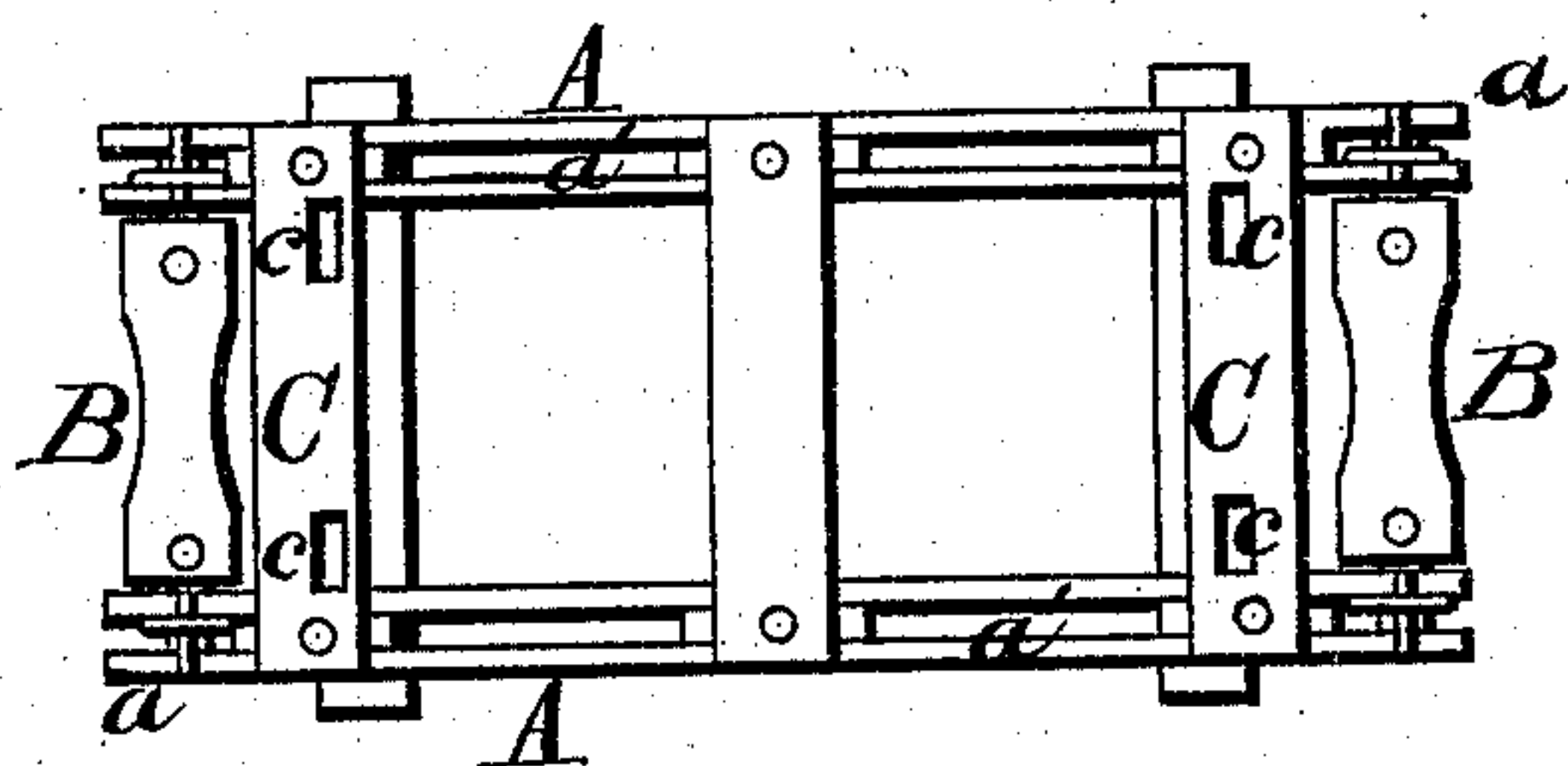


Fig. 3.

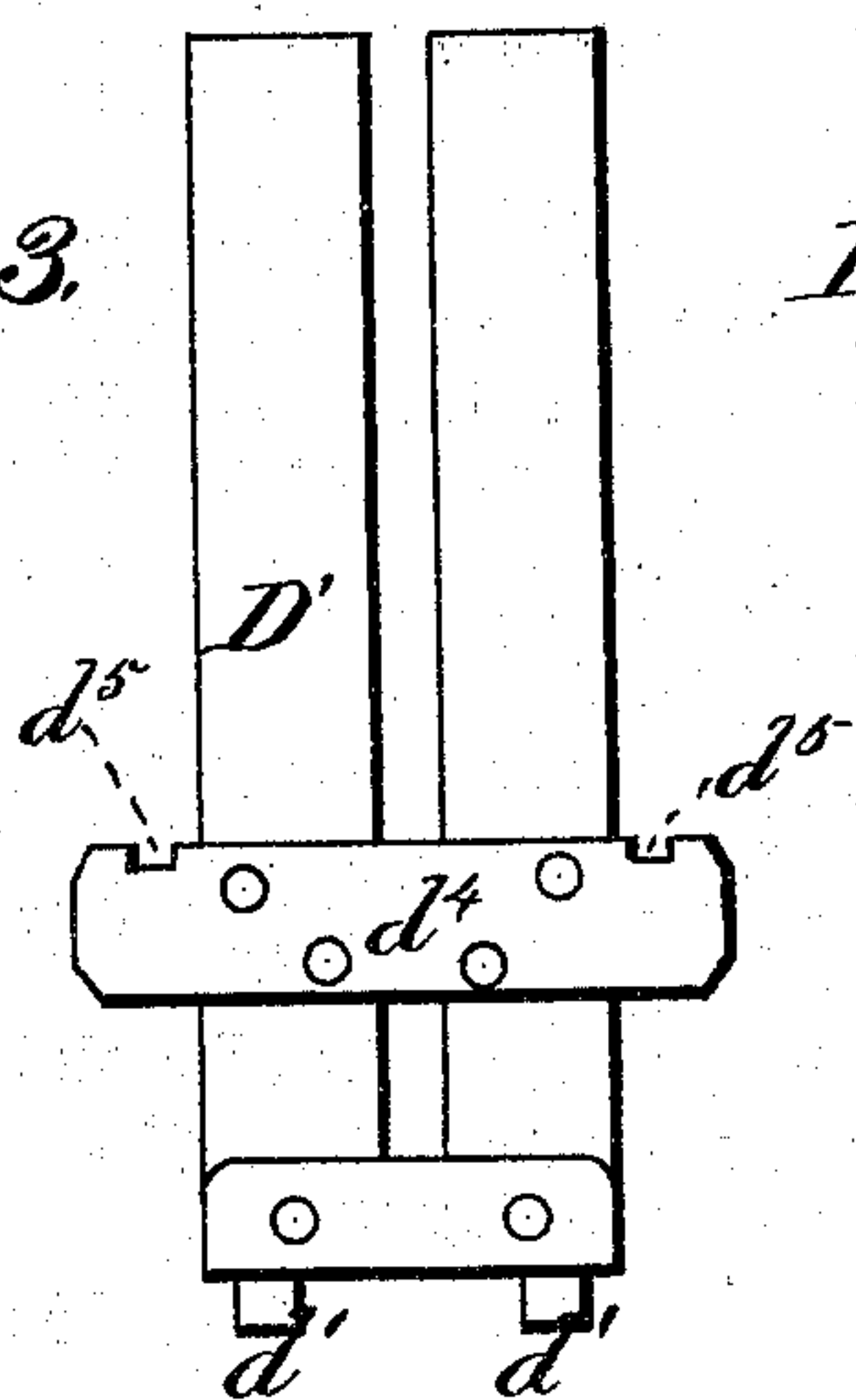
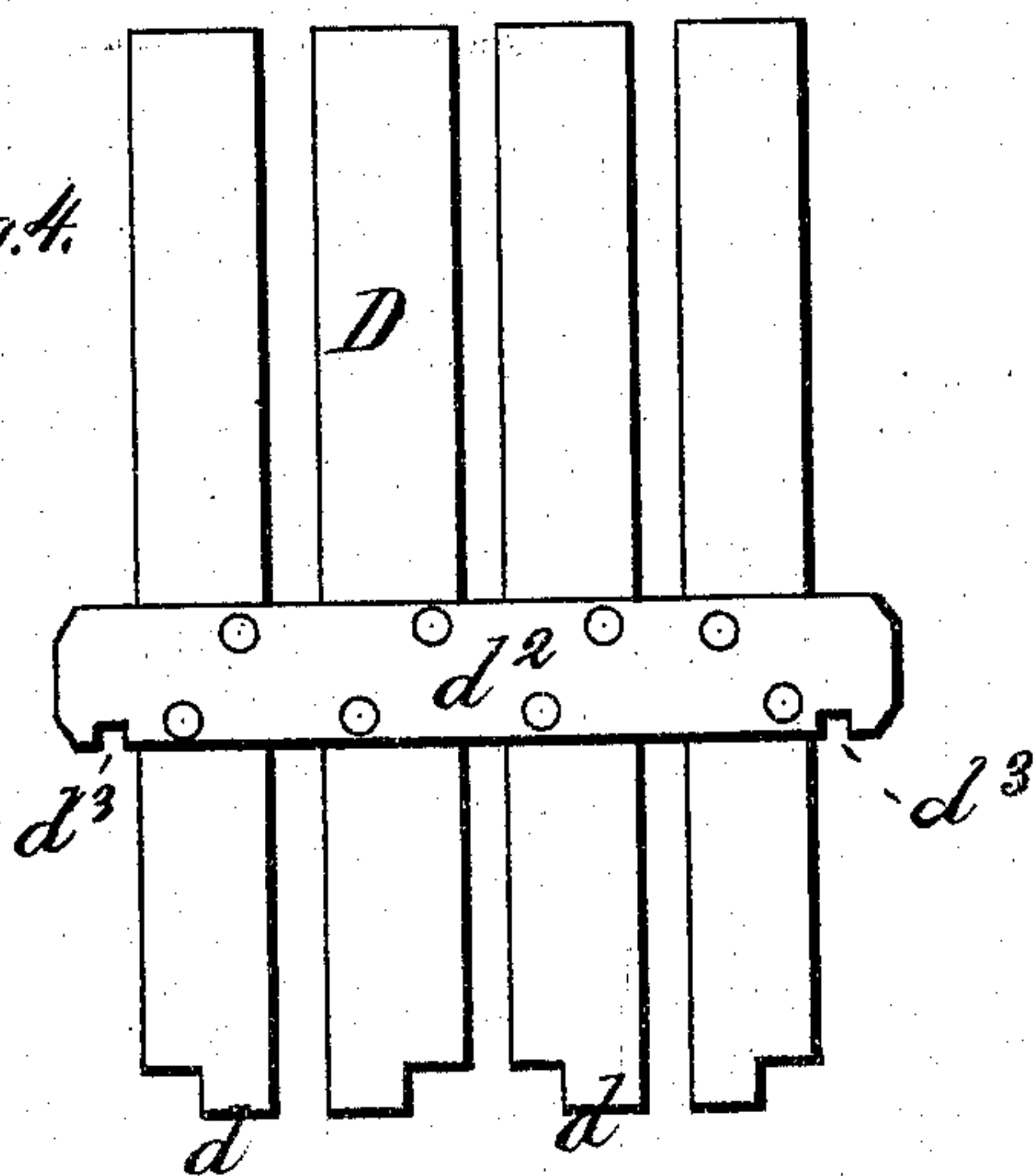


Fig. 4.



WITNESSES

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# UNITED STATES PATENT OFFICE.

WILLIAM D. LIBBEY, OF MARQUETTE, MICHIGAN.

## IMPROVEMENT IN HAY AND COTTON PRESSES.

Specification forming part of Letters Patent No. 182,206, dated September 12, 1876; application filed July 29, 1876.

*To all whom it may concern:*

Be it known that I, WILLIAM D. LIBBEY, of Marquette, in the county of Marquette and State of Michigan, have invented a new and valuable Improvement in Hay and Cotton Presses; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal vertical section of my hay and cotton press. Fig. 2 is a bottom view of the same. Fig. 3 is a detail view of the end, and Fig. 4 is a detail view of the side, thereof.

This invention relates to presses for hay, cotton, or similar compressible materials; and it consists in constructing said presses in sections, so that they can be taken to pieces and packed for transportation.

In the annexed drawings, A A designate the longitudinal beams, and A' A' the cross-beams, of the sill or bed-frame of the press. Beams A A are constructed with extensions *a a*, in which are journaled horizontal windlasses B B. C C are cross-strips connecting the tops of beams A A. D D are the side sections of the casing, and D' D' the end sections thereof. Sections D D are provided with tenons *d d*, which set into mortises *a' a'* in the top of beams A A; and sections D' D' are provided with similar tenons *d' d'*, which set into mortises *c c* in cross-strips C C. Sections D D are each provided with a batten, *d*<sup>2</sup>, placed crosswise, and extending outward a little beyond the upright portion of said section. Said battens are recessed in the under sides of their outwardly-extending parts at *d*<sup>3</sup>. Each of sections D' is similarly provided with a batten, *d*<sup>4</sup>, placed a little lower than said battens *d*<sup>2</sup> *d*<sup>2</sup>, and recessed on top at *d*<sup>5</sup>, so as to engage tightly with recesses *d*<sup>3</sup>. E designates a band, passed around said sections, so as to bind them all firmly into one casing or box. F is the head of the press, and extends at both ends beyond the casing, where it is

connected with windlasses B B by cords G G. As said windlasses are turned, said head is drawn down, pressing the cotton, hay, or other material into a bale, after the ordinary manner.

When this press is to be transported from place to place, the sections are drawn from the sockets in the bed-frame, (band E having been removed,) and are separated from one another. The bed-frame or sill, the head, and the several sections of the casing may then be laid flat upon one another and packed into a very small compass.

Many slight changes may be made without departing from the spirit of my invention.

Metal cross-bars may be substituted for battens *d*<sup>2</sup> and *d*<sup>4</sup>, or they may be wooden bars of any thickness and shape required. Also, their relative positions may be reversed, the recesses being correspondingly changed. Also, the bottoms of sections D D' may be mortised, and tenons may be formed or secured upon the surface of the bed-frame.

Wood is the material preferably used for all the parts described, but metal may be substituted therefor; so may any material having the requisite strength.

What I claim as new, and desire to secure by Letters Patent, is—

1. A press for cotton, hay, or similar materials, having a casing composed of detachable sections, which are secured to the bed-frame by mortises and tenons, and to each other by recessed extensions, substantially as and for the purpose set forth.

2. Casing-sections D, having tenons *d* and recessed battens *d*<sup>2</sup>, in combination with casing-section D', having tenons *d*<sup>1</sup>, and bed-frame, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM D. LIBBEY.

Witnesses:

THOMAS E. ROBINSON,  
A. J. LIBBEY.