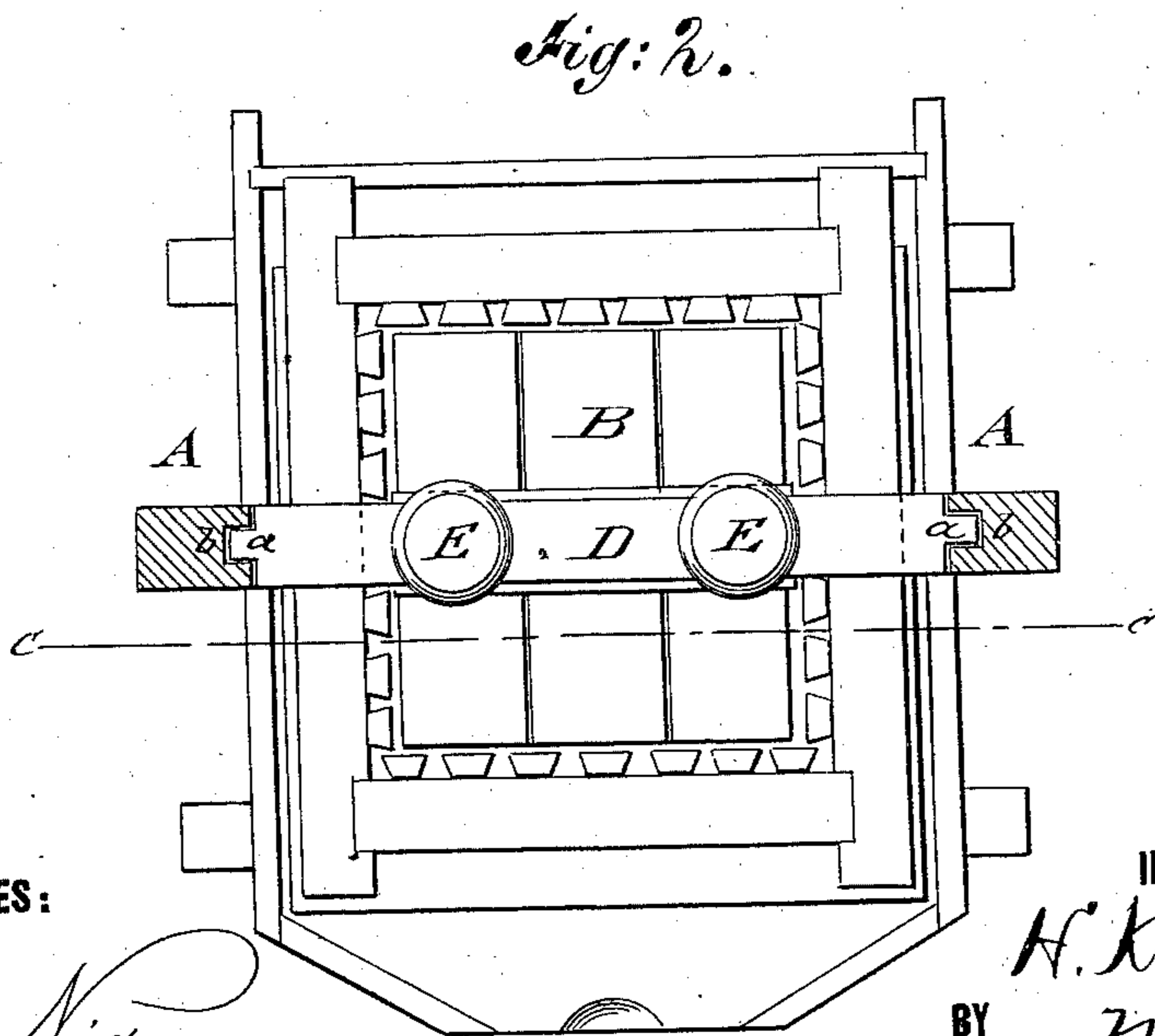
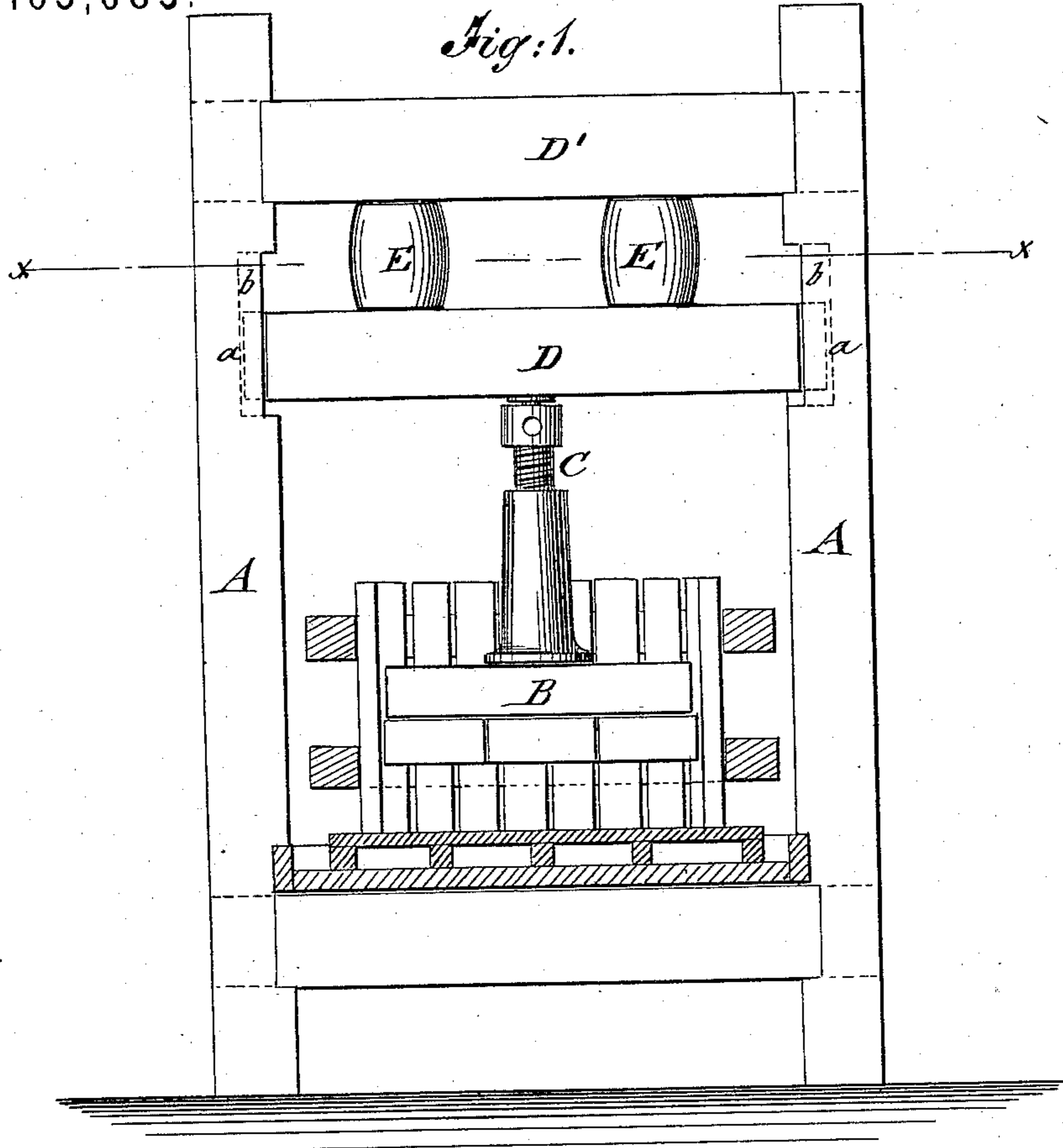


H. KRUMSICK.
Press for Cider, &c.

No. 163,085.

Patented May 11, 1875.



WITNESSES:

Chas. Nida.
A. J. Terry

INVENTOR:

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BY

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

HENRY KRUMSICK, OF NASHVILLE, ILLINOIS.

IMPROVEMENT IN PRESSES FOR CIDER, &c.

Specification forming part of Letters Patent No. 163,085, dated May 11, 1875; application filed October 31, 1874.

To all whom it may concern:

Be it known that I, HENRY KRUMSICK, of Nashville, Washington county, Illinois, have invented a new and Improved Press, of which the following is a specification:

Figure 1 represents a vertical longitudinal section of my improved press on the line *c c*, Fig. 2; and Fig. 2 is a horizontal section of the same on the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

Elastic blocks have been hitherto interposed between the screw and follower of a press, for the purpose of supplementing the pressure of the screw by expansion of the blocks; but they have been so arranged that there was lack of steadiness and directness of pressure; hence increase of friction and a consequent loss of power, and liability of breaking the thread in operating the screw to force the follower down.

To remedy this and other defects of the former plan, I arrange elastic blocks between two parallel cross-bars of the press-frame, one of which is fixed, and the other vertically adjustable, its ends being tenoned and fitted in elongated mortises in the uprights of the frame, as hereinafter described.

In the drawing, A represents the frame of any wine, cider, tobacco, or other press; B, the follower; C, the screw, working in the socket of the same; D, the lateral cross-bar, in which

the upper screw end acts, and which slides by means of narrower end pieces *a* in grooves *b* of the side beams of frame A. Between the sliding cross-bar D and the strong stationary cross-bar D', at the top of frame A, are interposed powerful rubber, car, or other springs E, which get depressed by the turning of the screw and lowering of the follower on the material to be pressed, so that they keep up the pressure thereon after the screw has been turned sufficiently.

By the arrangement above described the blocks or springs E are held securely in place, and require no attention in the operation of the press. The bar D is also prevented turning or changing its position, except vertically, and the action on the head of the screw is equable and uniform, so that the best or full effect is obtained from the force applied in turning it.

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

In a press, the arrangement of the springs E, fixed and movable cross-bars D' D, and the uprights A A, having elongated mortises *b b*, all as shown and described.

HENRY KRUMSICK.

Witnesses:

FRIEDRICH KORF,
CHRISTIAN SCHROTH.