E. GILL.

COPYING-PRESS.

No. 193,404. Patented July 24, 1877.

Fig. 1.

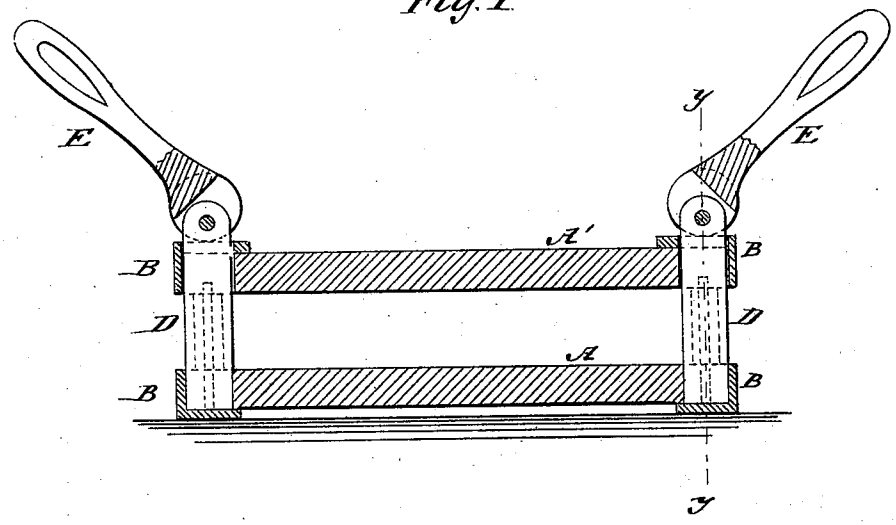
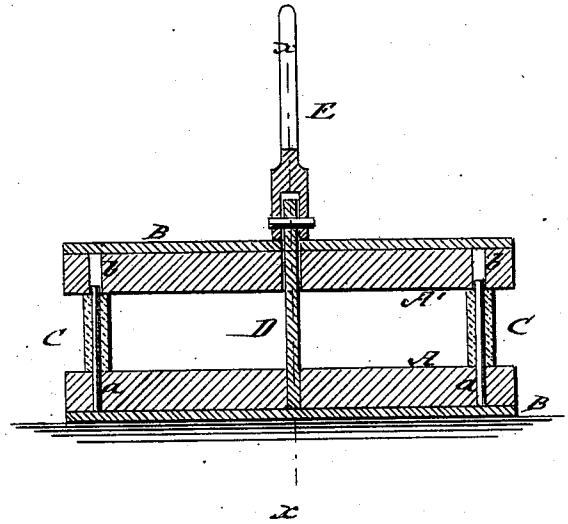


Fig. 2.



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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN COPYING-PRESSES.

Specification forming part of Letters Patent No. **193,404**, dated July 24, 1877; application filed May 5, 1877.

To all whom it may concern:

Be it known that I, ELIAS GILL, of San Francisco, in the county of San Francisco and State of California, have invented a new and Improved Copying-Press, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical longitudinal section on line *x x*, Fig. 2; and Fig. 2, a vertical transverse section on line *y y*, Fig. 1, of my improved copying-press.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved copying-press, of simple and effective construction, that combines economy, utility, and convenience with lightness and facility in handling, the same requiring no extra stand, but being placed, without fastening, on any table or support, and readily put away when not required for use.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

In the drawing, A represents the base board or plate, and A′ the top board or plate, which are made of any suitable size and thickness, and, if made of wood, lined at the ends with angular iron straps B, to strengthen the boards.

The top board A′ rests on rubber or other springs C, arranged at the corners, the springs being set around guide-pins *a*, that slide in holes *b* of the top board, to admit the compression of the springs until the guide-pins form contact with the top corner-straps B. Intermediately between the corner-springs, at the shorter sides of the base-board, are firmly secured upright guide-posts D, that pass through corresponding slots of the top boards, and carry at the upper ends eccentrically-pivoted cam-levers E, which bear, when brought toward each other, on the top board, so as to compress the springs and exert the required pressure on the copying-book placed, in the customary manner, between the boards.

The press is readily operated by bringing the cam-handles toward each other, allowing the top board to remain for a short time in this position, and then reversing the cams, so that the rubber springs raise the top board and admit the taking out of the copying-book.

The press may be furnished at less cost than any one of the common screw-presses in use, while it furnishes just as good copies. It needs not to be screwed or fastened down to keep in place, as the pressure is exerted at the same time at both ends on the same. The press, when of wood, is light and easily handled or removed, but strong enough for all the purposes required.

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

A copying-press consisting of boards A A′, metallic angle-straps B, springs C, arranged about the corner-pins, guide-posts D, and eccentric levers E E, substantially as shown and described.

ELIAS GILL.

Witnesses:
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M. L. SCHMIDT.