

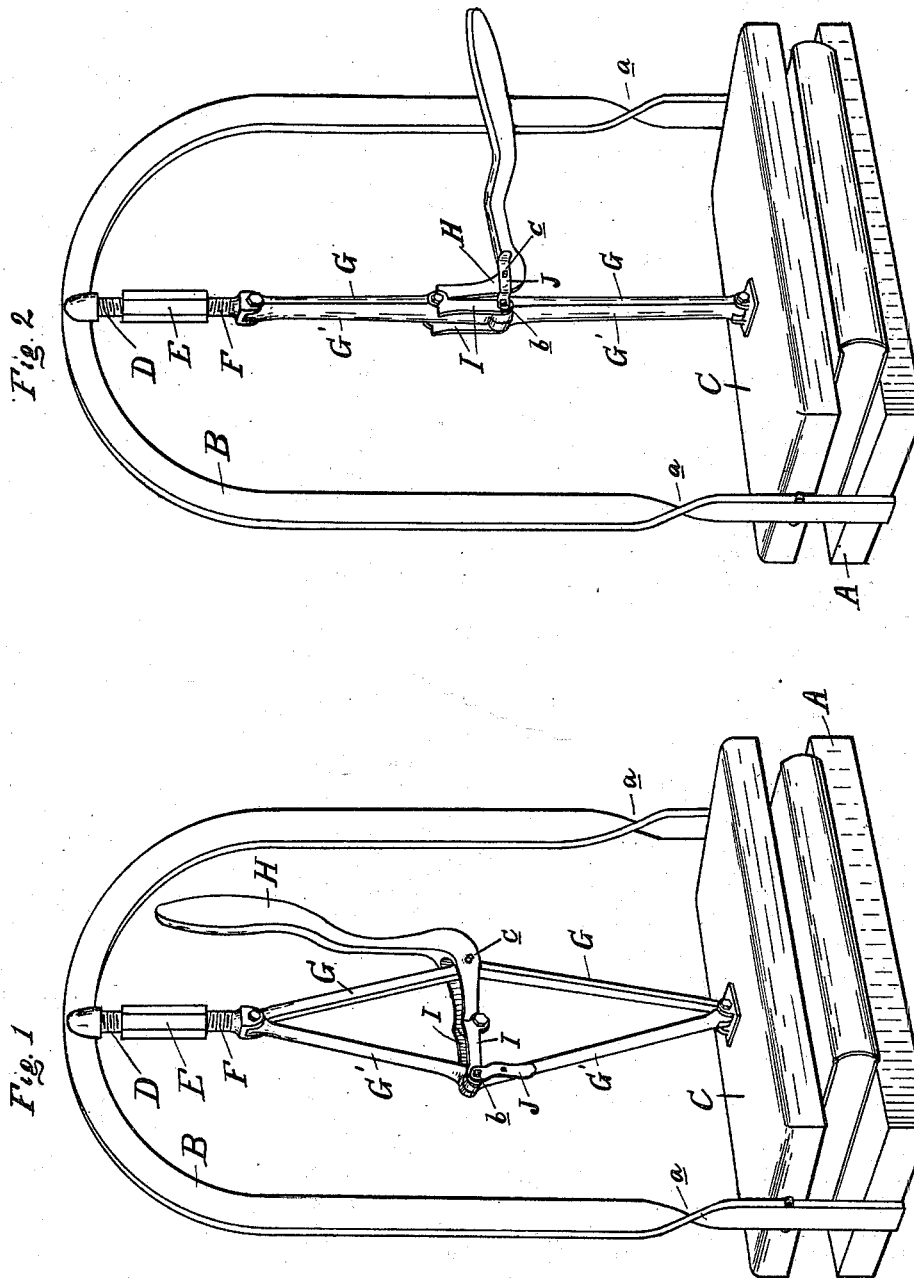
(No Model.)

J. P. JOHNSON.

COPYING PRESS.

No. 385,356.

Patented July 3, 1888.



Witnesses:

P. M. Hulbert.
Geo. Whittemore.

Inventor:

Jeremiah P. Johnson.

By *Thos. Sprague*
Att'y.

UNITED STATES PATENT OFFICE.

JEREMIAH P. JOHNSON, OF DETROIT, MICHIGAN.

COPYING-PRESS.

SPECIFICATION forming part of Letters Patent No. 385,356, dated July 3, 1888.

Application filed June 25, 1887. Serial No. 242,557. (No model.)

To all whom it may concern:

Be it known that I, JEREMIAH P. JOHNSON, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Copying-Press, of which the following is a specification.

This invention relates to certain new and useful improvements in copying-presses; and the invention consists in the peculiar construction and arrangement of toggle-levers for depressing the platen, in the means for adjusting the toggle-levers, in an automatic locking device for holding the actuating-lever in its depressed position, and in the peculiar construction, arrangement, and combinations of the various parts, all as more fully hereinafter set forth.

Figure 1 is a perspective view of my improved press ready for use. Fig. 2 is a similar view with the lever depressed.

In the accompanying drawings, which form a part of this specification, A represents a base to which is rigidly secured the arched frame B. This frame is preferably made of a bar of flat steel, the broad faces of the two ends of which are secured to the ends of the base, and serve as guides for the platen C. The bar is then twisted, as at *a*, upon the two sides of the frame, in order that the strain may come edgewise upon the bar in the operation of the press.

In the center of the arch is rigidly secured a depending threaded stud, D, which engages with the turn-buckle E, the lower end of which receives the upper end of a threaded bolt, F. The lower end of this bolt is pivotally connected to the upper ends of the toggle-levers G G', the lower end of the latter being likewise pivotally secured to the top of the platen C.

At the central joint of the toggle-lever G is pivotally secured the curved lever H, the bi-

furcated ends of which are pivoted to the inner ends of the links I, the outer ends of the latter being rigidly secured to the projecting ends of the bolt *b*, which forms the pivot-pin of the joint of the toggle-lever G'. To one end of the bolt *b* is rigidly secured a spring, J, at right angles to the links I, and in which is formed a suitable opening adapted to engage with a stop, *c*, projecting laterally from the corresponding side of the lever when the parts are in the position shown in Fig. 2.

In practice the platen is raised above the bed sufficiently to admit of the letter-book being placed between them, and if adjustment is required it is accomplished by turning the turn-buckle E in the proper direction to raise or lower the platen, as may be desired. By now depressing the hand-lever H the toggle-levers are straightened or drawn together, as shown in Fig. 2, and firmly press the book. As the lever H assumes the horizontal position, the stop *c* engages with the spring J, which locks the lever in such position.

What I claim as my invention is—

1. In a letter-press, the combination of the frame B and platen C, having a vertical adjustment in said frame, with the toggle-levers G G', threaded bolts D F, the latter pivotally connected directly to the upper ends of the toggle-levers, bifurcated lever H, and links I, the parts being constructed, arranged, and operating substantially in the manner and for the purposes described.

2. In a letter-press, the combination of the bed A, frame B, platen C, screw-bolts D F, turn-buckle E, toggle-levers G G', bifurcated lever H, links I, spring J, and stop *c*, all combined and operating substantially in the manner and for the purposes described.

JEREMIAH P. JOHNSON.

Witnesses:

JAMES E. CUTLER,
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