

(No Model.)

W. E. TRUFANT.  
COPYING PRESS

No. 411,559.

Patented Sept. 24, 1889.

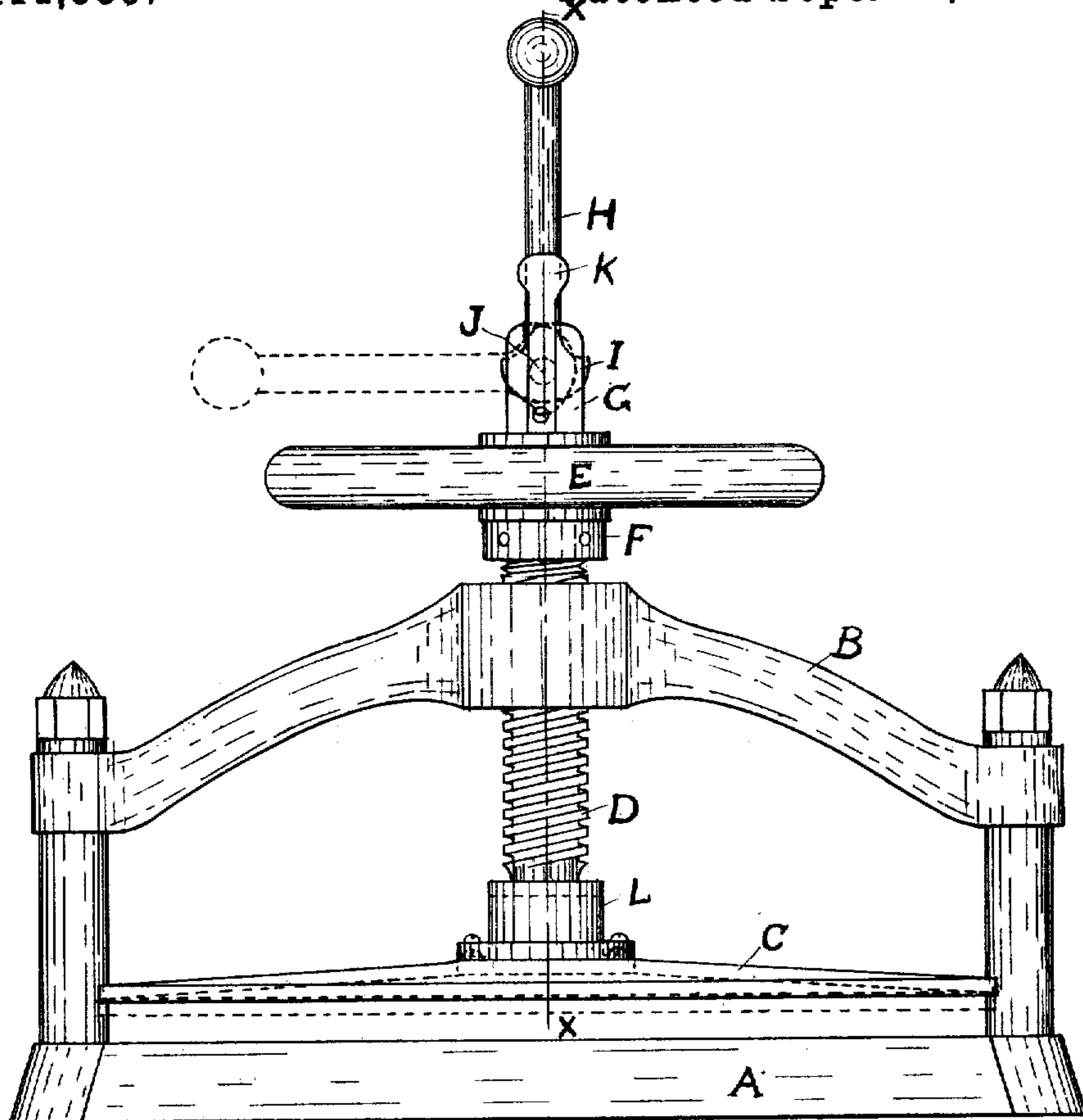


Fig. 1.

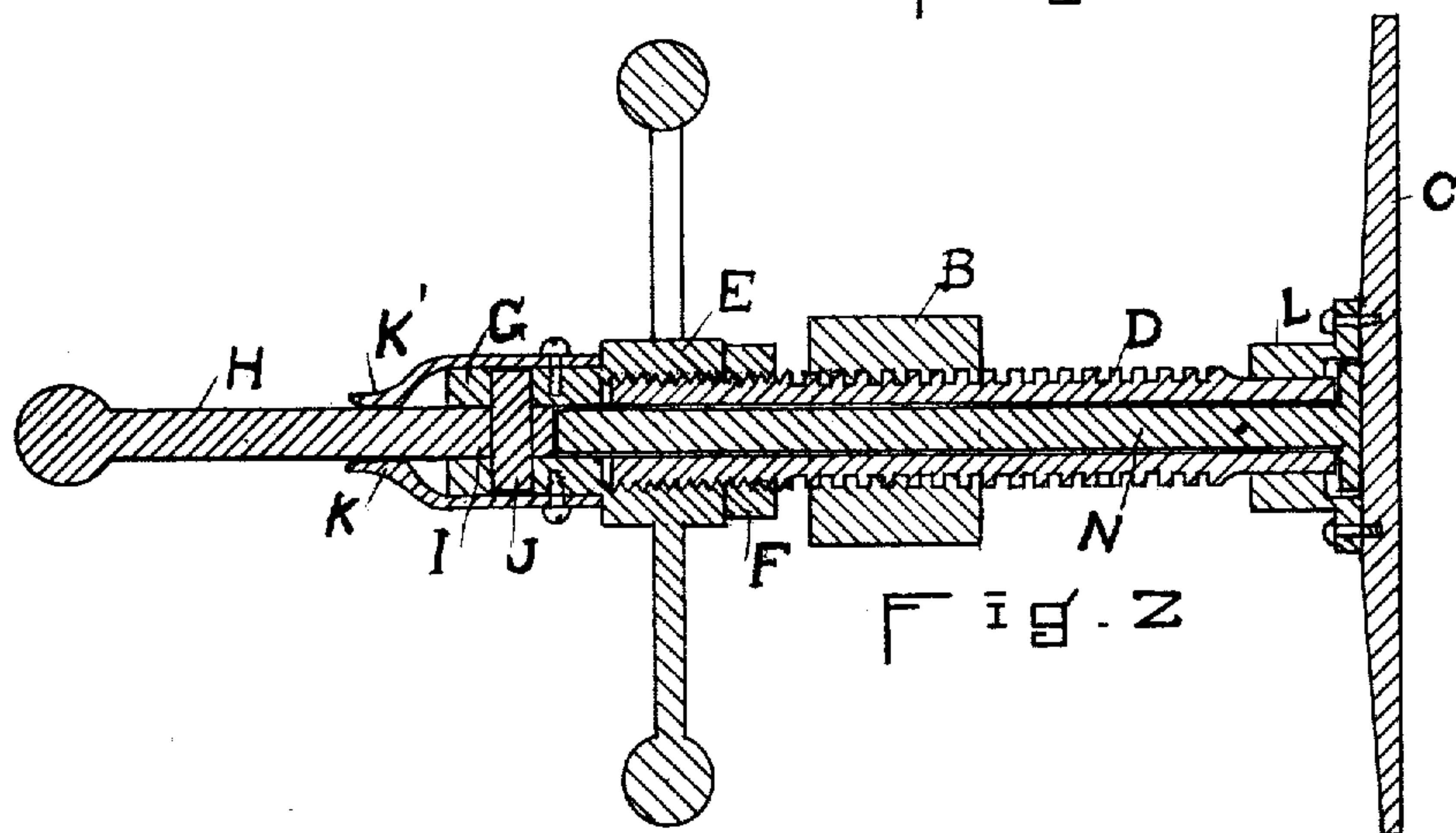


Fig. 2.

WITNESSES.  
*Henry Little*  
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INVENTOR.  
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# UNITED STATES PATENT OFFICE.

WALTER E. TRUFANT, OF NEW HAVEN, CONNECTICUT.

## COPYING-PRESS.

**SPECIFICATION** forming part of Letters Patent No. 411,559, dated September 24, 1889.

Application filed August 18, 1888. Serial No. 283,125. (No model.)

*To all whom it may concern:*

Be it known that I, WALTER E. TRUFANT, of New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Copying-Presses, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to certain improvements in presses used for taking impression-copies of written matter upon dampened pages by means of mechanical pressure, the object being to provide a press which retains all the convenience of the ordinary screw-press, but which can be more easily and quickly operated, and at the same time giving greater pressure.

It consists of a screw-press, which may be of the ordinary construction, having a press-shaft through the center of the pressing-screw operated by a cam pivoted to the top of said screw, which cam is operated by a lever, and in devices for adjusting the length of the screw as related to said press-shaft, and for holding the lever in position when not in use.

Figure 1 in the drawings is a side elevation of a copying-press embodying my improvements. Fig. 2 is a section of the same, taken through the line X X.

Similar letters refer to similar parts in both figures.

A is the base of the press.

B is the yoke, which extends over the base and supports the pressing-screw D.

C is the platen, upon which the screw acts, and between which and the base the book is pressed. L is a socket upon the platen, which receives the end of the screw.

N is the press-shaft, which passes through the axis of the screw D and rests upon the platen. The cam I is pivoted to the top of the screw, so as to act upon the top of the press-shaft, and is operated by the lever II.

E is a sleeve threaded to and forming a part of the screw D, and is used to adjust the length of the screw in relation to the press-shaft, and is made fast to said screw by the lock-nut F. In this case the sleeve E is also used as a hand-wheel for operating the screw.

G and G' are lips upon the sleeve, between which the cam I is pivoted by means of the pin J.

K and K' are springs fastened to the lips G and G', which clasp and hold the lever II in an upright position when not in use.

The operation of my invention is as follows: The copy-book containing the letters to be copied is placed upon the base-plate A, and the platen C brought down to rest upon it by turning the screw D to the right. The cam I is then, by means of the lever II, brought to the position shown by the dotted lines in Fig. 1, thus forcing the press-shaft down upon the platen C and forcing said platen down away from the screw to the position indicated by the dotted lines in Fig. 1. When the book has been pressed a sufficient length of time, the lever II is brought to an upright position, where it is held by the springs K and K'. The pressure then being removed, the platen is raised to allow the book to be easily removed by turning the press-screw to the left.

If the press-shaft or cam become worn or upset, they may be readjusted by loosening the lock-nut F and screwing down the sleeve E to the proper position. I do not confine myself to the use of a lock-nut for holding the sleeve fast to the screw, and may use a removable key or other means when desirable.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a copying-press, the combination, with a base-plate platen and yoke, of a screw passing through the yoke, having a press-shaft passing through its axis and resting upon the platen and operated by a cam pivoted to the upper end of said screw, whereby the pressure is applied and removed, substantially as and for the purpose described.

2. In a copying-press, the combination, with the operating-screw having a press-shaft passing through its axis and operated by a cam, of a sleeve forming the upper end of said screw to which said cam is pivoted, said sleeve being threaded to said screw, whereby the wear of the parts may be taken up, substantially as and for the purpose described.

3. In a copying-press, the combination, with an operating-screw having a press-shaft



passing through its axis, actuated by a cam  
pivoted to the upper end of said screw and  
operated by a lever, and springs fastened to  
said screw, which clasp and hold said lever  
5 in an upright position, substantially as and  
for the purpose described.  
In testimony whereof I have signed my name

to this specification, in the presence of two sub-  
scribing witnesses, on this 14th day of August,  
A. D. 1888.

WALTER E. TRUFANT.

Witnesses:

JOSEPH H. KEEFE,

EDWIN PURRINGTON.