(No Model.)

L. P. BOSWORTH.

JEWELER'S PRESS.

No. 313,650. Patented Mar. 10, 1885.

Fig. 1.

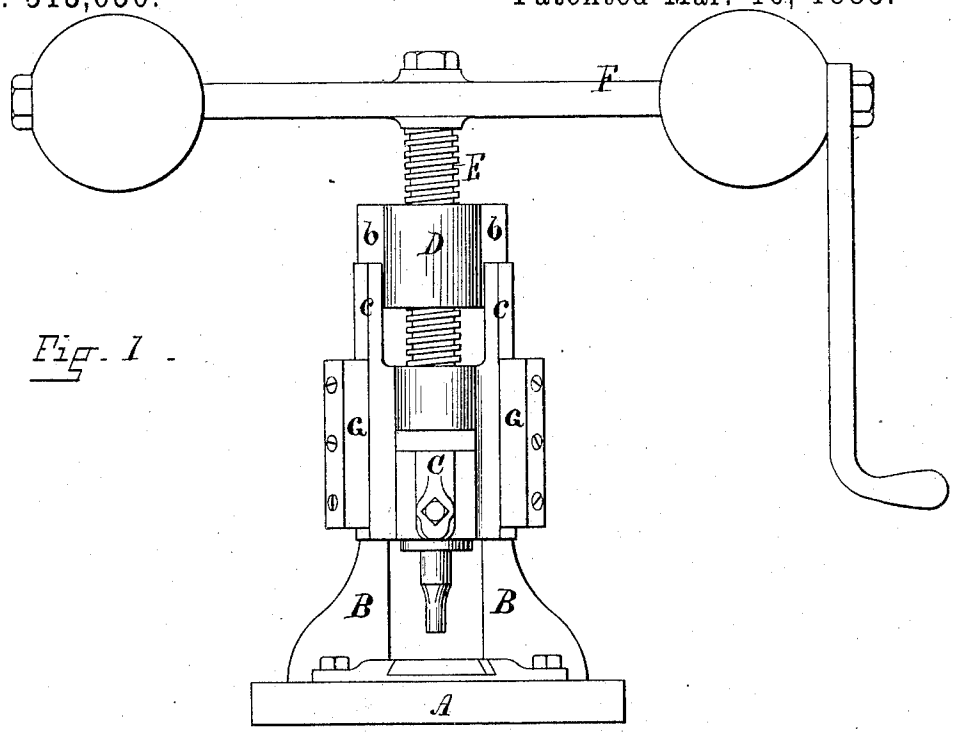
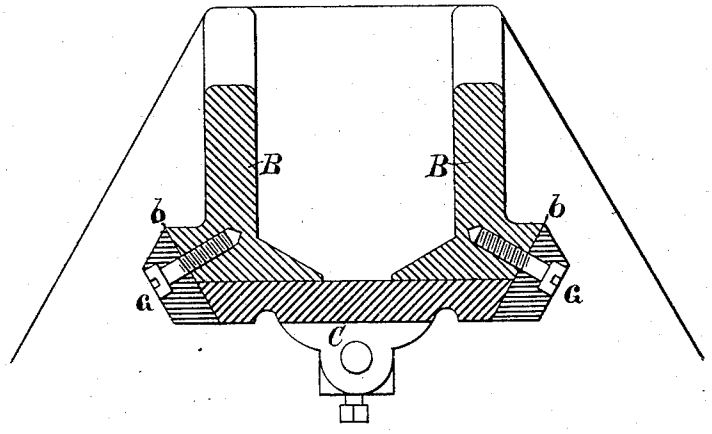


Fig. 2.



WITNESSES:
Wm. L. Craft
C. H. Louthan Jr.

INVENTOR:
Lorenzo P. Bosworth
by Joseph A. Miller & Co
Attys

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

LORENZO PLINY BOSWORTH, OF PAWTUCKET, RHODE ISLAND.

JEWELER'S PRESS.

SPECIFICATION forming part of Letters Patent No. 313,650, dated March 10, 1885.

Application filed June 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, LORENZO PLINY BOSWORTH, of Pawtucket, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Jewelers' Presses; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to the slide or ways of a jeweler's press; and it consists in the peculiar and novel construction of the standard and the cheek-pieces, by which greater accuracy in the working of the cross-head and economy in the construction of the press are secured, as will be more fully set forth hereinafter.

Figure 1 is a view of a jeweler's press constructed after my invention. Fig. 2 is a sectional view of the standard, showing the peculiar construction of the same.

In the drawings, A is the base, B the standard, C the cross-head, D the screw-nut, E the screw, and F the operating-lever.

In jewelers' presses as heretofore constructed the ways in which the cross-head reciprocates were secured to the face of the standard, which therefore required to be of great width. These slides were difficult to plane and to be accurately adjusted so as to guide the cross-head true in the line of the axis of the screw and without binding or friction. To avoid all these difficulties and simplify the construction I plane the two edges *b b* of the standard on the same bevel as the two sides of the cross-head C, and secure the cheek-pieces G G to the beveled edges of the standard with screws, so as to extend over the beveled sides of the cross-head and form a guide for the same, as is clearly shown in Fig. 2, and for the purpose of giving a long and true bearing to the cross-head I extend the two sides *c c* beyond and above the cross-head, as is shown in Fig. 1. By this construction material is saved without diminishing the strength of the press, the labor in planing the guides and standard is materially lessened, and much greater accuracy secured in the position of the cross-head relative to the slides.

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

As an improvement in the construction of jewelers' presses, the frame B, having the edges of its flanges beveled, as at *b*, and the cross-head C, having its edges beveled in directions corresponding to the bevels *b*, and provided with the guide-extensions *c c*, jointly with the cheek-pieces G, covering the said beveled edges, and fastened to frame B by screw-bolts, all substantially as shown and described.

LORENZO PLINY BOSWORTH.

Witnesses:
J. A. MILLER, Jr.,
M. F. BLIGH.