

(Model.) P. L. SYLVESTER.
Apparatus for the Manufacture of Buttons from Plastic
Material.

No. 230,083.

Patented July 13, 1880.

Fig. 1.

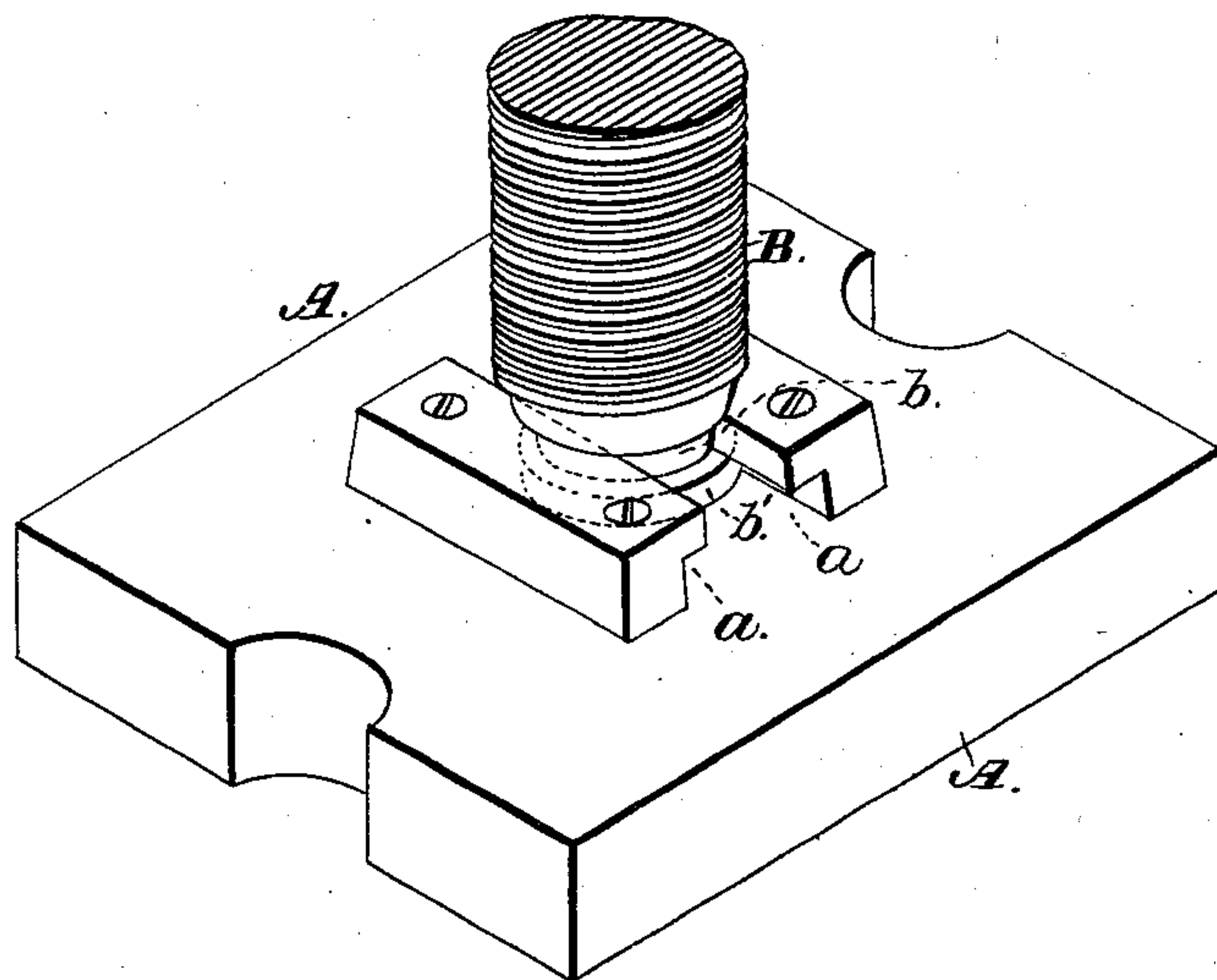


Fig. 2.

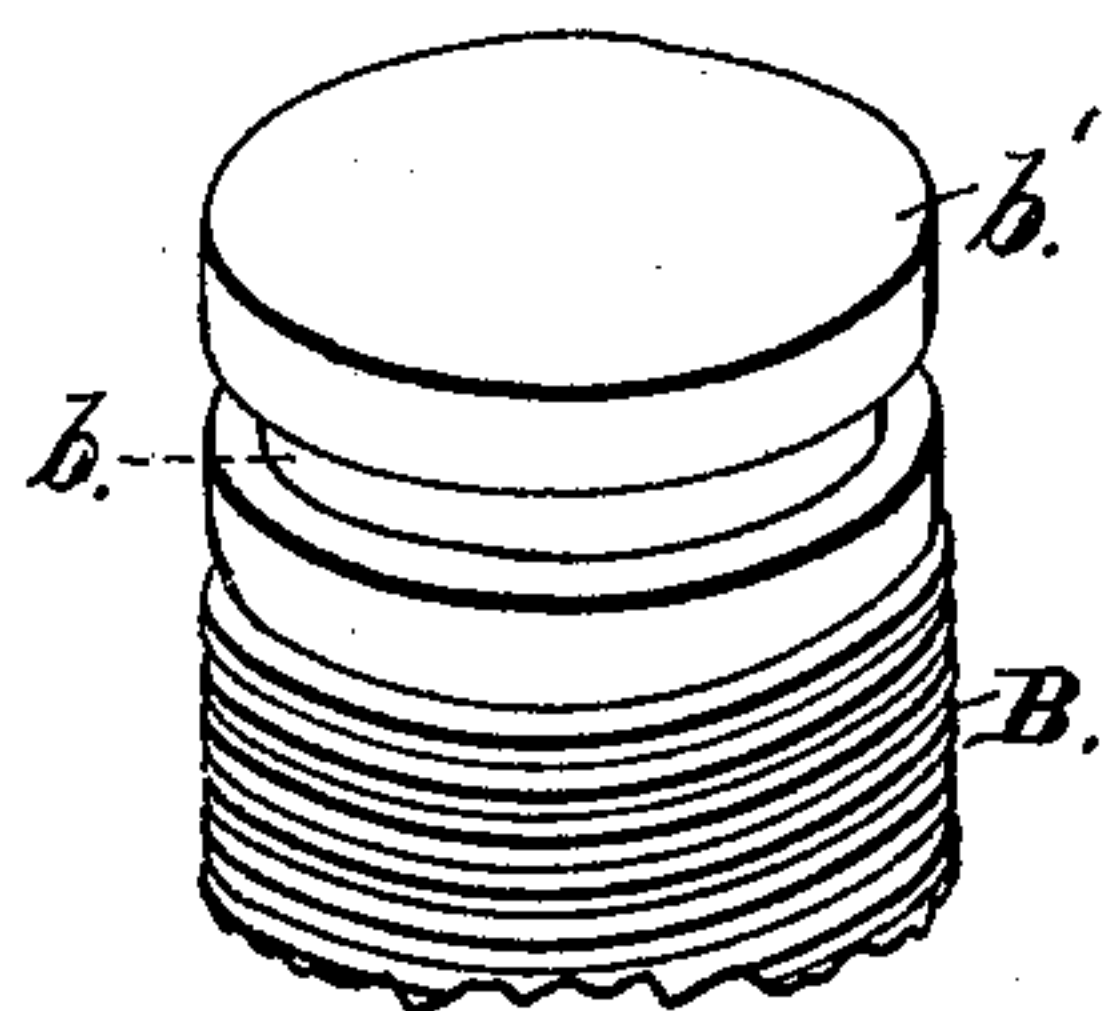
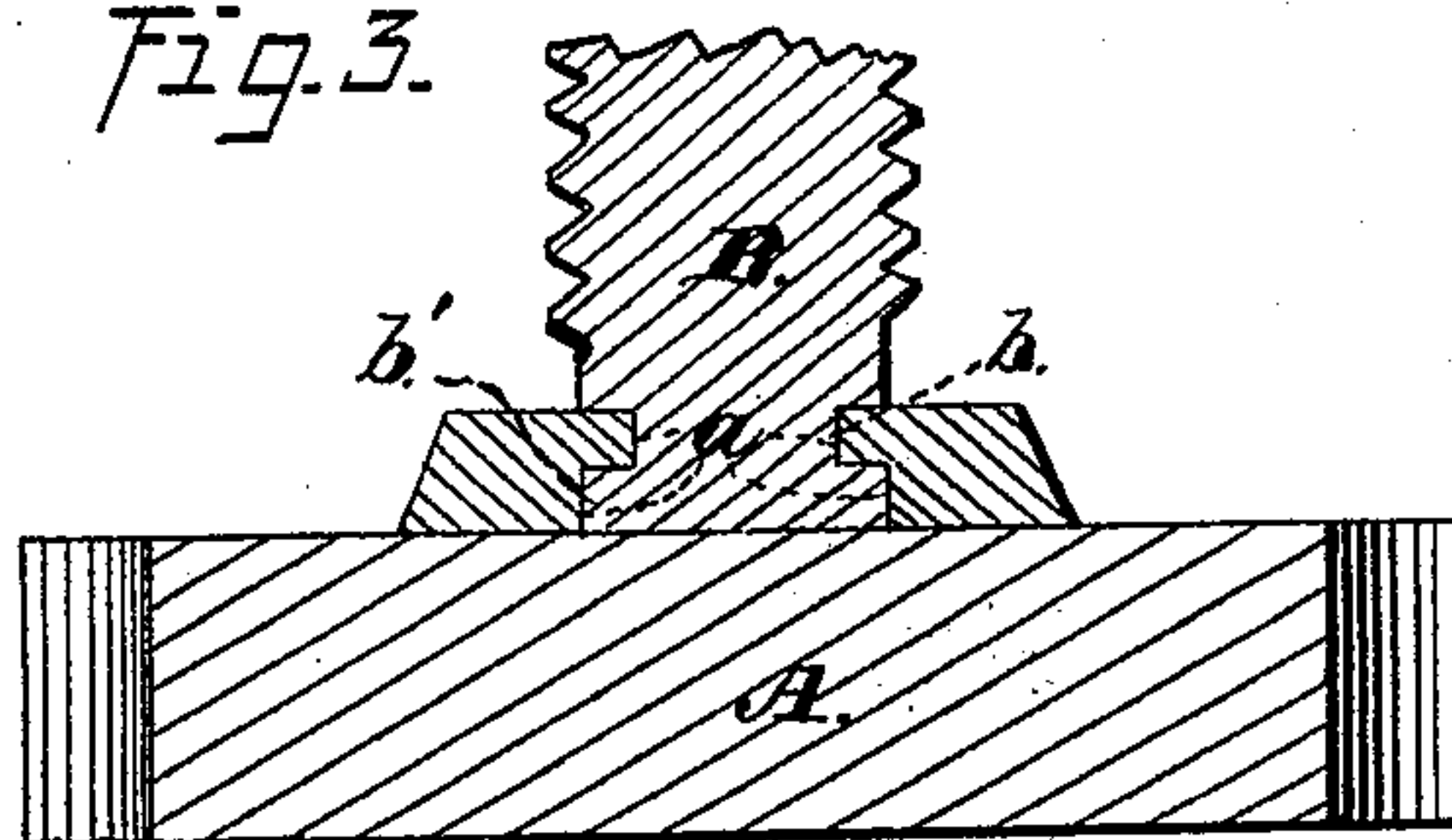


Fig. 3.



WITNESSES=
Jas. E. Hutchinson.
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Geo. S. Prindle, his Atty

UNITED STATES PATENT OFFICE.

PHILIP L. SYLVESTER, OF AUBURN, NEW YORK, ASSIGNOR TO WOODRUFF
BROS., OF SAME PLACE.

APPARATUS FOR THE MANUFACTURE OF BUTTONS FROM PLASTIC MATERIAL.

SPECIFICATION forming part of Letters Patent No. 230,083, dated July 13, 1880.

Application filed May 18, 1880. (Model.)

To all whom it may concern:

Be it known that I, PHILIP L. SYLVESTER, of Auburn, in the county of Cayuga, and in the State of New York, have invented certain new and useful Improvements in Apparatus for the Manufacture of Buttons from Plastic Material, (Case H;) and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of a platen and screw connected together by my improved means. Fig. 2 is a like view of the lower end of said screw detached from said platen, and Fig. 3 is a cross-section of said parts.

Letters of like name and kind refer to like parts in each of the figures.

In the use of presses for the manufacture of buttons from plastic material in which a platen is forced downward by means of a screw the latter is usually swiveled upon the upper side of the latter within a box that is secured to said platen by screws, and is difficult to place in or remove from position—an operation frequently necessary.

The object of my invention is to enable the platen to be easily and quickly connected with or disconnected from the screw; and to this end it consists in the combination of a platen provided within its upper face with a **L**-shaped open-end groove with a screw having its engaging end necked to correspond to and pass into said groove, substantially as and for the purpose hereinafter specified.

In the annexed drawings, A represents the platen of a press provided upon its upper side with a **L**-shaped groove, *a*, that extends partly or wholly across the same, and has one or both of its ends open.

The operating-screw B has its lower end necked by means of a circumferential groove, *b*, the diameter of said screw within said groove being slightly less than the width of the narrowest portion of the groove *a*, and the vertical and horizontal dimensions of the part *b'* below said groove *b* corresponding to the transverse dimensions of the lower portion of said groove *a*, so that said screw may have its said lower end contained within said groove, as shown by Figs. 1 and 3.

The groove *a* may be formed within the body of the platen, it may be formed within a raised portion of the same, or it may be formed by attaching strips to or upon the upper face of said platen; but in either case the platen A may be connected with or disconnected from the screw B by moving the former laterally, and when thus connected the pivotal bearing is sufficient for all practical purposes.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

As an improvement in the manufacture of buttons from plastic material, the combination of a platen provided within its upper face with a **L**-shaped open-end groove with a screw having its engaging end necked to correspond to and pass into said groove, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of May, 1880.

P. L. SYLVESTER.

Witnesses:

P. C. WOODRUFF,
H. WOODRUFF.