

A. M. SMITH.

Glass-Presses.

No. 135,292.

Patented Jan. 28, 1873.

Fig: 1.

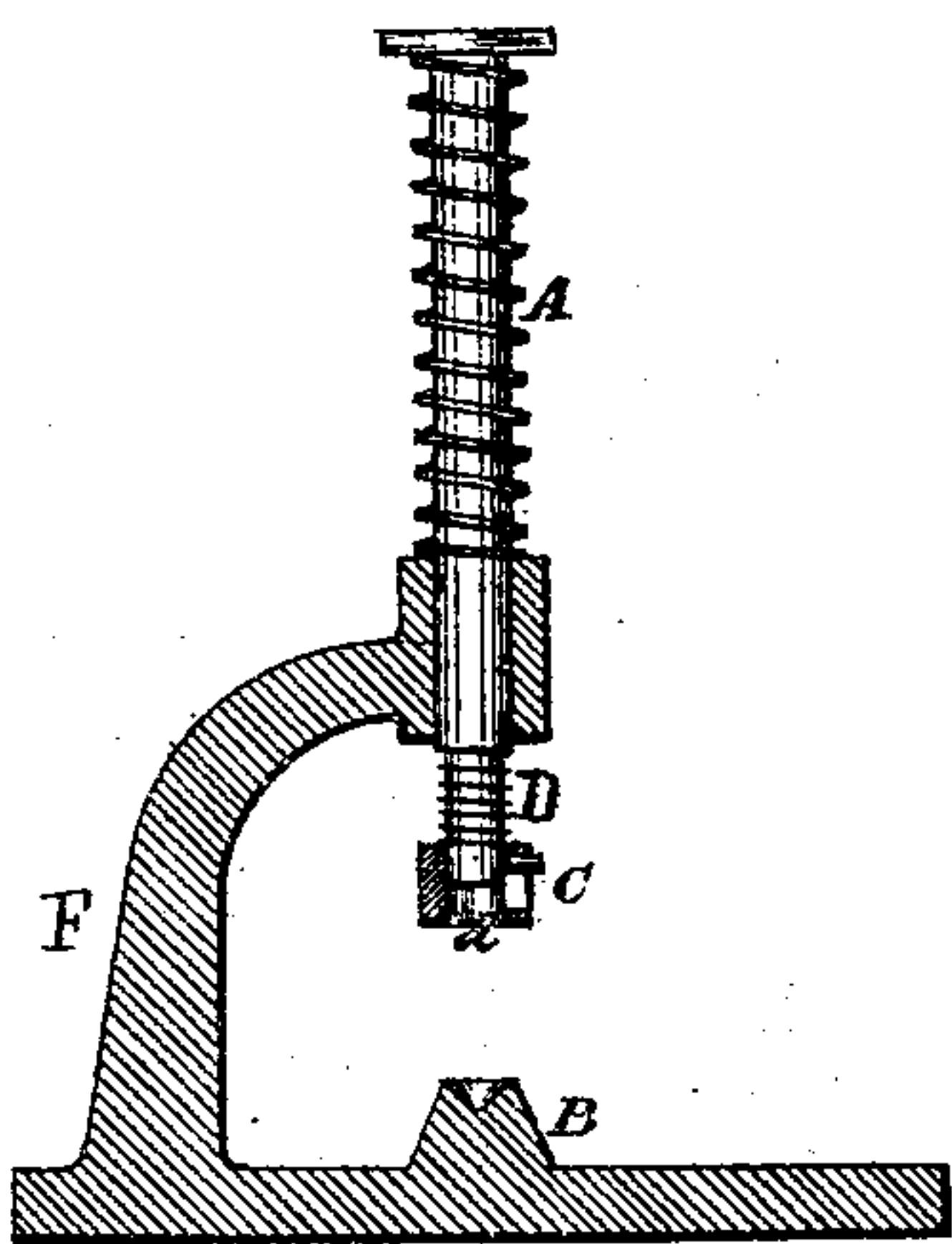


Fig: 2.

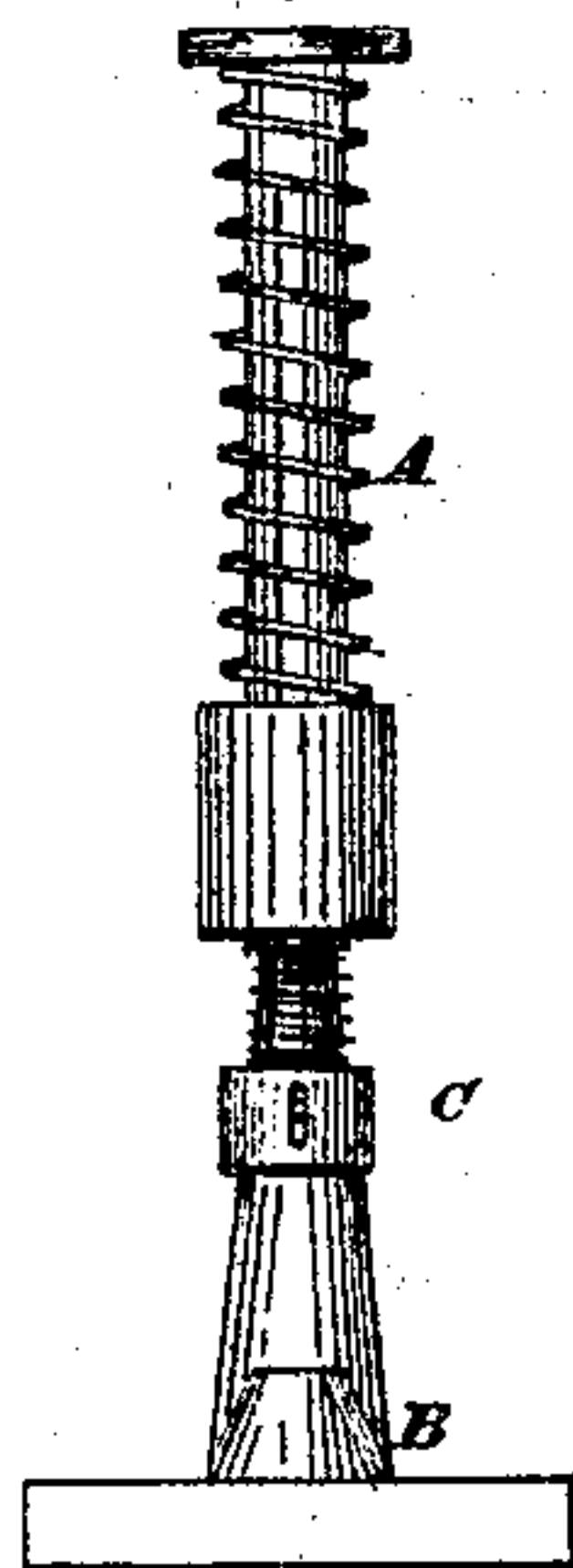
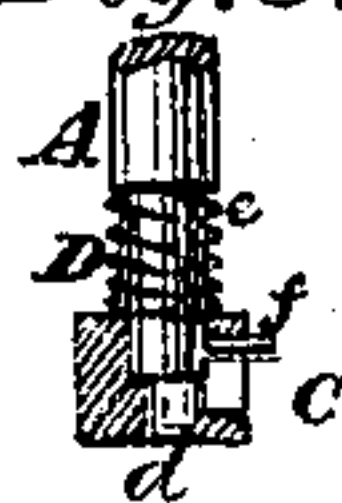


Fig: 4.



Fig: 3.



Witnesses.
John H. Fox
Frederick A. Fox

Albert M. Smith

UNITED STATES PATENT OFFICE.

ALBERT M. SMITH, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN GLASS-PRESSES.

Specification forming part of Letters Patent No. **135,292**, dated January 28, 1873.

To all whom it may concern:

Be it known that I, ALBERT M. SMITH, of the city of Brooklyn, county of Kings and State of New York, have invented certain Improvements in Glass-Presses for Making Glass Centers, Imitation Stones, Buttons, &c., of which the following is a specification:

The nature of my improvement consists in so constructing a glass-press as to first cut off in the die, from the main body of the glass used, a sufficient-sized piece to make the article, and then press it into shape, as hereinafter more fully described.

Figure 1 is a vertical section of a glass-press embodying my invention; Fig. 2, a perspective front view; Figs. 3 and 4, sectional views.

I make the press-frame F, for holding the dies, &c., in the shape desired, and place in it the dies in the ordinary way. The glass is pressed into the die, as desired, by the plunger A, which is brought to bear on it just inside of the cutting-edge of the die B. On the plunger a ring, C, is fitted so as to cover the edge and project down below the end of it, as seen at *d*, so as to form a recess. I place a spring, D, on the plunger, so as to bear against a shoulder on it at *e*, and against the upper side of the ring C at *f*, so that when the whole is

brought down onto the glass or material used in a molten state the ring first comes in contact with the material and cuts a piece entirely off, which remains in the die; then allows the plunger to be forced down upon it, so as to fill or compress it into every part of the die.

It is well known to those in the art that buttons as commonly made require to have their edges, which are rough and jagged on coming from the press, ground, to finish them; but with my device the glass is first cut off and finished as to its edge by the ring C, and then the button or ornament is made by the pressure of the plunger.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of the plunger A, spring D, and slotted ring C with the die B for first cutting off the required amount of glass, and then pressing it into the die, by which the article is formed and finished on the edge at one operation, substantially as herein set forth.

ALBERT M. SMITH.

Witnesses:

JNO. H. FOX,
CHARLES D. EDDY,