

O. F. Grover  
Composing Stick

N<sup>o</sup> 15358.

Patented Jul. 15. 1856.

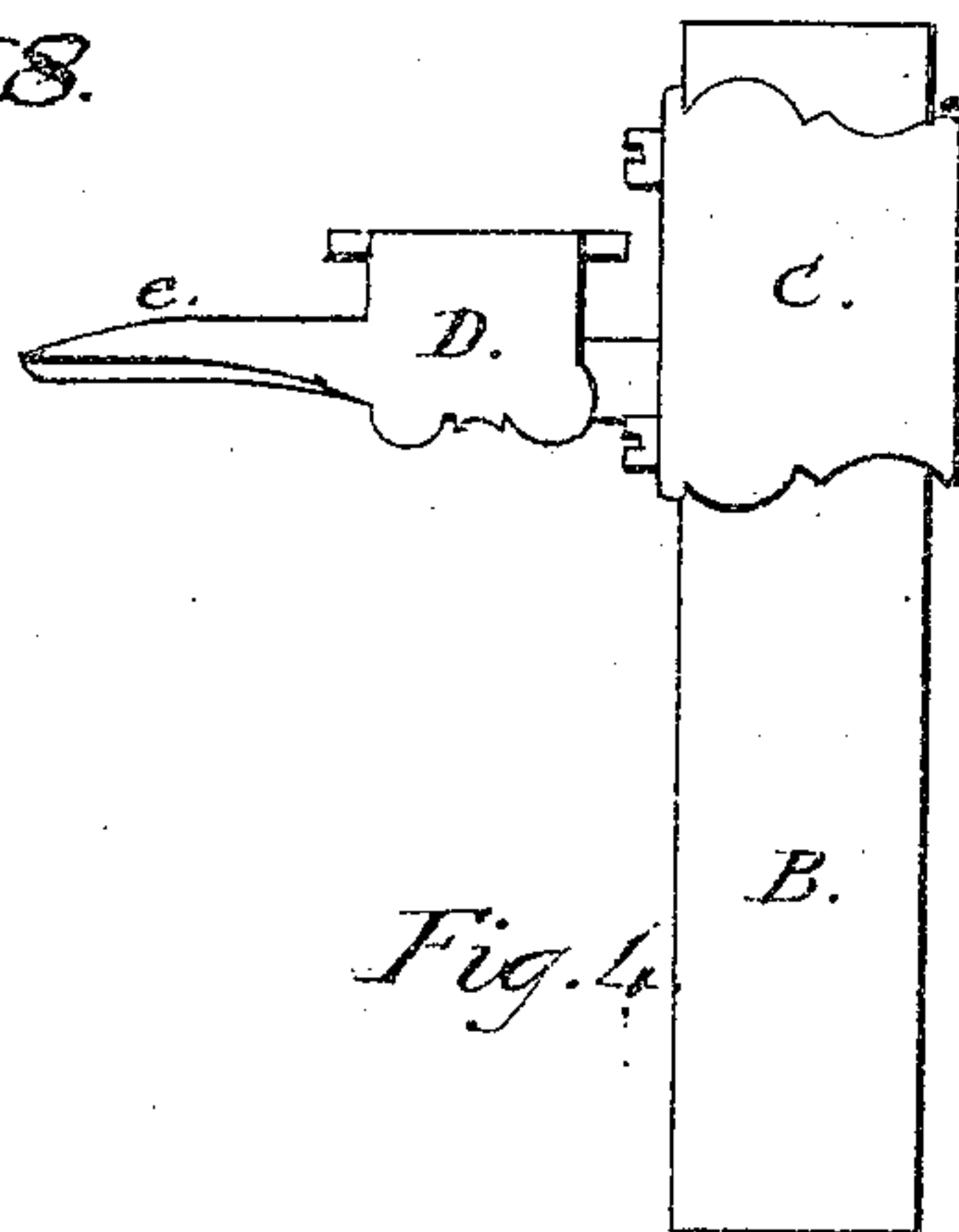


Fig. 4.

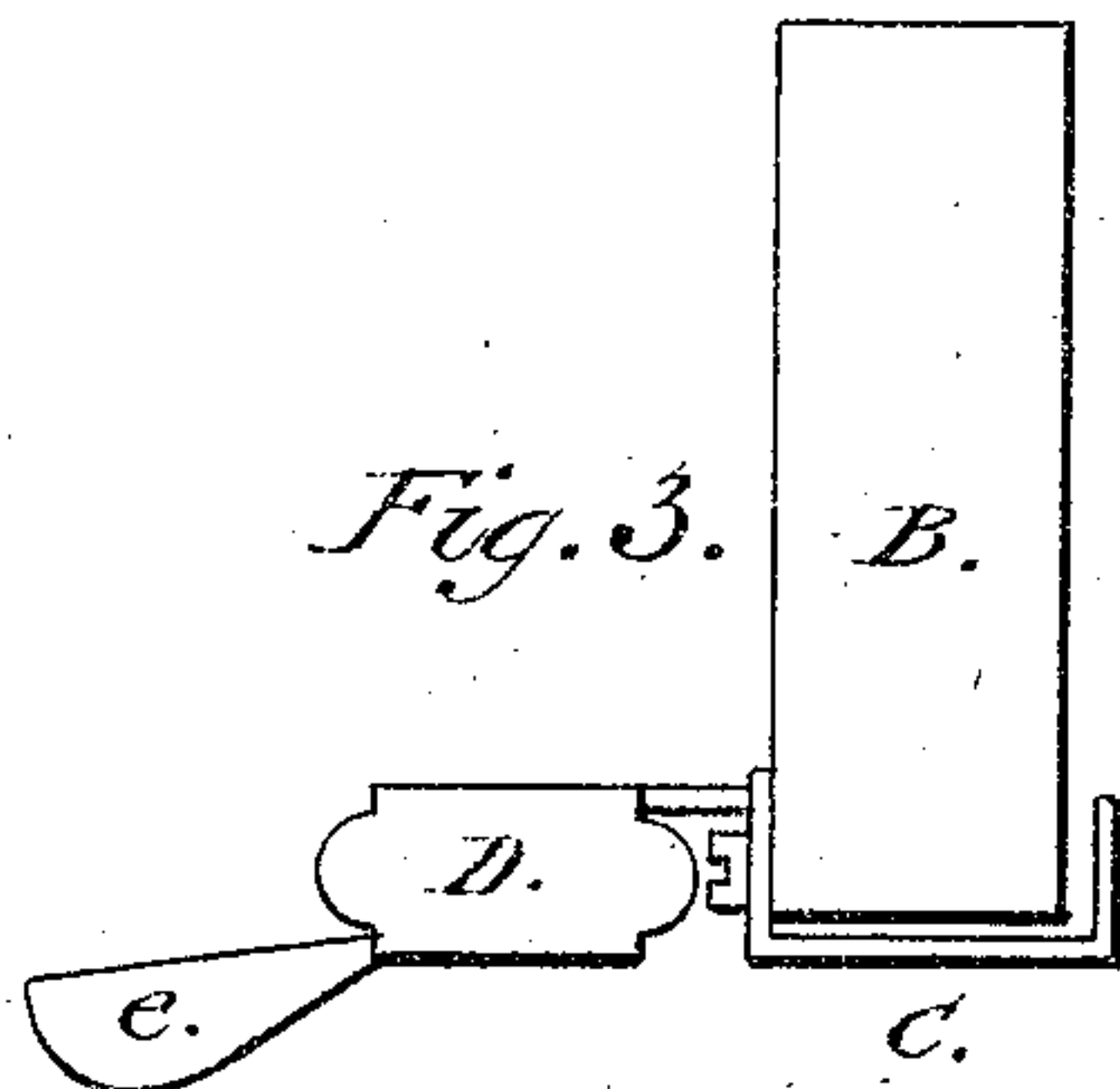


Fig. 3.

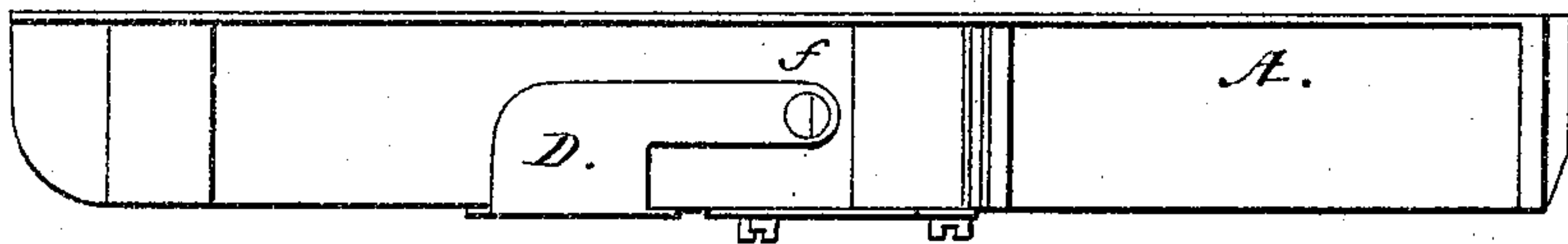


Fig. 2.

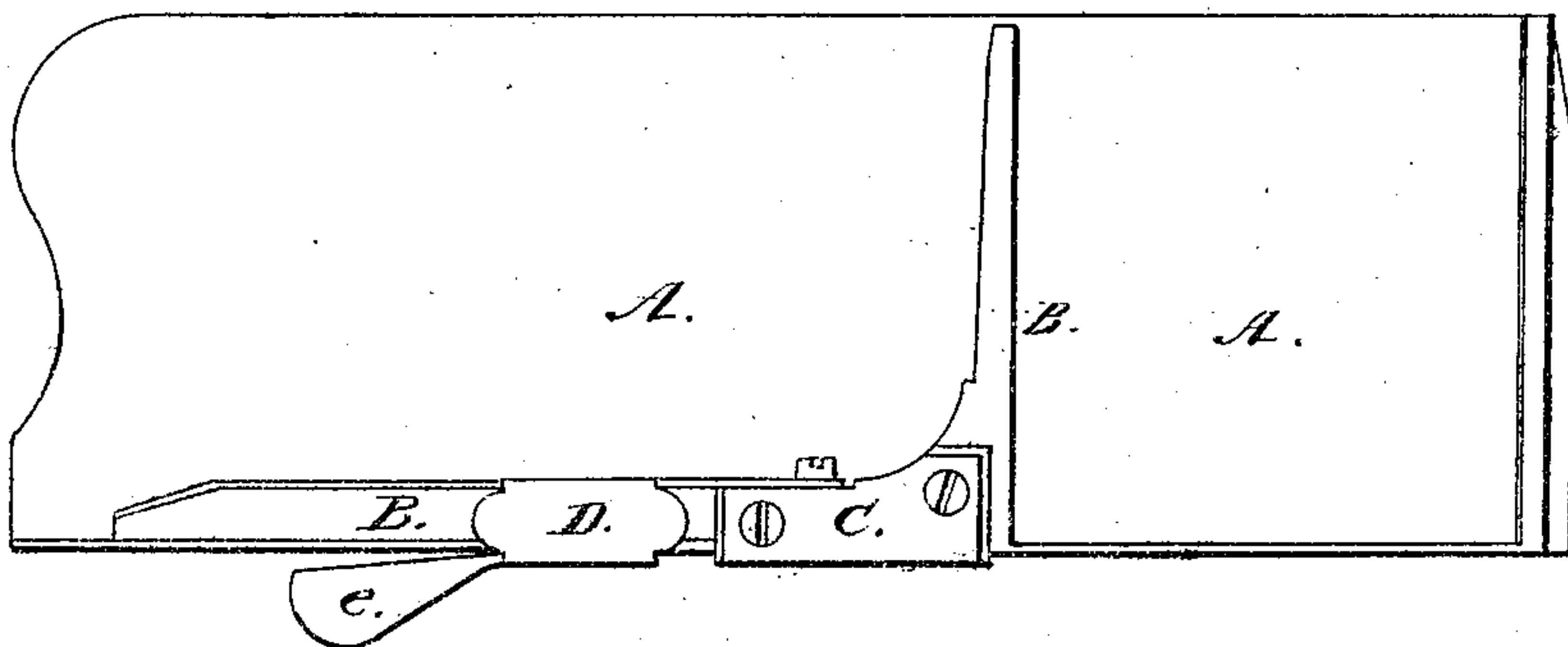


Fig. 1.

O. F. Grover  
Inventor.

# UNITED STATES PATENT OFFICE.

OLIVER F. GROVER, OF MIDDLETOWN, CONNECTICUT.

PRINTER'S COMPOSING-STICK.

Specification of Letters Patent No. 15,358, dated July 15, 1856.

*To all whom it may concern:*

Be it known that I, OLIVER F. GROVER, of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Improvement on Printers' Composing-Sticks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure I is a face view; Fig. II a side view showing the back of the slide and side of the clasp; Fig. III a view of the end of the slide with clasp raised; Fig. IV a view of the face of the slide with clasp raised.

The whole to be made of iron, brass, steel or any other desirable metal or composition of metals.

A A, Fig. I, the bed of instrument; B B, Fig. I, the slide moving in the bed A; C, Fig. I, the guide attached to slide and passing under the edge of the bed, as at C, Fig. III; D, Fig. I, top of the clasp, opening or shutting by means of a thumb piece *e*; D, Fig. II, inside of the clasp as it turns on the screw *f*; D, Fig. IV, outside of the clasp

raised; C, Fig. IV, face of the guide; C, Fig. III, end of the guide.

The operation of this instrument is simply this: The slide B is pressed closely against the bed by means of the guide C and is secured at whatever point desired by the clasp D, which arrangement of moving the slide B the whole length of the bed A without obstruction and setting the slide B in any place on the bed A wherever desired and securing it (the slide) in its place when set by shutting down of the clasp D.

What I claim as my invention, and desire to secure Letters Patent, is—

The application to the composing-stick of the guide C to prevent the slide B and the bed A from separating while adjusting the composing-stick, and the clasp D to secure and hold the slide B in its place on A when adjusted, as herein described, using for that purpose the aforesaid guide C and the clasp D, or any other substantially the same, and which will produce the intended effect.

O. F. GROVER.

Witnesses:

E. ROCKWELL,  
LORENZO HEMPSTEAD.