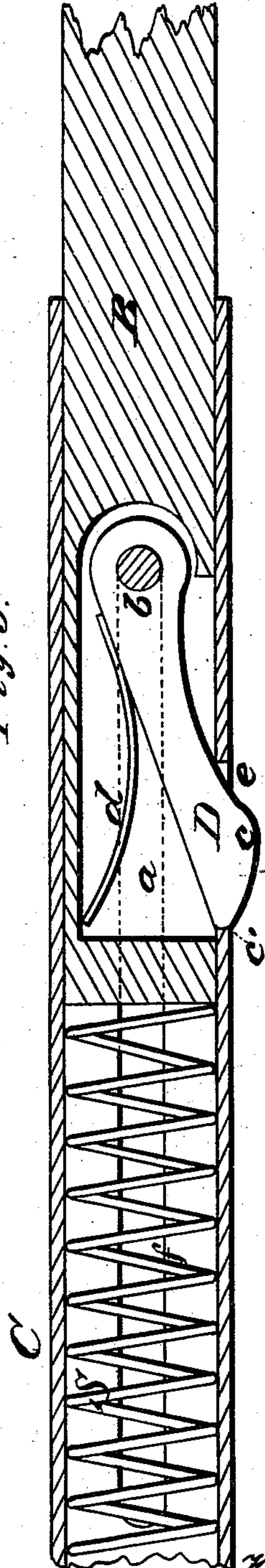
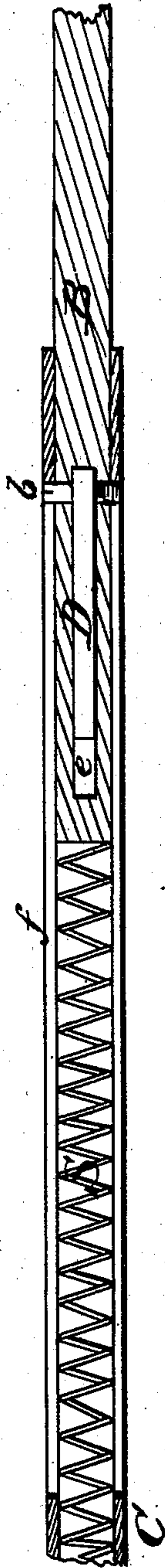
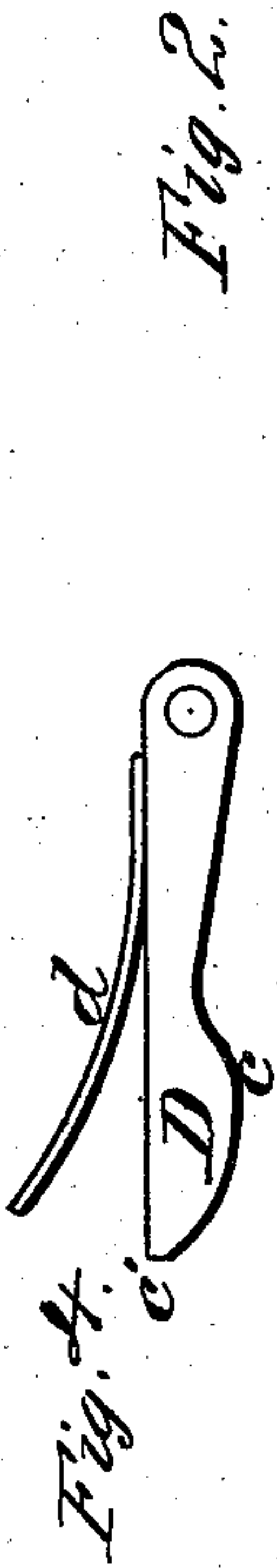
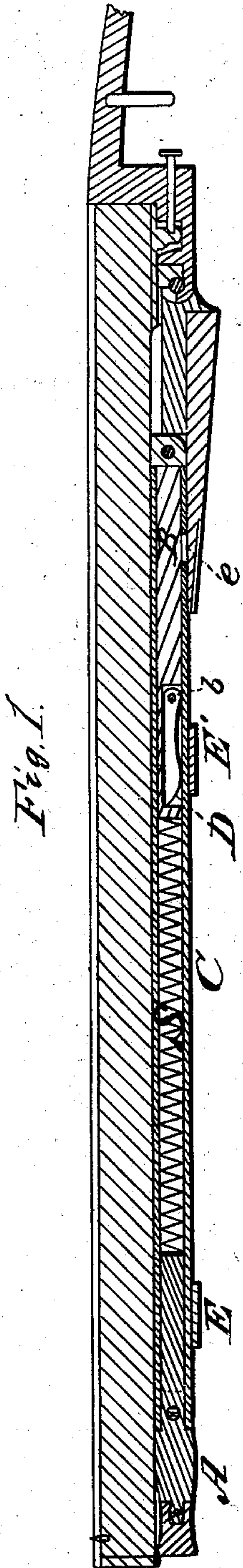


H. F. PETER.
Ramrods for Fire-Arms.

No. 156,497.

Patented Nov. 3, 1874.



WITNESSES
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UNITED STATES PATENT OFFICE.

HERMAN F. PETER, OF LANCASTER, OHIO.

IMPROVEMENT IN RAMRODS FOR FIRE-ARMS.

Specification forming part of Letters Patent No. **156,497**, dated November 3, 1874; application filed September 26, 1874.

To all whom it may concern:

Be it known that I, HERMAN F. PETER, of Lancaster, in the county of Fairfield and State of Ohio, have invented a new and valuable Improvement in Sectional Ramrods; 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, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical sectional view of my sectional ramrod. Fig. 2 is a longitudinal sectional view, Fig. 3 is a vertical sectional view, and Fig. 4 is a detail view, of the same.

This invention has relation to sectional ramrods, which are especially designed for breech-loading pieces wherein the barrel is hinged in front of its butt. The nature of my invention consists in a ramrod having a solid head applied to a tubular body, in the rear end of which is a solid sliding portion, provided with a spring-latch, and acted on by a helical spring contained in the body, the said spring-latch being so constructed and applied that in the act of inserting the rod in its thimbles one of these thimbles will press the latch inward, and allow the rod to be shortened, and when the rod is withdrawn it will be extended and held so by the latch, as will be fully explained hereinafter.

In the annexed drawings, Fig. 1, I have represented my improved ramrod applied in its place in a side arm, having its barrel hinged some distance in front of the butt. This ramrod is composed of two solid parts, A B, and an intermediate tubular part, C. The part A is the head of the rod, and is rigidly secured to the tube C. The part B is endwise mova-

ble in the tube C, and has a recess, *a*, in it, in which a latch, D, is pivoted by a pin, *b*. The free end of this latch has a swell, *c*, and a blunt catching extremity, *c'*, and this latch is acted on by a spring, *d*, which forces its swelled end outwardly, and causes it to enter a slot, *e*, through tube C, as shown in Fig. 3, thus holding the solid part B extended when the rod is removed from the thimbles E E'. A spring, S, presses out the solid part B, and the pin *b*, working in long slots *f f* through the tube C, prevents the expulsion of the part B, and also prevents it rotating in the tube C.

In the act of introducing the ramrod in its place in the gun, the thimble E' will press the latch inwardly and release the solid part B, thus allowing this part to slide inside of the tube C, and shorten the rod, as shown in Fig. 1. When, on withdrawing the ramrod, the latch D passes the thimble E', the spring S will force out the solid portion B, until it is caught and held by the latch entering the slot *e*. The rod is now the proper length for use.

I do not claim, broadly, a telescopic ramrod.

What I claim as new, and desire to secure by Letters Patent, is—

A sectional extensible ramrod, composed of parts A B C, automatic spring-latch D, and spring S, the tubular part being slotted at *f* *e*, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HERMAN F. PETER.

Witnesses:

JOHN S. BRASEE,
H. C. DRINKLE.