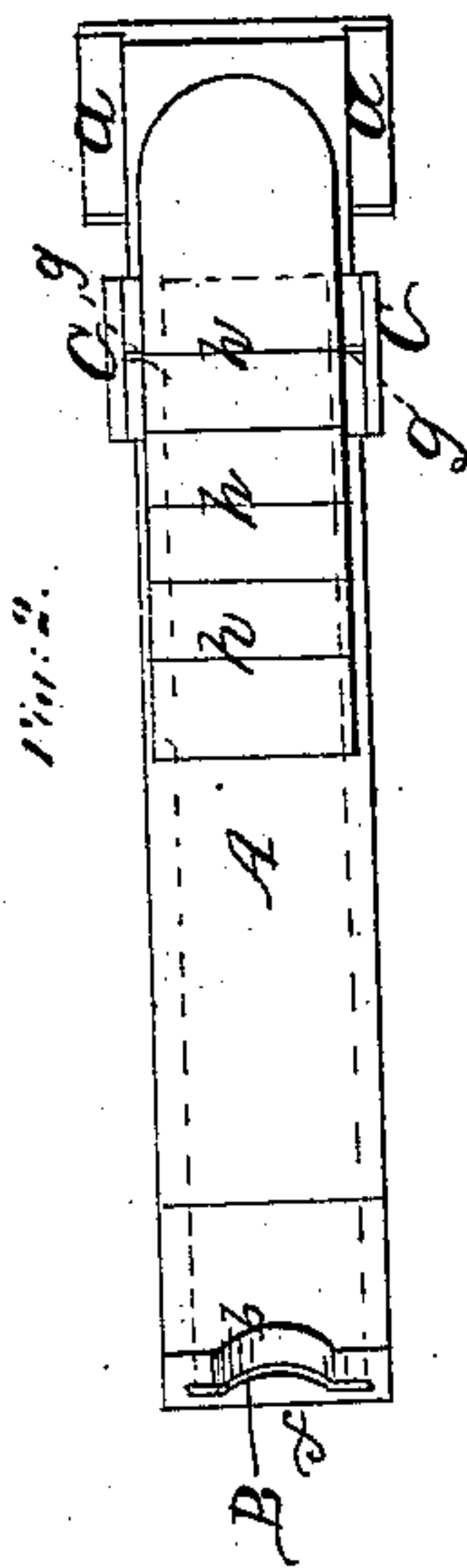
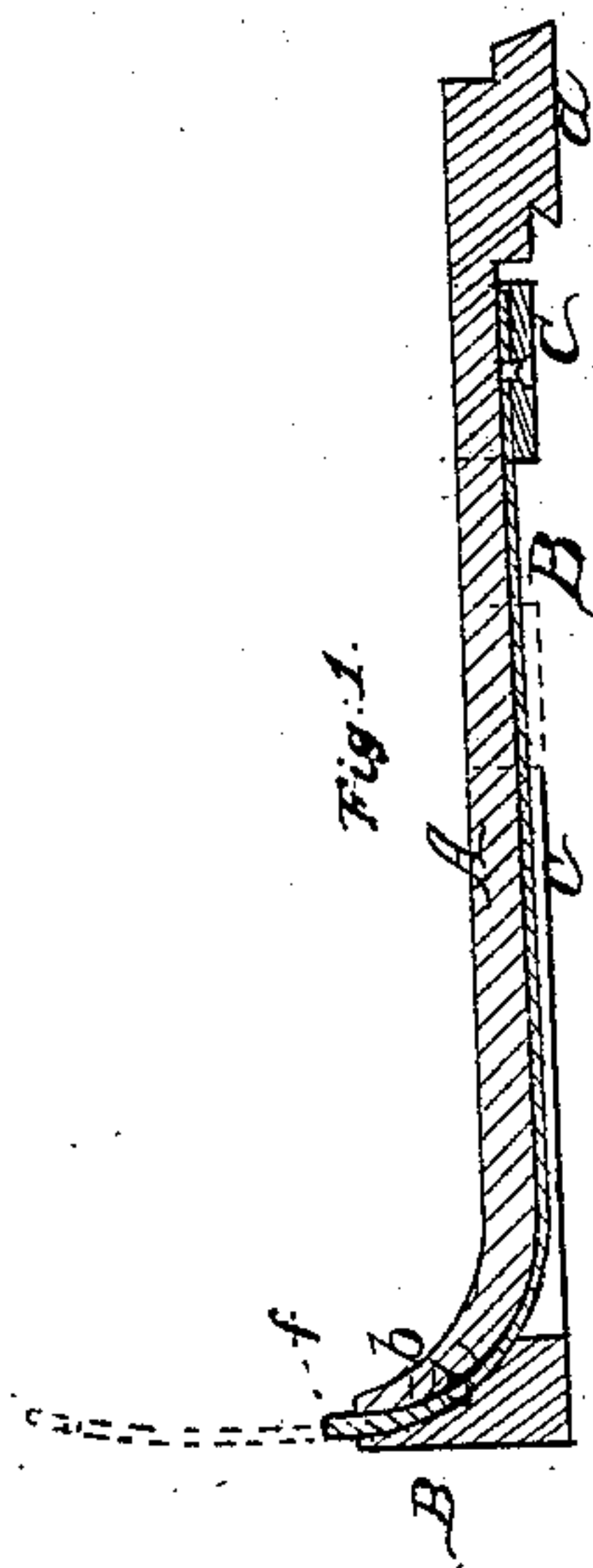
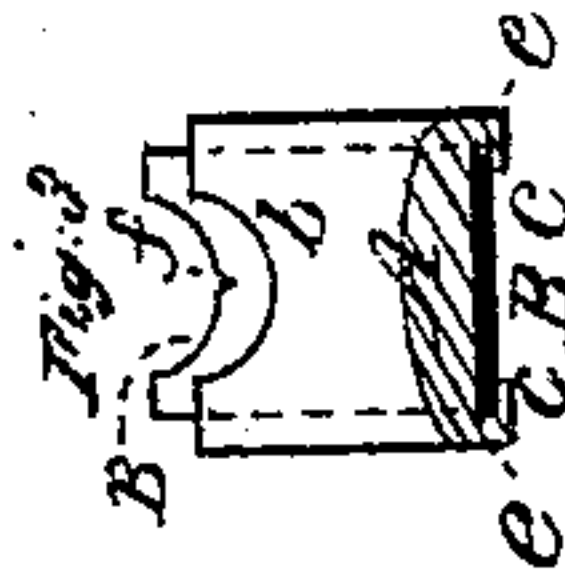


C. M. MILES.  
Sight for Fire-Arms.

No. 45,333

Patented Dec. 6, 1864.



Witnesses:  
Henry Merri  
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# UNITED STATES PATENT OFFICE.

CHARLES M. MILES, OF VINELAND, NEW JERSEY.

## IMPROVEMENT IN ADJUSTABLE SIGHTS FOR FIRE-ARMS.

Specification forming part of Letters Patent No. 45,333, dated December 6, 1864.

*To all whom it may concern:*

Be it known that I, CHARLES M. MILES, of Vineland, in the county of Cumberland and State of New Jersey, have invented a new and useful Improvement in Adjustable Sights for Fire-Arms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a central longitudinal vertical section of my adjustable sight on a scale larger than the natural size; Fig. 2, a plan view of the same; Fig. 3, a transverse vertical section of the same.

Similar letters of reference indicate like parts.

This invention consists in forming the sight notch or opening in one end of a spring of thin steel plate, which is fitted to slide through a curved slot in the fixed base-piece by which the sight is attached to the barrel of the fire-arm, a portion of the said spring being presented above the base in an upright or nearly upright position, and the notch or opening being raised or lowered for different distances by shifting the spring longitudinally through the base-piece.

A is the base-piece, made of greater length than usual, having the usual dovetail tongue under the rear portion of its bottom to enter a transverse groove in the top of the barrel of the fire-arm, and having its front end turned up, as shown at *b* in Fig. 1. This base has a vertical longitudinal groove, *c*, in its under side, which unites with an upwardly-curved slot, *d*, in the turned-up portion *a* of the base, and in the side of this groove there are two horizontal grooves, *e e*. (See Fig. 3.)

B is the spring, in the front end of which the sight-notch *f* is formed. This spring is composed of a long strip of thin steel plate, and is arranged within the groove *c*, and fitted to the grooves *e e* and slot *d*, and passes upward through the said slot, so that its notched front end projects upward above the upper extremity of the turned-up portion *b* of the base in an upright or nearly upright position. To the rear end of this spring there is riveted or otherwise firmly attached a slide-block, C, which passes under the bottom of and fits to the sides of the base, the sides of the groove *c* being cut away to permit the said slide to move lengthwise of the base a sufficient distance for the adjustment of the sight-spring.

The sight is adjusted for different distances by taking hold of the slide-block C with the fingers and moving it forward or backward along the base A, by which the spring B is moved through the slot *d* in such manner as to cause the front end, containing the sight-notch *f*, to be raised to a higher or lower position, according to the distance of the object to be shot at. The elevation of the sight for different distances is indicated by means of index-notches *g g* in the upper edges of the slide-block, and a scale of lines, *h h*, marked across the top of the base A. The lines may be marked with the different distances.

I claim as my invention and desire to secure by Letters Patent—

The spring B, containing the sight notch or opening *f*, sliding longitudinally through the base-piece A, substantially as and for the purpose herein specified.

CHARLES M. MILES.

Witnesses:

C. F. JONES,  
S. A. JONES.