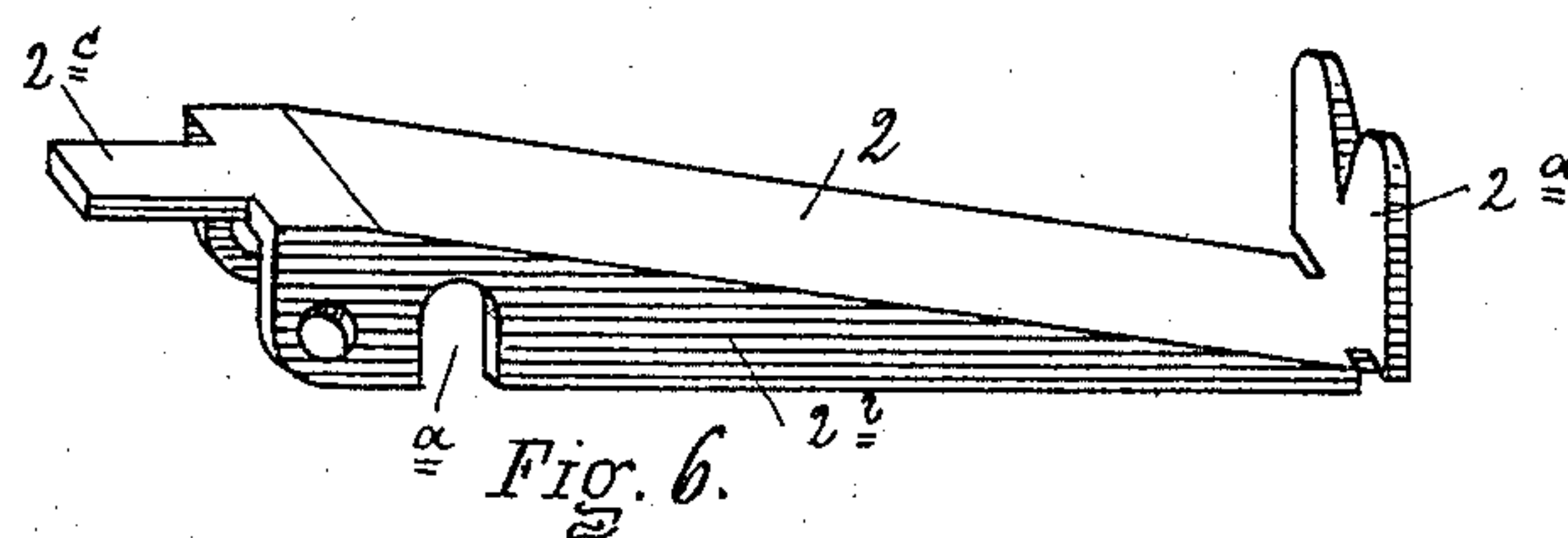
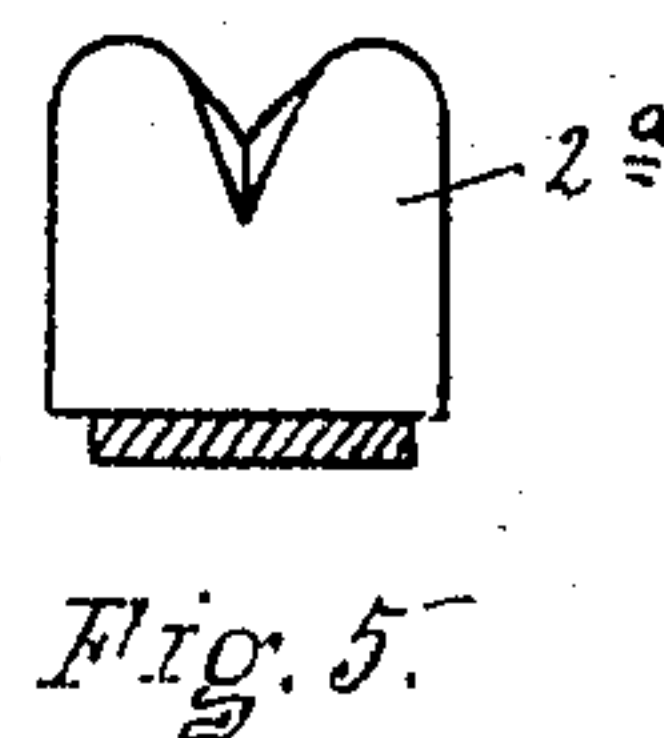
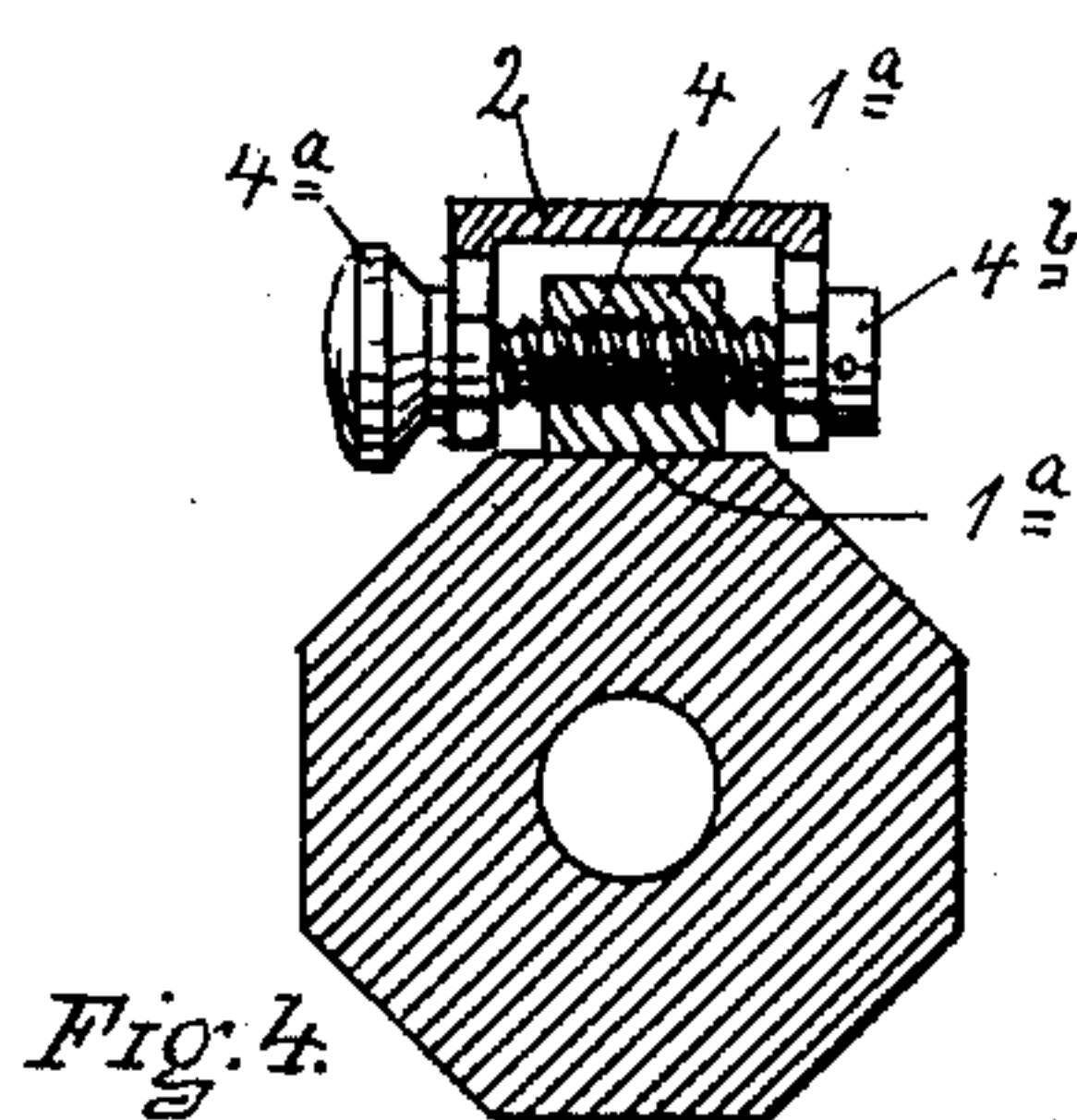
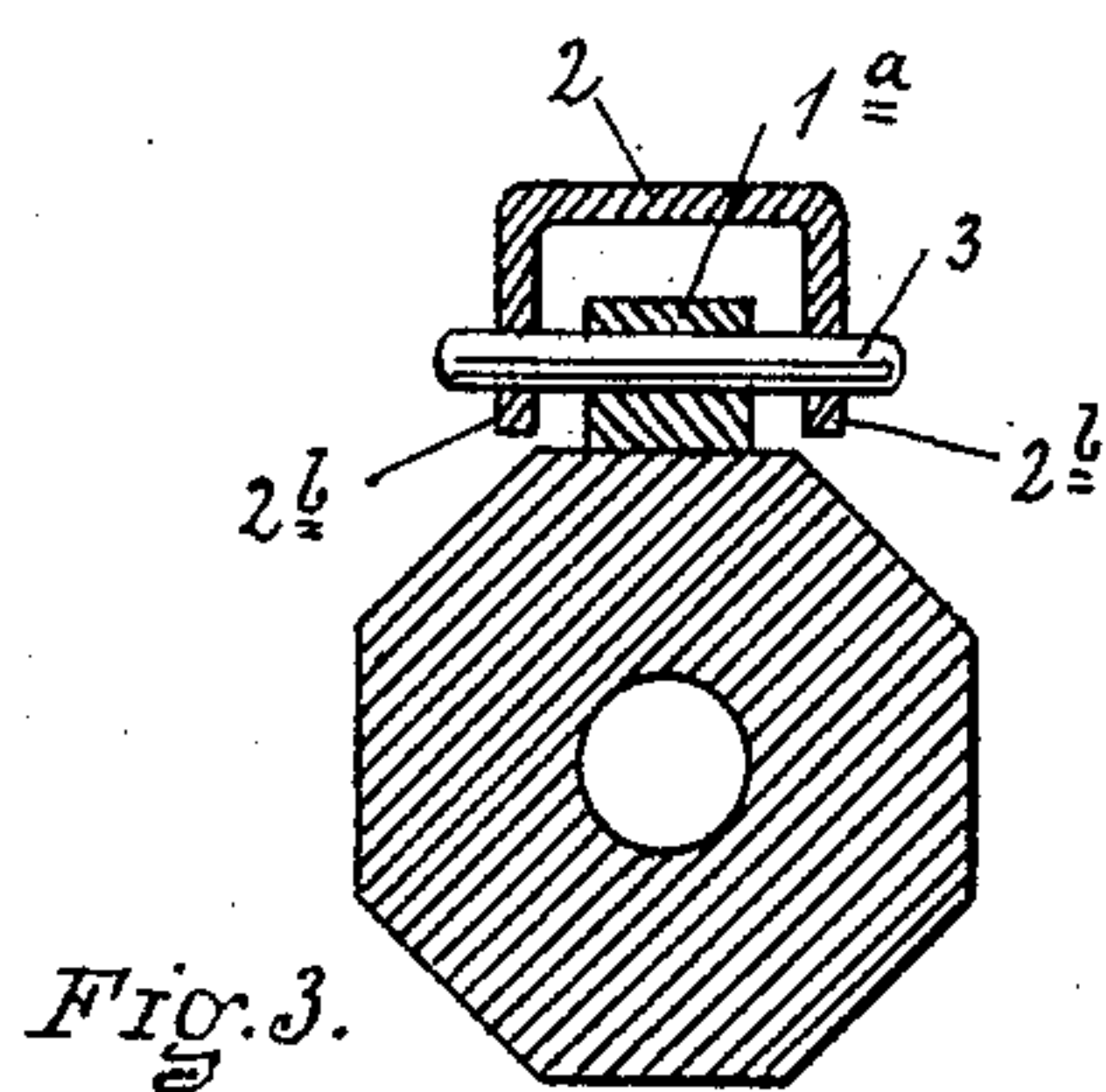
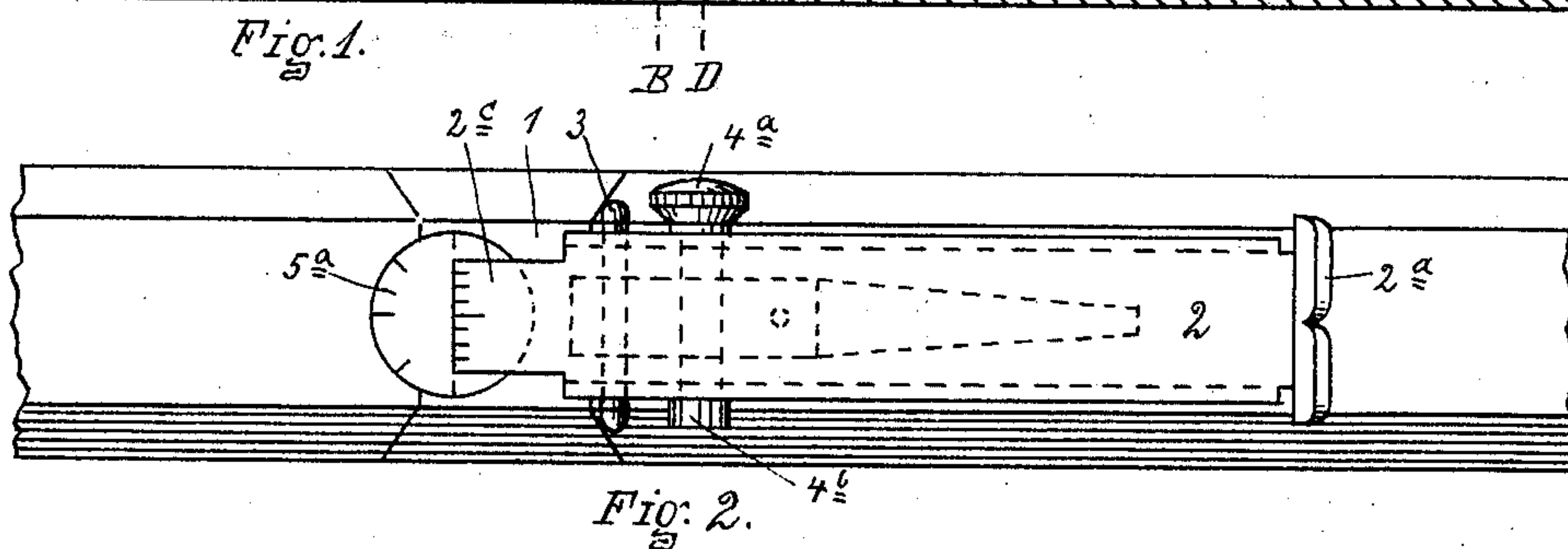
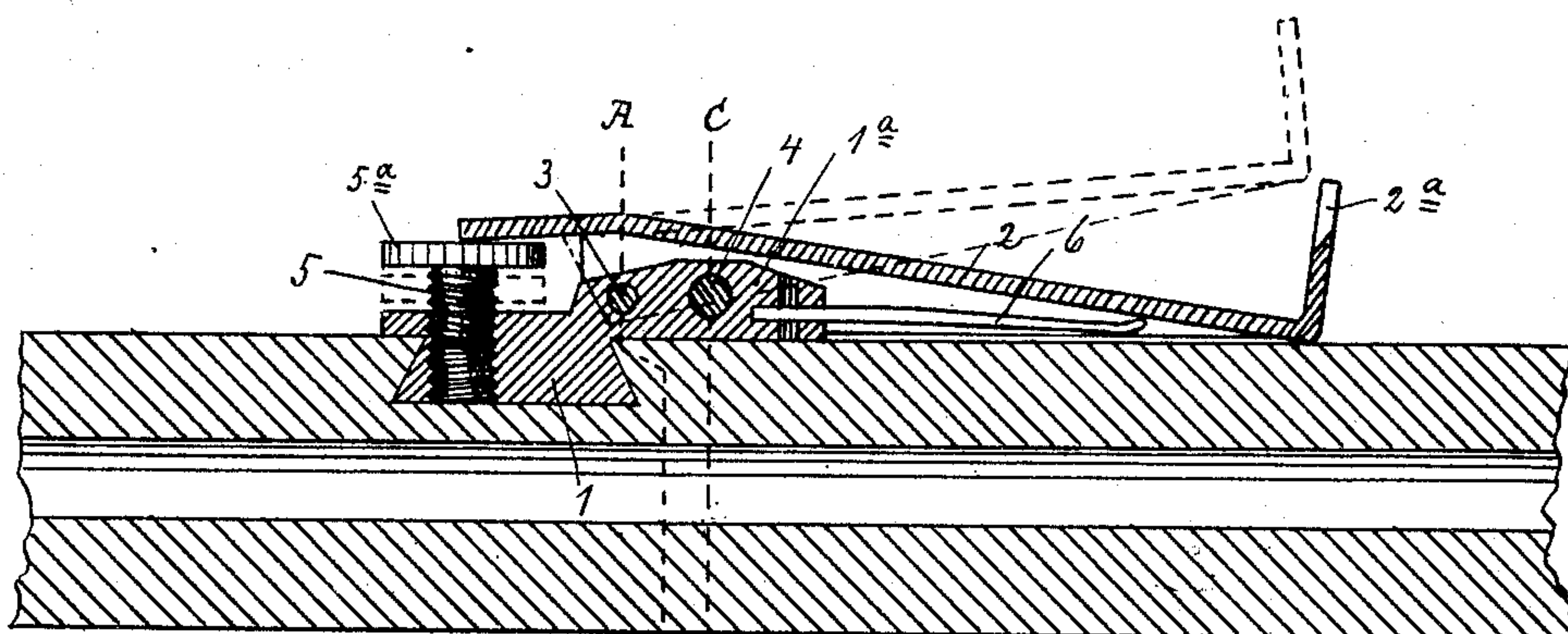


No. 789,761.

PATENTED MAY 16, 1905.

A. W. SAVAGE.  
SIGHT FOR FIREARMS.  
APPLICATION FILED NOV. 25, 1904.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

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## SIGHT FOR FIREARMS.

SPECIFICATION forming part of Letters Patent No. 789,761, dated May 16, 1905.

Application filed November 25, 1904. Serial No. 234,302.

*To all whom it may concern:*

Be it known that I, ARTHUR W. SAVAGE, of Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Sights for Firearms; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form part of this specification.

The object of my invention is to provide a rear sight for firearms which is provided with a vertical and a lateral adjustment and is small, simple, and compact in its construction and quite similar in appearance to the well-known and commonly-used leaf-sight.

In the drawings, Figure 1 shows a longitudinal section of a portion of a rifle-barrel, including a longitudinal section of the sight on an enlarged scale. Fig. 2 is a plan view of the same. Fig. 3 is a section taken on a line with A B of Fig. 1. Fig. 4 is a section taken on line with C D of Fig. 1. Fig. 5 is an end view of the leaf-sight. Fig. 6 is a perspective view of the leaf-sight portion separated from the other parts.

Referring to the reference letters and figures in a more particular description, 1 indicates the base of the sight, which is provided with a dovetailed portion entering a transverse dovetailed groove, such as is usually provided in rifle-barrels. The base includes an arm-like portion 1<sup>a</sup>, extending rearwardly from the dovetailed portion. The leaf 2 is formed of sheet material and has the sight-notched end 2<sup>a</sup> and the flange portions 2<sup>b</sup> 2<sup>b</sup>, arranged at a greater distance apart than the transverse thickness of the part 1<sup>a</sup>. The leaf is pivoted on a cross-pin 3, passing through the base portion 1<sup>a</sup> and through the flange-  
portions 2<sup>b</sup> 2<sup>b</sup> of the leaf and secured in 1<sup>a</sup>. The pin 3 is extended laterally sufficiently to permit the leaf to shift laterally thereon. To the rear of the pin 3 and passing transversely through the part 1<sup>a</sup>, parallel with the pin 3, is the adjusting-screw 4. This screw is

threaded into the part 1<sup>a</sup> and is provided on one end with a milled head 4<sup>a</sup>, by means of which it may be conveniently turned, and on the other end with a removable collar or washer 4<sup>b</sup>, secured to the screw. The leaf 2 is secured from lateral movement on the screw 4 by being confined between the head 4<sup>a</sup> on the one side and the collar 4<sup>b</sup> on the other. In the flanges 2<sup>b</sup> of the leaf there are provided notches *a*, which receive the screw, but will not permit passage of the head or collar of the screw. The notches *a* permit a vertical play of the leaf when turning on the pivot 3. The leaf 2 is provided with a forwardly-projecting tang or portion 2<sup>c</sup>, which is adapted to engage on the top of the screw 5. The screw 5 is threaded into a vertical opening in the base, and sufficient range of movement is provided by having this opening in the thick portion, including the dovetail. The head 5<sup>a</sup> of this screw, on which the part 2<sup>c</sup> directly rests, is enlarged, so that it may be freely manipulated without interference with the portion 2<sup>c</sup>. In the rear end of the stationary base portion of the sight there is mounted a spring 6. This spring is inclosed or protected by the leaf and is tensioned to throw the rear or sight end 2<sup>a</sup> of the leaf upward.

The operation of the sight is substantially obvious; but it may be noted that when the screw 5 is rotated to move upwardly it exerts its power on the projection or tang 2<sup>c</sup> of the leaf, forcing the rear or sight end 2<sup>a</sup> downwardly against the tension of the spring 6. When the screw 5 is rotated to move downwardly, the spring 6 forces the sight end of the leaf upwardly, the tang or part 2<sup>c</sup> following the head of the screw 5<sup>a</sup>. The lateral adjustment is accomplished by rotating the screw 4 in one direction or the other, as desired, the leaf sliding at the front on the transverse pin 3. The head of the screw 5<sup>a</sup> may be provided with a scale, as shown, and the end of the tang or projection 2<sup>c</sup> provided with a scale, as shown, whereby both the vertical and lateral adjustments may be observed.

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

1. In a sight for firearms, the combination



of a base adapted to be secured to the firearm having a transversely-extending pivotal pin secured therein, with the ends projecting to opposite sides of the base, a lever leaf-sight 5 mounted on said pivotal pin by means of flanges sufficiently spaced to receive the portion of the body at the pivot and permit a lateral movement of the leaf on the pivot, means for shifting the leaf laterally on the pivot and 10 means for rocking the leaf on the pivot for adjustment for elevation, substantially as set forth.

2. The combination in a sight for firearms of a base adapted to be secured to the firearm 15 having a laterally-extending pivotal pin secured in said base and projecting to either side thereof, a lever leaf-sight having downwardly-extending flanges along its opposite sides engaging with, and by means of which the sight 20 is mounted on the ends of said pivotal pin and sufficiently spaced to receive the base and permit a lateral adjustment on the pin and a transverse screw parallel with said pivotal pin engaging with, and for laterally adjusting the

leaf on the pin, and means for adjusting the 25 leaf for elevation, substantially as set forth.

3. The combination in a sight for firearms of a base adapted to be secured to the firearm having a transversely-extending pivotal pin secured therein with projecting ends, a lever 30 leaf-sight having flanges sufficiently spaced to receive the portion of the sight-base and permit a lateral adjustment on the pin and engaging on the pin and having a tang projecting beyond the pivot, a screw for laterally mov- 35 ing the leaf on said pivotal pin, a screw engaging in the base and engaging under the tang for regulating the elevation and a spring secured in the base and engaging under the sight end of the leaf for throwing up the sight 40 end, substantially as set forth.

In witness whereof I have affixed my signature, in presence of two witnesses, this 9th day of November, 1904.

ARTHUR W. SAVAGE.

Witnesses:

S. I. DE VINE,  
EMMA S. HESSE.