

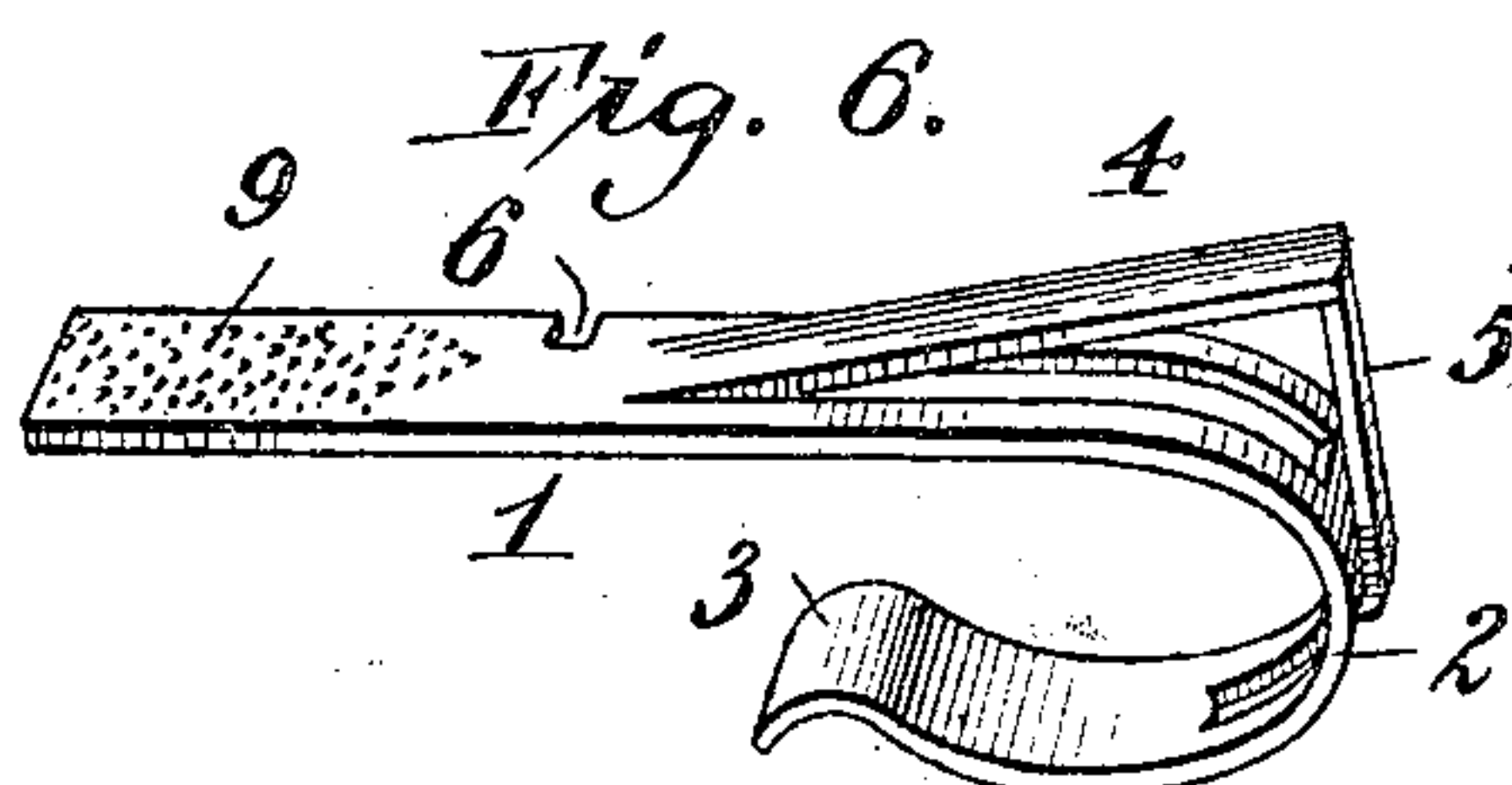
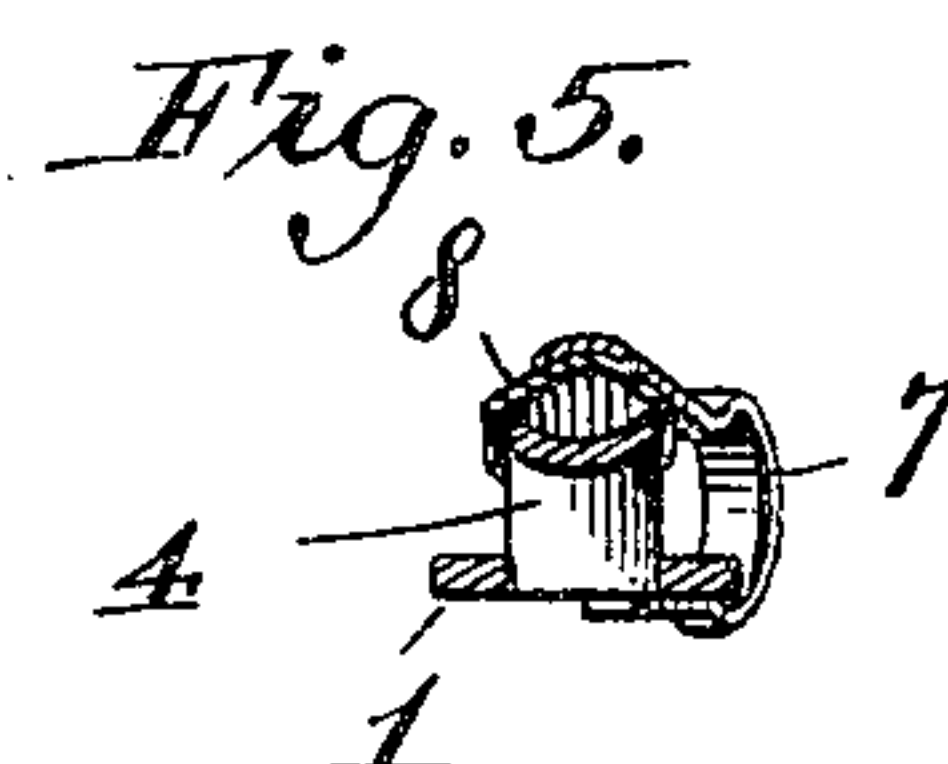
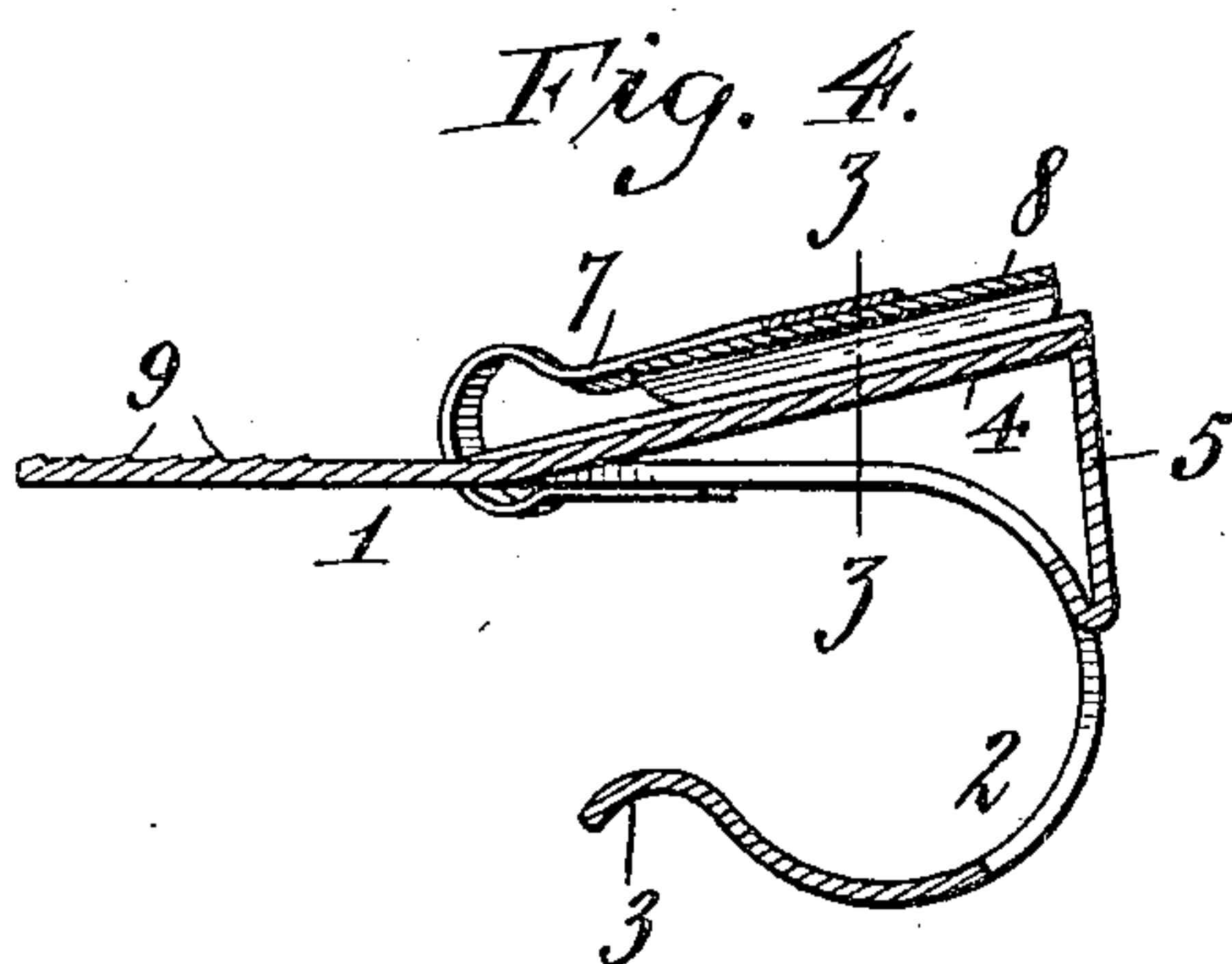
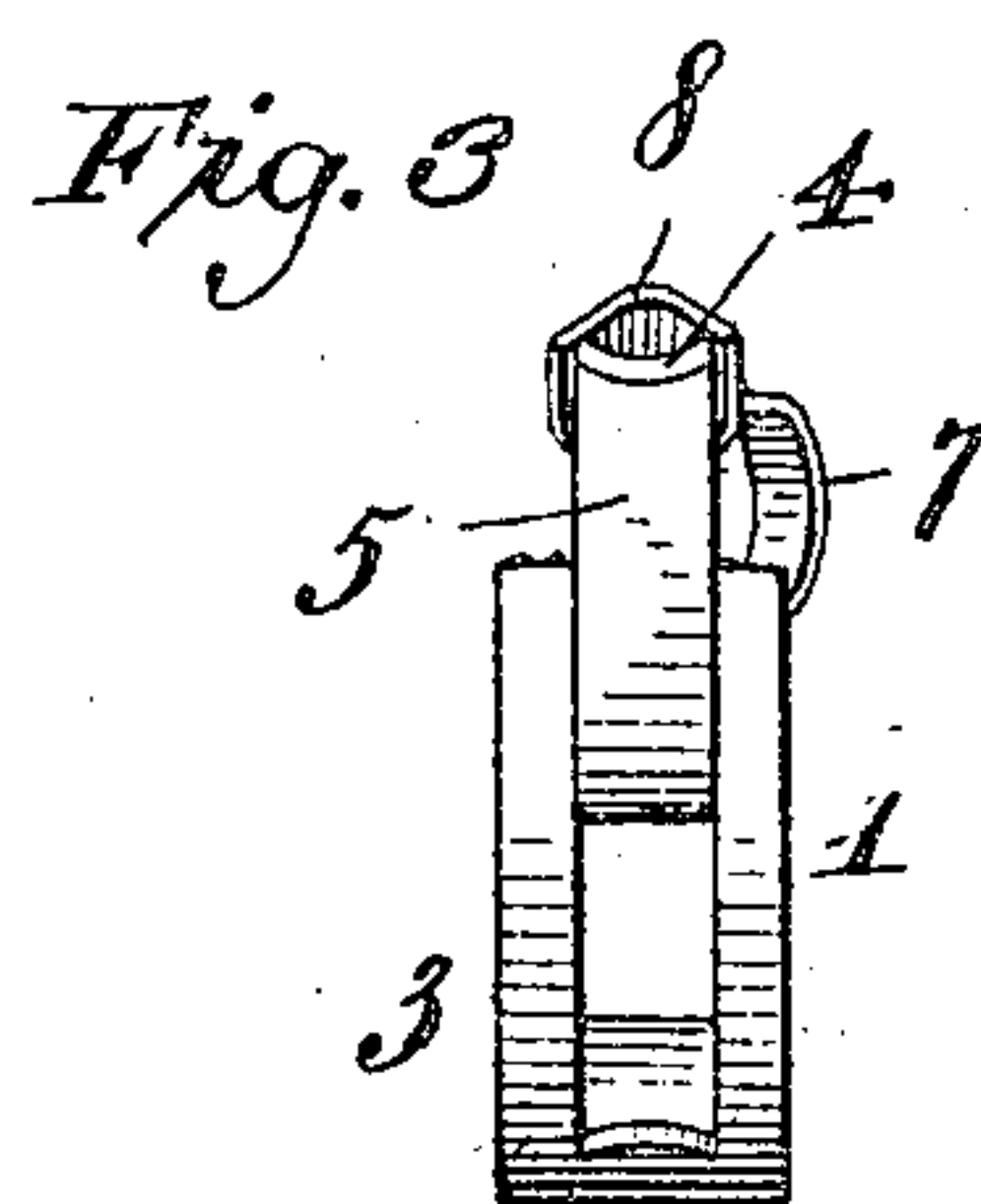
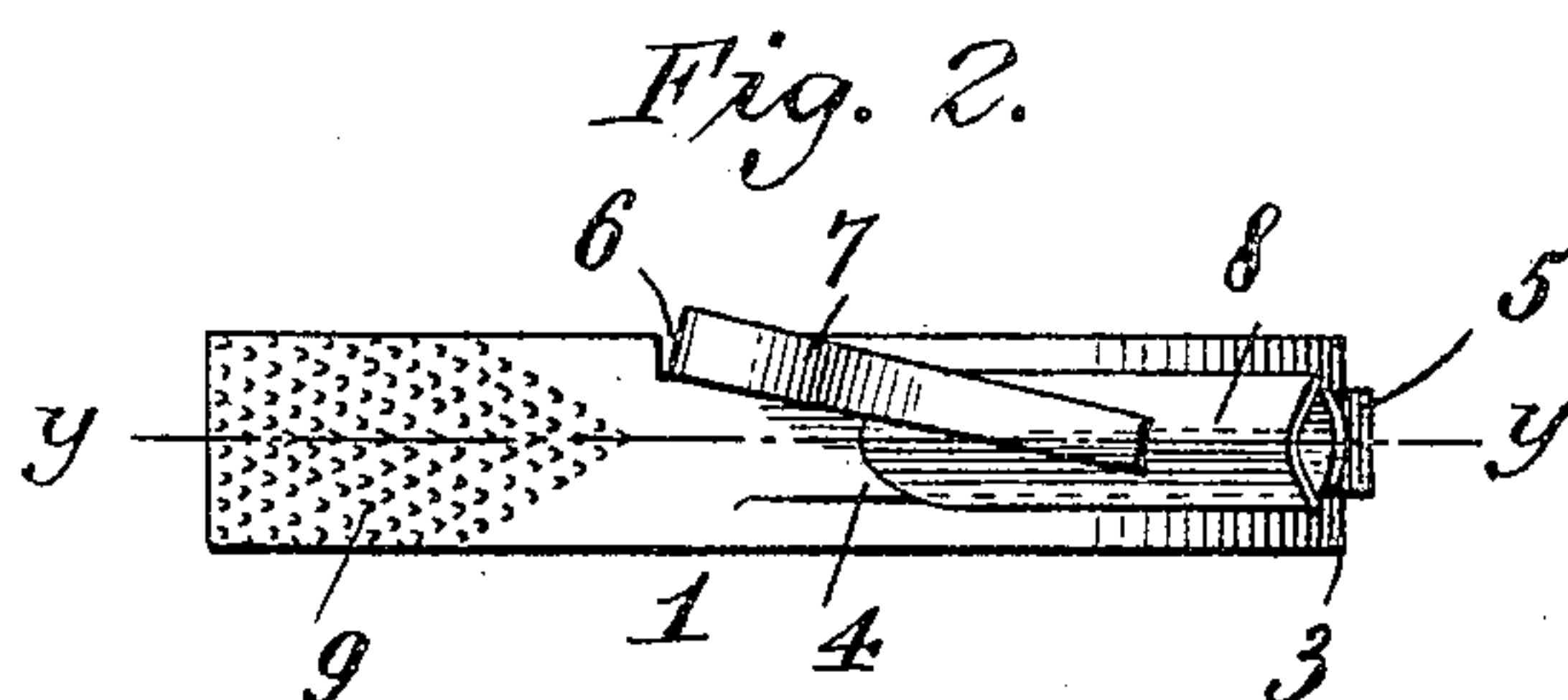
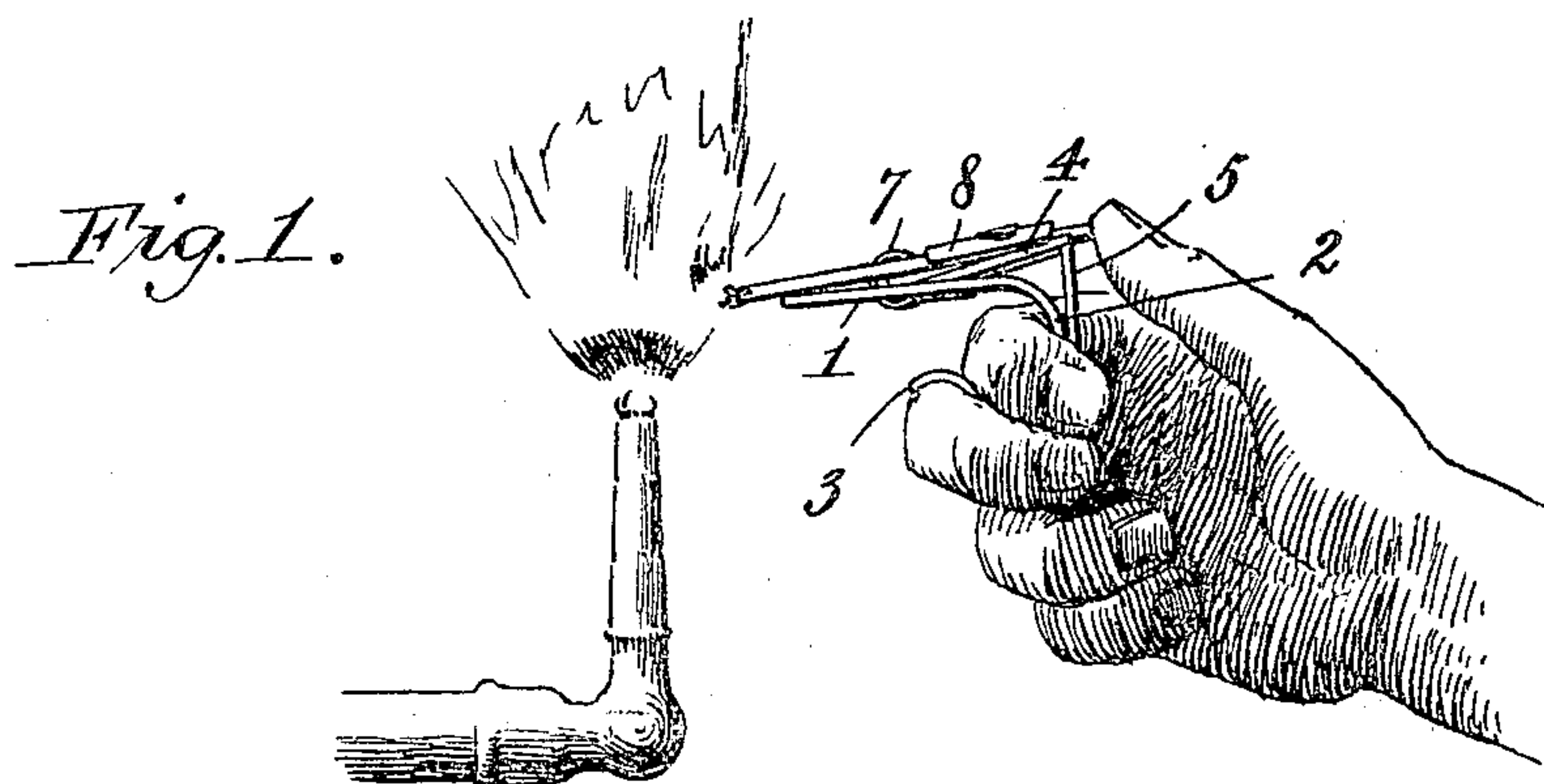
No. 808,136.

PATENTED DEC. 26, 1905.

H. A. BARNUM & J. G. HARRIS.

MATCH LIGHTER.

APPLICATION FILED SEPT. 27, 1905.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY A. BARNUM AND JAMES G. HARRIS, OF BUFFALO, NEW YORK.

MATCH-LIGHTER.

No. 808,136.

Specification of Letters Patent.

Patented Dec. 26, 1905.

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To all whom it may concern:

Be it known that we, HENRY A. BARNUM and JAMES G. HARRIS, citizens of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Match-Lighters, of which the following is a specification.

Our invention relates to certain improvements in match-lighters, and more particularly to a pocket device in which the match to be ignited is placed and ignited at the time and place of use.

The object of this invention is to provide a simple, inexpensive, and compact lighter which can be conveniently carried in a vest-pocket and through which the matches may be projected for ignition and held in the desired position for lighting an object, thus dispensing with the necessity of moving the lighted match through space. This is particularly desirable for lighting headlights of locomotives and the like, for guide-lights on vehicles, and for innumerable purposes in which the match must be lighted in the open air. By igniting the match directly at the point it is to be used the flame may be easily shielded against wind or air-currents and the object sought to be lighted may be lighted with the greatest ease.

Other objects are to provide an igniter or lighter of this type which consists of few parts and which cannot be easily dismembered or otherwise injured.

With these objects in view the invention consists in the novel construction, arrangement, and combination of parts to be hereinafter described, and particularly pointed out in the appended claims.

In the drawings, Figure 1 is an illustration showing our match-lighter in perspective view and in the manner in which it is used. Fig. 2 is a plan view of the same. Fig. 3 is an end view. Fig. 4 is a longitudinal section taken on line *y y*, Fig. 2. Fig. 5 is a transverse section taken on line *z z*, Fig. 4. Fig. 6 is a detached perspective view of the body portion of the device.

Referring to the drawings in detail, like numerals of reference refer to like parts in the several figures.

The numeral 1 designates the body portion of the device, which is formed of a narrow flat piece of metal curved into a hook at its inner end to form a finger-hold 2, in which the index-finger is placed, and slightly recurved at the

extremity of the hook, as at 3, to conveniently fit over the middle finger of the hand, as shown in Fig. 1. A suitable tongue 4 is stamped from the body portion with its free outer end elevated, it being slightly concaved on its upper surface to provide a convenient seat for a match. A second tongue 5 is stamped from the hook end of the body portion and bent upward to bring the free end thereof in contact with and underneath the free end of the tongue 4 to support the same. The tongues may be soldered together or otherwise rigidly held. At one side edge of the body portion a notch 6 is cut, and passing through the same is a curved band-spring 7, having one end thereof secured to the under side of the body portion and its other or free end terminating above the match-seat. Soldered or otherwise connected to the free end of said spring is a match-guide 8, V-shaped or concaved in cross-section and arranged above and lengthwise of the match-seat. Said match-guide is therefore yieldingly held against the match-seat, and between the opposing concaved surfaces of the two a match is to be thrust to bring the head thereof in contact with the upper face of the body portion at the forward end thereof, which end is roughened or provided with fine teeth 9 to cause the match to become ignited as the head of the match is forced over the same, this being conveniently done with the thumb, as shown in Fig. 1. The headed end of the match is thus projected beyond the end of the lighter and burns freely.

Having thus described our invention, what we claim is—

1. A match-lighter comprising a body having two tongues stamped therefrom, one of which forms a match-seat and is inclined to elevate one end and the other being bent to bear against the under side of the last-mentioned tongue, said body having also a roughened surface in advance of said match-seat, and a yieldingly-supported match-guide located over said match-seat.

2. A match-lighter comprising a body formed of a flat piece of metal curved at one end to form a finger-hold and having the upper surface at its other end roughened, integral tongues stamped from said body and bent outward therefrom to bring the outer ends thereof in contact, one of said tongues serving as a match-seat and the other as a support for the last-mentioned tongue, a curved band-spring secured to the body and terminating above the match-seat, and a match-guide se-

cured to said spring and bearing against said match-seat.

3. A match-lighter comprising a body formed of a piece of flat metal curved at one
5 end to form a finger-hold and having the upper surface at its other end roughened, integral tongues stamped from said metal and bent to bring the ends thereof together, one of said
10 tongues having its upper surface concaved to form a match-seat, a curved band-spring secured to said body and having its free end terminating above said match-seat, and a match-

guide above said match-seat and secured to the free end of said spring, said guide having its under side concaved, substantially as described. 15

In testimony whereof we have affixed our signatures in the presence of two subscribing witnesses.

HENRY A. BARNUM.
JAMES G. HARRIS.

Witnesses:

EMIL NEUHART,
HARRY HARRIS.