

O. U. PETERSON.
POLE TIP.
APPLICATION FILED MAY 21, 1910.

999,397.

Patented Aug. 1, 1911.

Fig. 1.

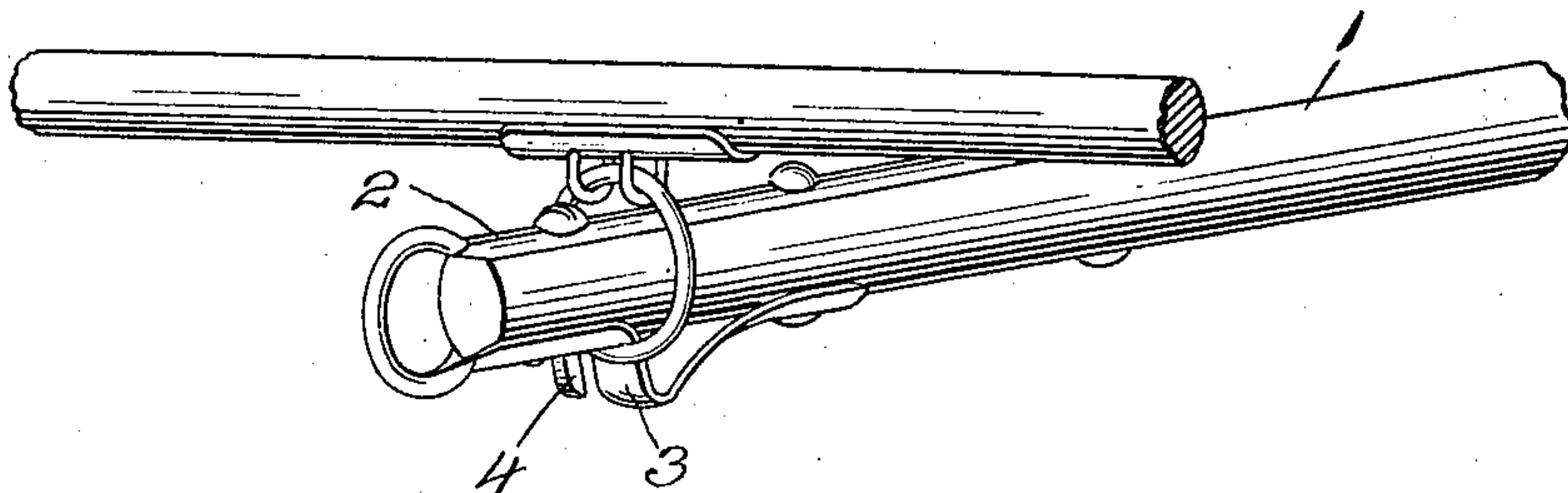


Fig. 2.

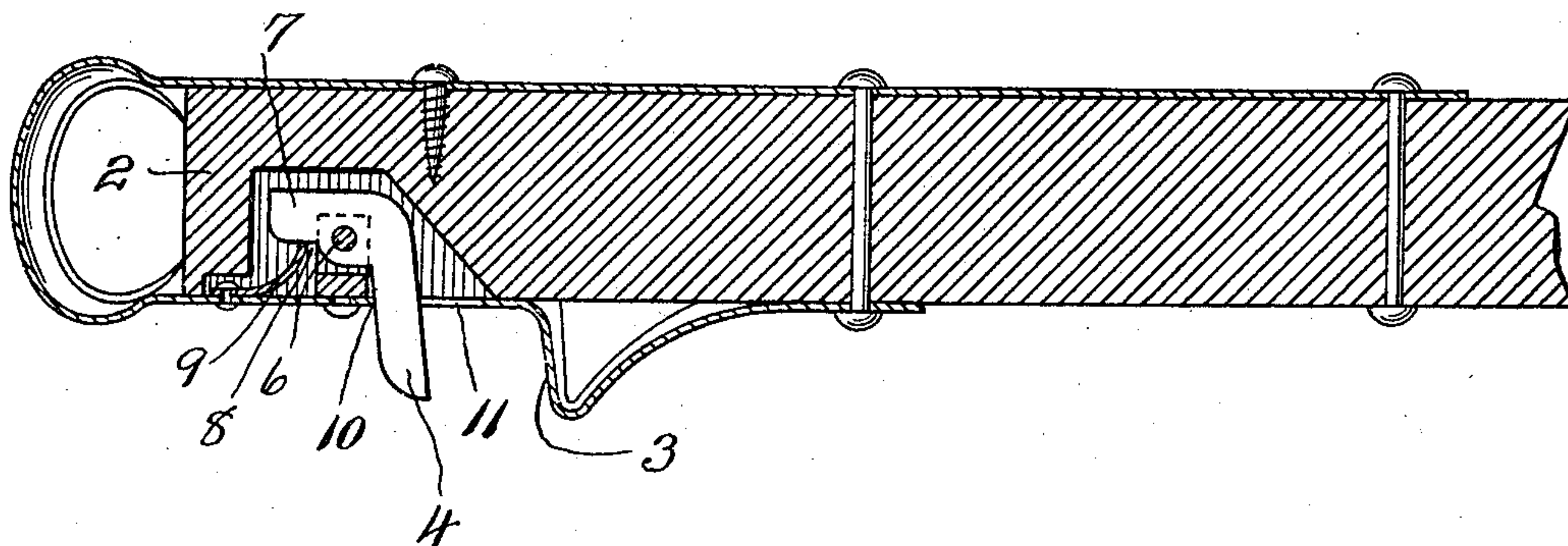
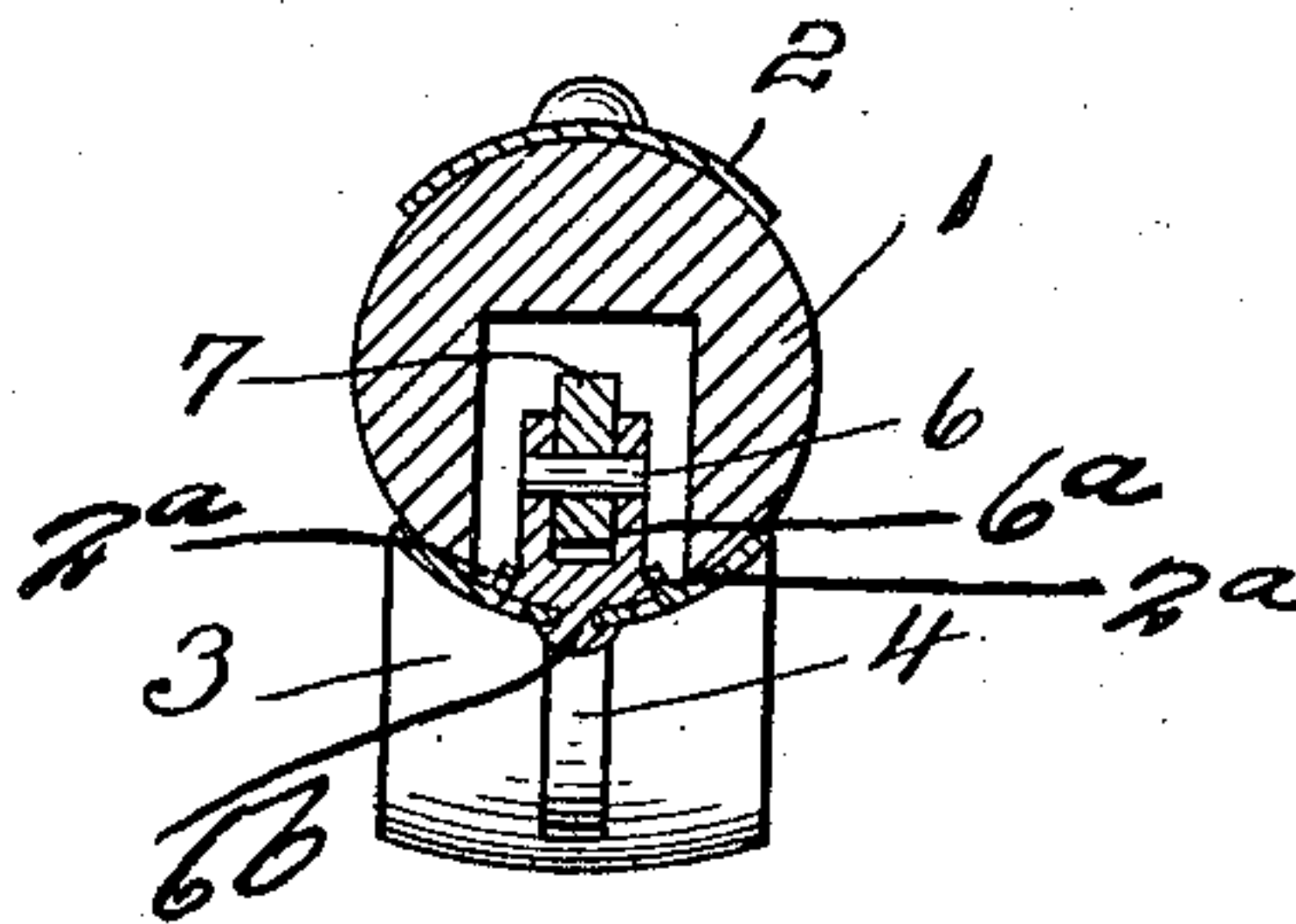


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

OLIVER U. PETERSON, OF VICTORIA, ILLINOIS.

POLE-TIP.

999,397.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, OLIVER U. PETERSON, a citizen of the United States, residing at Victoria, in the county of Knox and State of Illinois, have invented a new and useful Pole-Tip; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to an improvement in pole tips and has for its object to provide an improved device of this character having means whereby the ring from the yoke can be readily snapped on the pole tip, there to remain firmly locked until released.

With these and other objects in view the invention consists in the novel construction and arrangement of parts hereinafter described and shown and particularly pointed out in the appended claims.

In the drawings:—Figure 1 is a perspective view of my pole tip showing the same connected with the neck yoke. Fig. 2 is a longitudinal sectional view of the pole tip drawn on an enlarged scale. Fig. 3 is a transverse sectional view through the pole tip.

Referring to the drawings, 1 designates the end of the pole, which is provided with a casing 2, which is formed of thick sheet iron or other suitable material. The casing 2 is provided with a band forming a shoulder 3. Opposite to the shoulder 3 is a pivoted lug 4, which is mounted in a U-shaped support, through which extends a pivot 6, upon which the lug operates. The casing or pole tip 2 is provided with up-struck flanges 2^a, between which the outwardly extending portions of the U-shaped support are arranged. This U-shaped support is also provided with a lug 6^b, which extends through the casing or pole tip 2, after which it is riveted, as shown clearly in Figs. 2 and 3. The lug 4 is provided with a horizontal portion 7, on the under side of which is provided an L-shaped recess 8, in which a spring 9 passes, thus holding the lug in its normal position. The pressure of the spring is limited by the lug 4 pressing against the outer end 10 of the slot 11, in which the lug is guided.

To connect the yoke to the pole 1, the ring thereof is passed over the pole tip until it contacts with the lug 4, pressing it backwardly against the action of the spring 9 sufficiently until it is free to escape the ring, then the lug will spring outwardly, until it assumes the position shown in Fig. 2, thereby leaving the ring between the lug 4 and the shoulder 3.

What I claim is:—

1. In combination, a pole having a pole tip secured thereon, the tip having a shoulder, the pole having a recess therein partially covered by the pole tip, a U-shaped support extending into the recess and being riveted to a portion of the pole tip, said pole tip having flanges struck up therefrom upon the inside of the tip to engage said support, a pivoted member having a downwardly projecting lug fulcrumed in said U-shaped support, a spring secured to the pole tip bearing against one end of the pivoted member, said pole tip having a slot through which the downwardly extending lug extends, and is guided, as and for the purpose specified.

2. In combination, a pole having a pole tip telescopically secured thereon, the tip having a shoulder, the pole having a recess therein partially covered by the tip, a U-shaped support arranged in the recess and riveted to the pole tip, the pole tip having flanges struck up therefrom upon the inside of the tip to engage each side of the U-shaped support, a pivoted member having a downwardly projecting lug fulcrumed in said U-shaped support, a spring secured to the tip bearing against one end of the pivoted member, the pole tip having a slot partially registering with the recess and through which the downwardly extending lug extends and is guided, one end of the slot constitutes means to limit the pivoted member in one direction, while the support limits the member in the other direction.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

OLIVER U. PETERSON.

Witnesses:

JOHN E. WELIN,
CARL V. NELSON.