

No. 744,628.

PATENTED NOV. 17, 1903.

W. A. SCHLEICHER.

SNAP HOOK.

APPLICATION FILED OCT. 22, 1902.

NO MODEL.

Fig. 1.

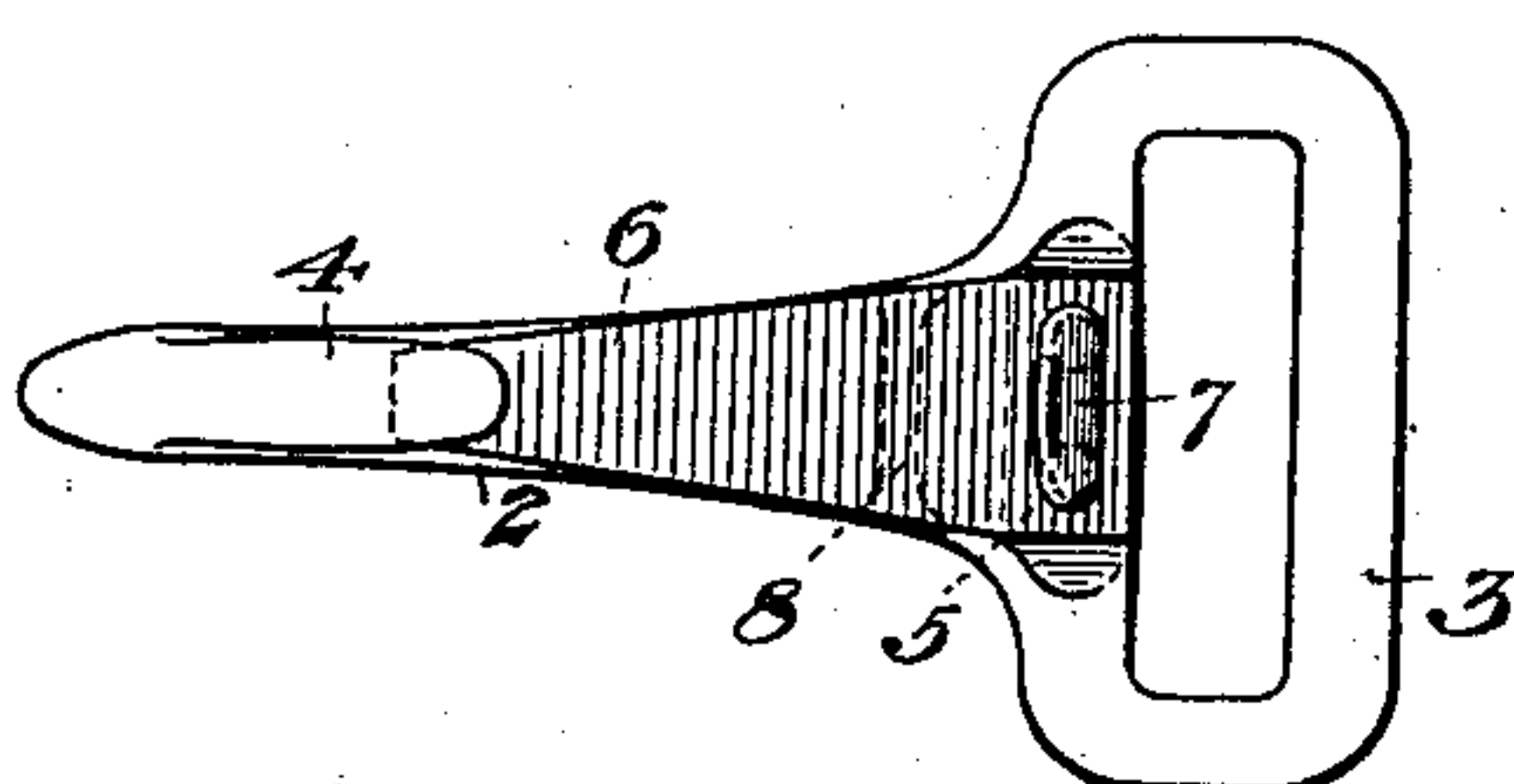


Fig. 2.

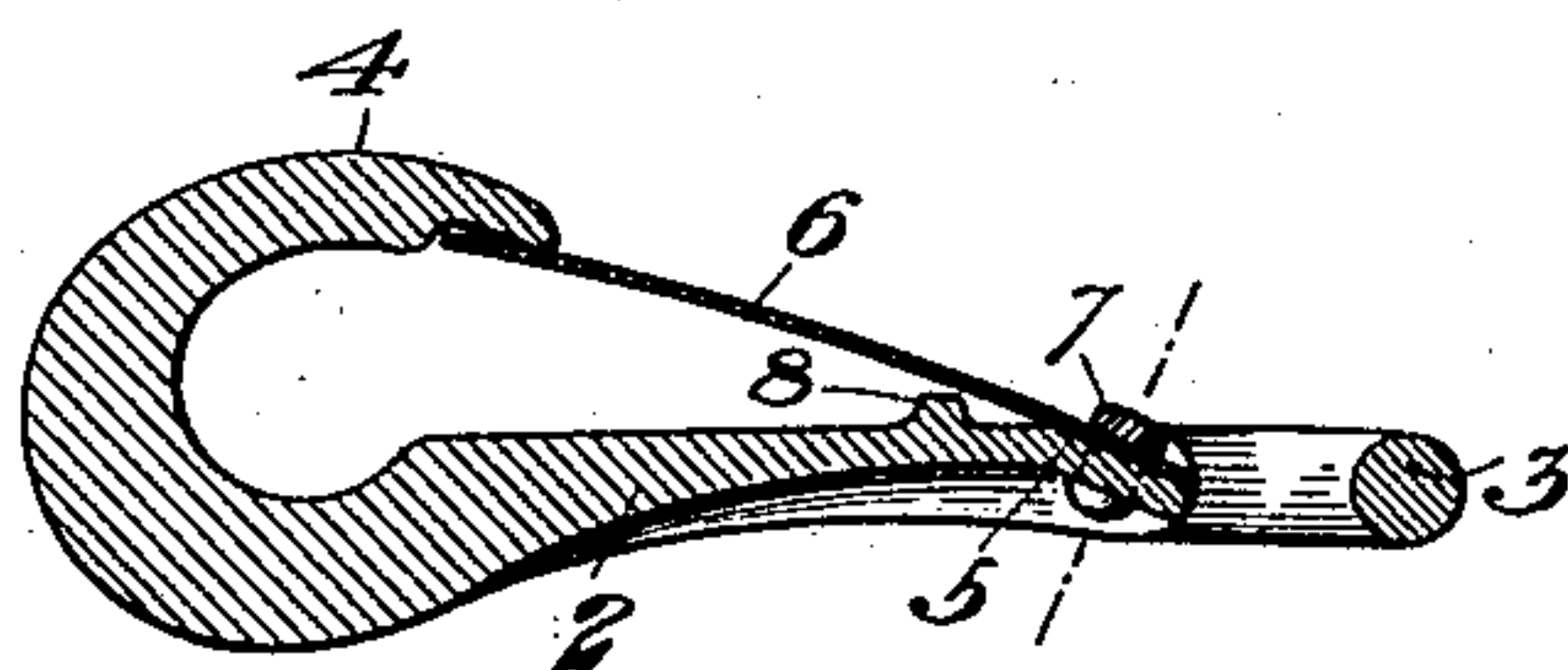


Fig. 3.

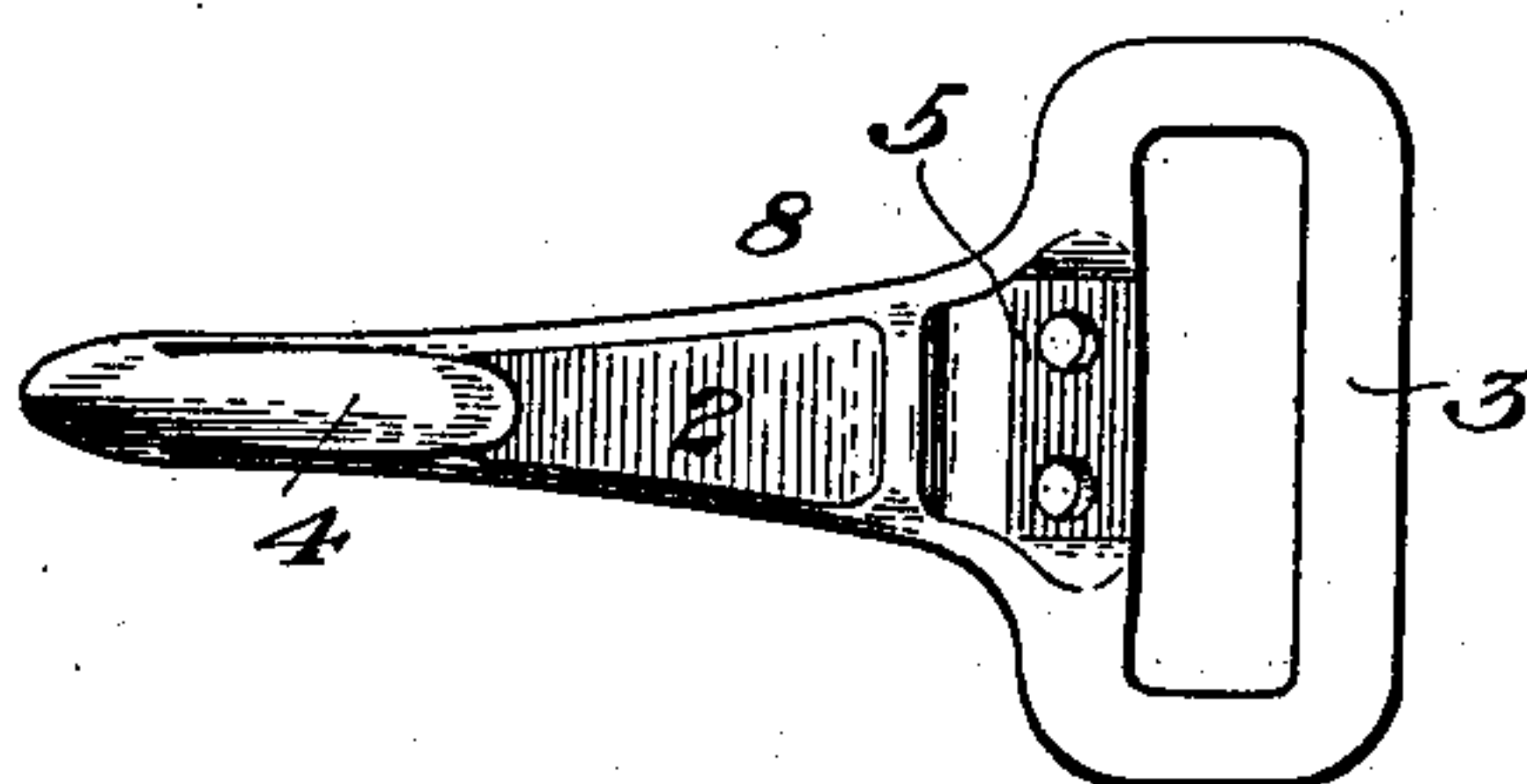
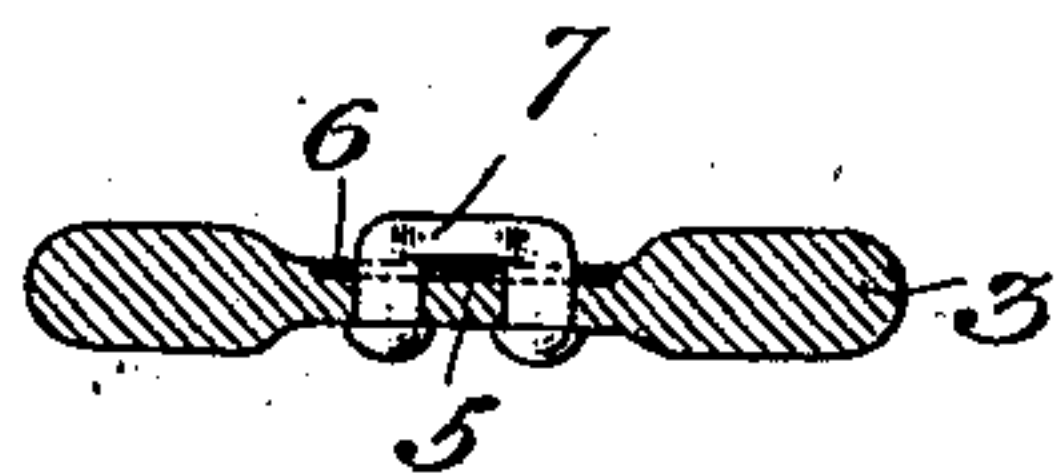


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM A. SCHLEICHER, OF CLEVELAND, OHIO.

SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 744,628, dated November 17, 1903.

Application filed October 22, 1902. Serial No. 128,330. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. SCHLEICHER, of Cleveland, Ohio, have invented a new and useful Snap-Hook, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top plan view of my improved snap-hook. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a top plan view with the spring and rivet removed, and Fig. 4 is a cross-section on the rivet-line.

My invention relates to that class of snap-hooks wherein the tongue consists of a leaf-spring; and its object is to provide a snap-hook having a straight flat spring which need not be bent to the shape and in which liability to breaking of the spring is obviated by supporting brakes or lugs. In devices of this character wherein a leaf-spring is used for the tongue there has always been liability to breaking the spring by bending it downwardly too far, and the spring has been bent so that one portion extends at an angle to the other in order that its tongue portion may properly close the snap-opening. My invention overcomes both these difficulties, the first by using a supporting bridge or lug upon the shank, and the second by providing an angular seat for the rear portion of the spring.

In the drawings, 2 represents the shank, 3 the loop, and 4 the nose of the snap. The shank is provided at its rear end with a flat seat 5, which extends at an angle to the plane of the loop and is arranged to receive the rear end of a flat leaf-spring 6, which is preferably secured thereto by a double-headed rivet 7, the legs of which pass through two holes in the flat face of the shank. When the spring

is secured in place, it extends at the proper angle to close the opening, as shown in Fig. 2, without the necessity for any permanent bend or step therein. To support the intermediate portion of the spring in case it is bent in beyond its normal limit, I provide a raised portion or bridge 8, which extends transversely of the stem beneath the spring. When the spring is bent in, the bridge will support its intermediate part, thus avoiding liability to breaking.

The advantages of my invention result from the use of the inclined supporting-face, and, further, from the use of the supporting projection or bridge, which avoids liability to breakage.

Many variations may be made in the form and arrangement of the snap and its spring without departing from my invention.

I claim—

A snap-hook having a shank provided in its rear portion with a forwardly and upwardly inclined flat face in a plane directed toward the nose of the snap, a flat leaf-spring secured to said face by rivet-fastenings, said spring being free from any permanent downward projection or bent portion, and extending continuously to the hook-nose, and a bridge projecting upwardly from the shank beneath an intermediate part of the spring and arranged to contact with its flat continuous portion when the spring is bent in; substantially as described.

In testimony whereof I have hereunto set my hand.

WILLIAM A. SCHLEICHER.

Witnesses:

EMIL W. JAITE,

THOMAS R. BECKWITH.