

No. 666,288.

Patented Jan. 22, 1901.

B. F. VAN CAMP.
COMBINED BUCKLE AND SNAP HOOK.

(Application filed May 16, 1900.)

(No Model.)

Fig. 1.

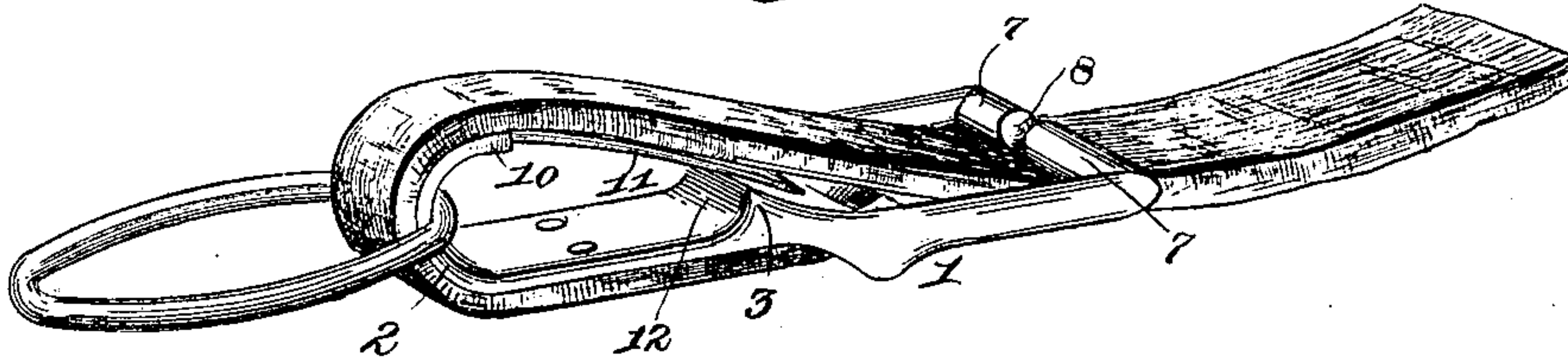


Fig. 2.

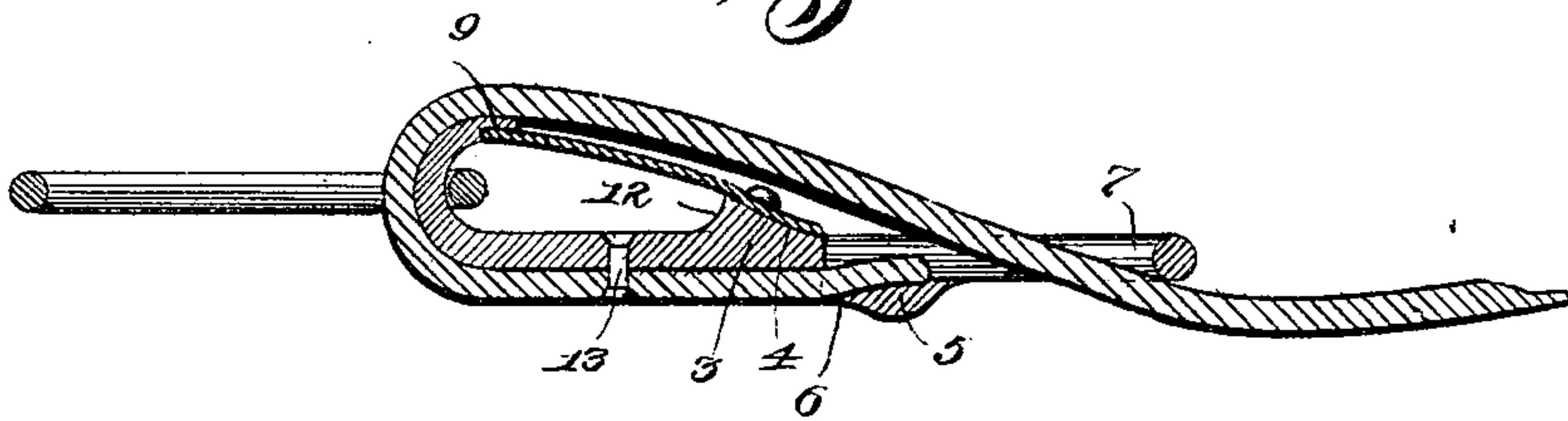
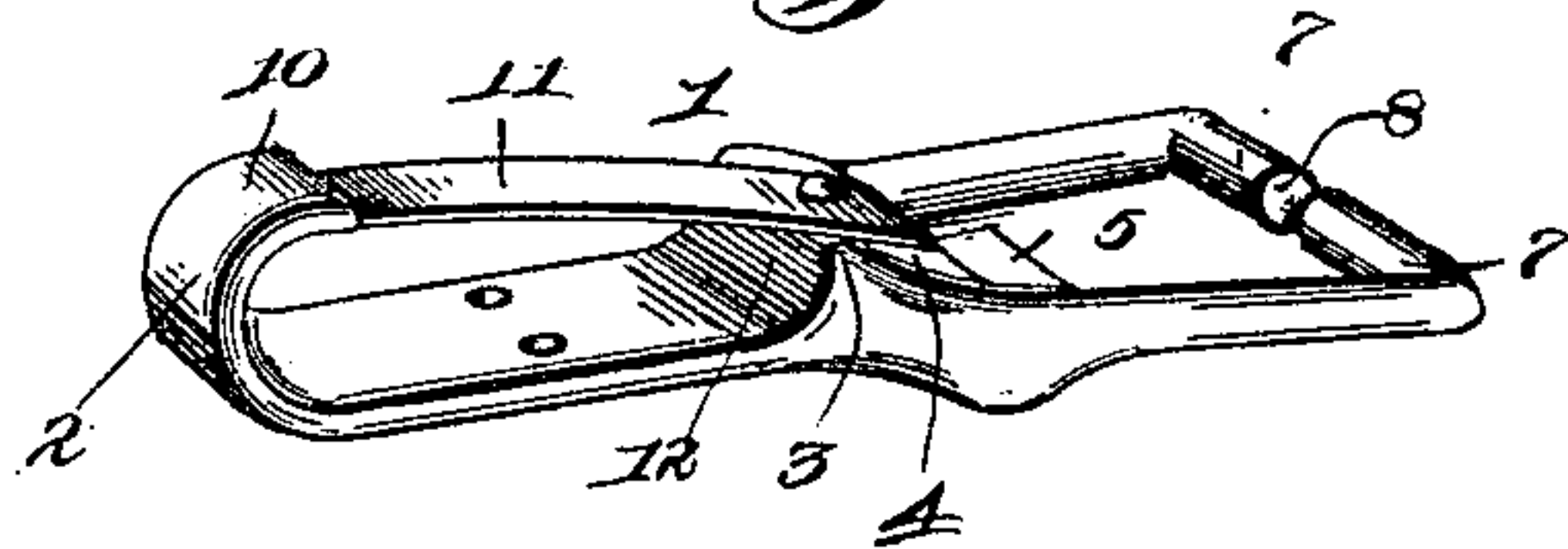


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN F. VAN CAMP, OF INDIANAPOLIS, INDIANA.

COMBINED BUCKLE AND SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 666,288, dated January 22, 1901.

Application filed May 16, 1900. Serial No. 16,911. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. VAN CAMP, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Combined Snap-Hook and Buckle, of which the following is a specification.

This invention relates to a combined snap-hook and buckle; and the object of the same is to provide a simple and effective device for application to the ends of bridle-reins, driving-reins, halter-straps, and the like as a substitute for snaps and buckle and billet fastenings in general use.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a portion of a strap, showing the improved combined snap-hook and buckle secured thereto and as attached to a bit-ring. Fig. 2 is a longitudinal vertical section of the improved device, as shown by Fig. 1. Fig. 3 is a detail perspective view of the improved device.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates a buckle-frame having opposite converging sides which are gradually reduced in transverse width relatively to each other in the direction of a hook 2, integrally formed with and projecting from the front end of said frame, a transverse outwardly-projecting rib 3 being located at the point of intersection of the hook member and the front end of the frame and provided with an inclined bearing-face 4. The frame 1 slightly in rear of and below the plane of the hook member is provided with a transverse bearing-bar 5, between which and the front end of the said frame an opening 6 is formed, the rear bar 7 of the frame being intermediately separated by slotting to form an entrance-opening 8 for the edgewise insertion or withdrawal of the strap or rein thereinto or therefrom. Extending from the inclined bearing-face 4 of the rib 3 and loosely engaging a recess 9 in the inner end portion of the overturned or overprojecting terminal 10 of the hook member is a flat spring-tongue

11, which has its rear end secured to said face, and thereby given the proper inclination relatively to the said terminal of the hook member. The front edge of the rib 3 is concaved, as at 12, and from the foregoing structural explanation it will be seen that a ring or other device in engagement with the hook member will be prevented from becoming unseated and have a metallic bearing resistance at all points and also be prevented from abrading the rein or strap at any point.

The rein or strap end is secured to the improved device by riveting it to the hook member, as at 13, and passing the free end through the opening 6 to rest on the bar 5, and from its point of securement to the hook member the rein or strap is passed around in close contact with said member over the spring-tongue and edgewise inserted in the buckle-frame 1 through the entrance-opening 8 of the bar 7 thereof. It will be observed that the metal hook member and the tongue provide a metallic lining for the rein or strap loop with obvious advantages, and in connecting up the improved device to a ring or analogous device the rein or strap is loosened or detached from the buckle-frame and the latter inserted through the said ring. The ring is caused to become seated in the hook member by pressing open the tongue 11, and when the parts are thus assembled it will be impossible for them to become accidentally disconnected and the constant positive preservation of the loop of the rein or strap will prevent the latter from breaking through. Manifold other advantages will become apparent to those using the improved device, and it is obviously apparent that changes in the form, size, proportions, and minor details of construction can be resorted to without departing from the principle of the invention.

Having thus described the invention, what is claimed as new is—

In a device of the character set forth, the combination of a buckle-frame having a rear slotted bar and a rib at the front end with an inclined bearing-face, the frame between the said bar and a front end wall being formed with an opening therethrough, the front portion of the said frame in rear of said wall also having a transverse bearing-bar at the lower portion thereof and the rib provided

with a hook member integrally formed there-
with and projecting therefrom, a spring-tongue
having its rear end fixed to the inclined face
of the rib and loosely engaging the overturned
5 portion of the hook member, and a rein or
strap extremity secured to and surrounding
the hook member and tongue and removably
passed through the frame, the terminal of the
rein or strap being extended through the

opening adjacent the front end wall of the 10
latter and rested on the bearing-bar.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

BENJAMIN F. VAN CAMP.

Witnesses:

HARRY L. ROBBINS,
C. F. SURFACE.