

No. 628,540.

Patented July 11, 1899.

H. C. KEELER.
HARNESS BUCKLE.

(Application filed Oct. 11, 1898.)

(No Model.)

FIG. 1

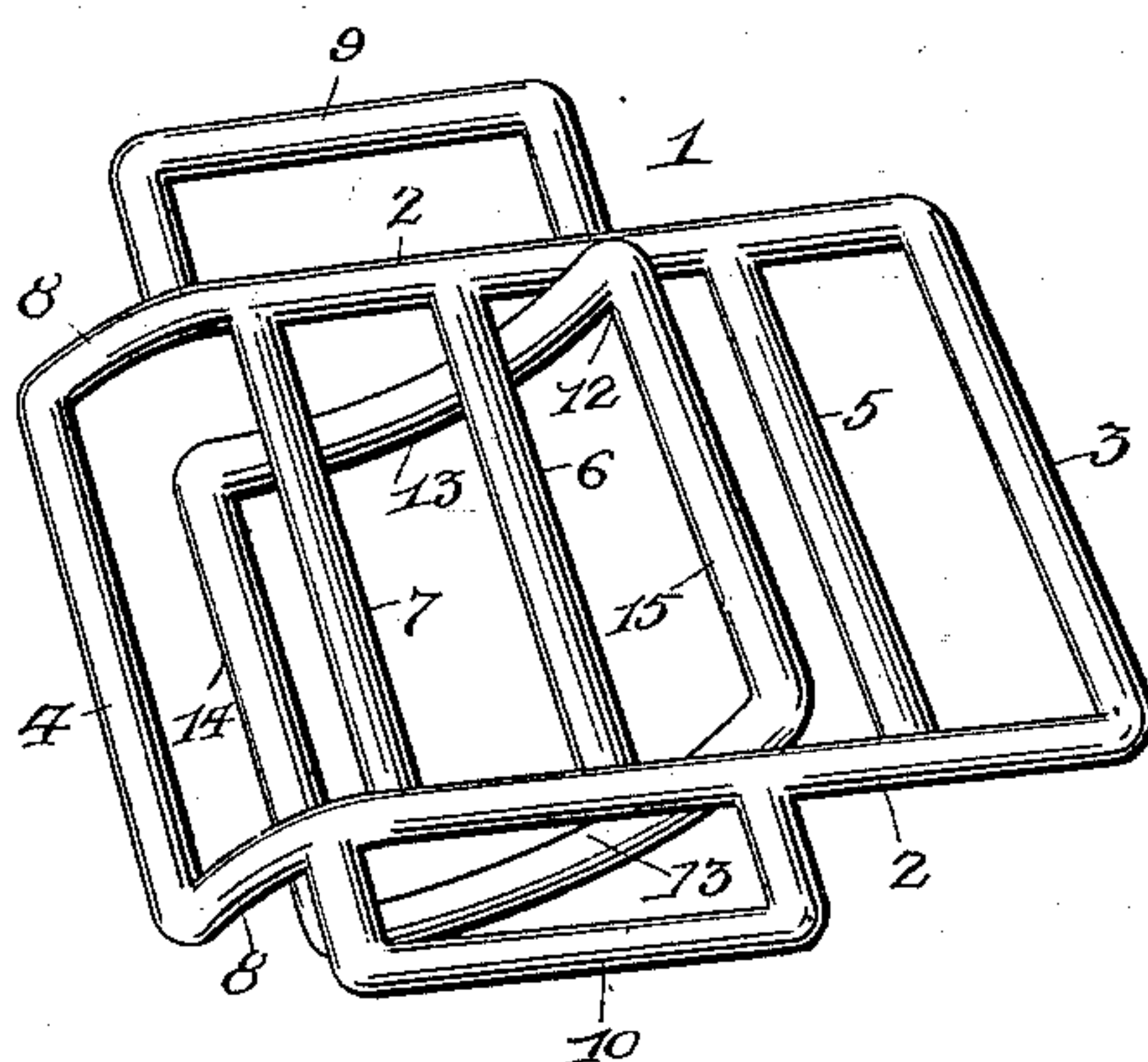
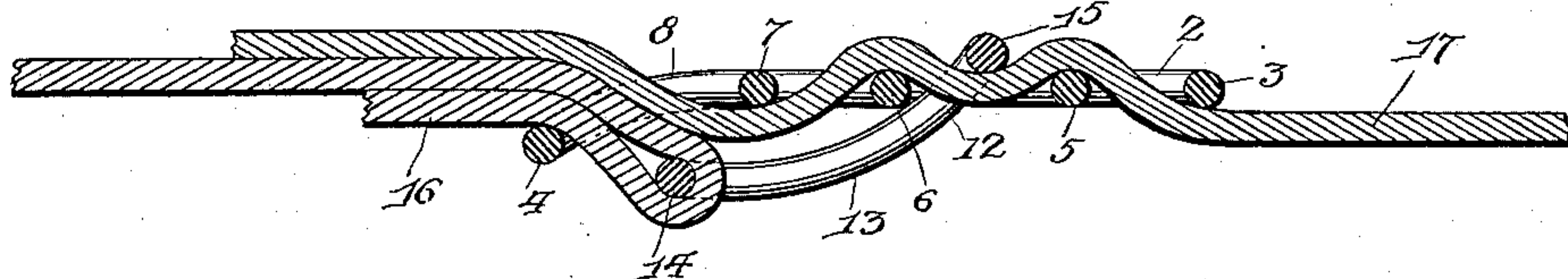


FIG. 2



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY C. KEELER, OF WATERVILLE, WASHINGTON, ASSIGNOR OF ONE-HALF TO CHARLES BEYMER, OF SAME PLACE.

HARNES-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 628,540, dated July 11, 1899.

Application filed October 11, 1898. Serial No. 693,241. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. KEELER, a citizen of the United States, residing at Waterville, in the county of Douglas and State of Washington, have invented certain new and useful Improvements in Harness-Buckles; and I do 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.

My invention relates to improvements in buckles for harness, personal wear, and the like, and more particularly to that class of tongueless buckles in which the free end of the strap is secured in place by a bar extending across its face; and the object is to provide a simple, inexpensive, and effective, as well as durable, buckle of this character.

To these ends the invention consists in the construction, combination, and arrangement of the device, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference characters indicate the same parts of the invention.

Figure 1 is a perspective view of my improved buckle. Fig. 2 is an enlarged longitudinal section of the same with the straps secured in place.

1 denotes the buckle proper, comprising the rectangular wire frame formed with the parallel side bars 2 2, connected at their outer ends by the transverse bars 3 4 and at intermediate intervals by the parallel cross-ribs 5, 6, and 7, the end bar 3 and the cross-ribs 5, 6, and 7 all lying in the same plane with the parallel side bars 2 2, while the ends 8 8 of the side bars 2 2 are turned downwardly to carry the end bar 4 below said plane.

9 10 denote the side loops, extending laterally from the side bars 2 2.

12 represents a rectangular link or eye formed separate from the buckle proper, and its side bars 13 13 are crescent-shaped to extend under the cross-rib 6, and the lower ends of these bars 13 are connected by a rib 14, while their upper ends are connected by a similar rib 15.

In applying the buckle the looped end of the strap 16 is passed around the rib 14 of the link 12, and the free end of said link is then passed downwardly between the end bar 4 and rib 7 and upwardly between the ribs 5 and 6 of the buckle proper to hold the looped end without sewing. The free end of the strap 17 is now passed under the end bar 3, over the rib 5, through the link, under its rib 15, then over the buckle-rib 6 and under the buckle-rib 7, and finally passes out of the buckle over the rib 14. When stress is applied in opposite directions to the straps 16 and 17, the curved side bars 13 13 of the link 12 slide down under the rib 6 of the buckle and the rib 15 of the link draws the contiguous portion of the strap 17 downward, so as to form a crimp in the strap between the buckle-ribs 5 and 6.

It will be noted that whenever the strap 17 comes in contact with a buckle bar or rib it will be slightly crimped above and below, which also assists the link in binding the strap. The greater the stress the more securely the strap is bound.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

In combination, the rectangular wire frame formed with the parallel side bars 2 2 connected at their outer ends by the transverse bars 3 4, the intermediate parallel cross-ribs 5, 6 and 7, and the link 12 formed with the crescent-shaped side bars 13 13, substantially as shown and described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HENRY C. KEELER.

Witnesses:

JOHN M. F. COOPER,
GEORGE BRADLEY.