

No. 714,471.

Patented Nov. 25, 1902.

H. J. GAISMAN.  
BUCKLE OR FRAME.

(Application filed May 11, 1901.)

(No Model.)

Fig. 1.

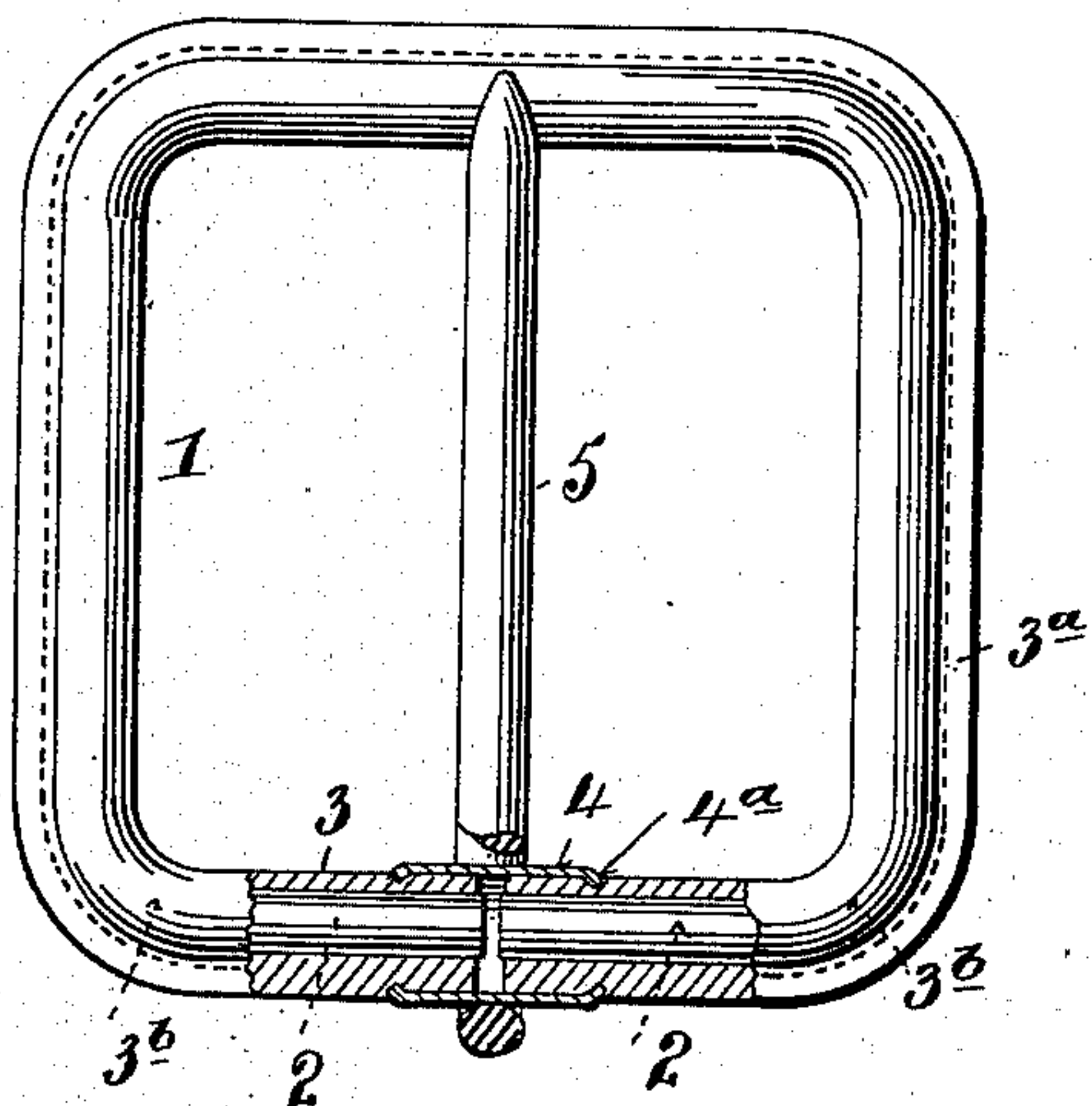


Fig. 3.

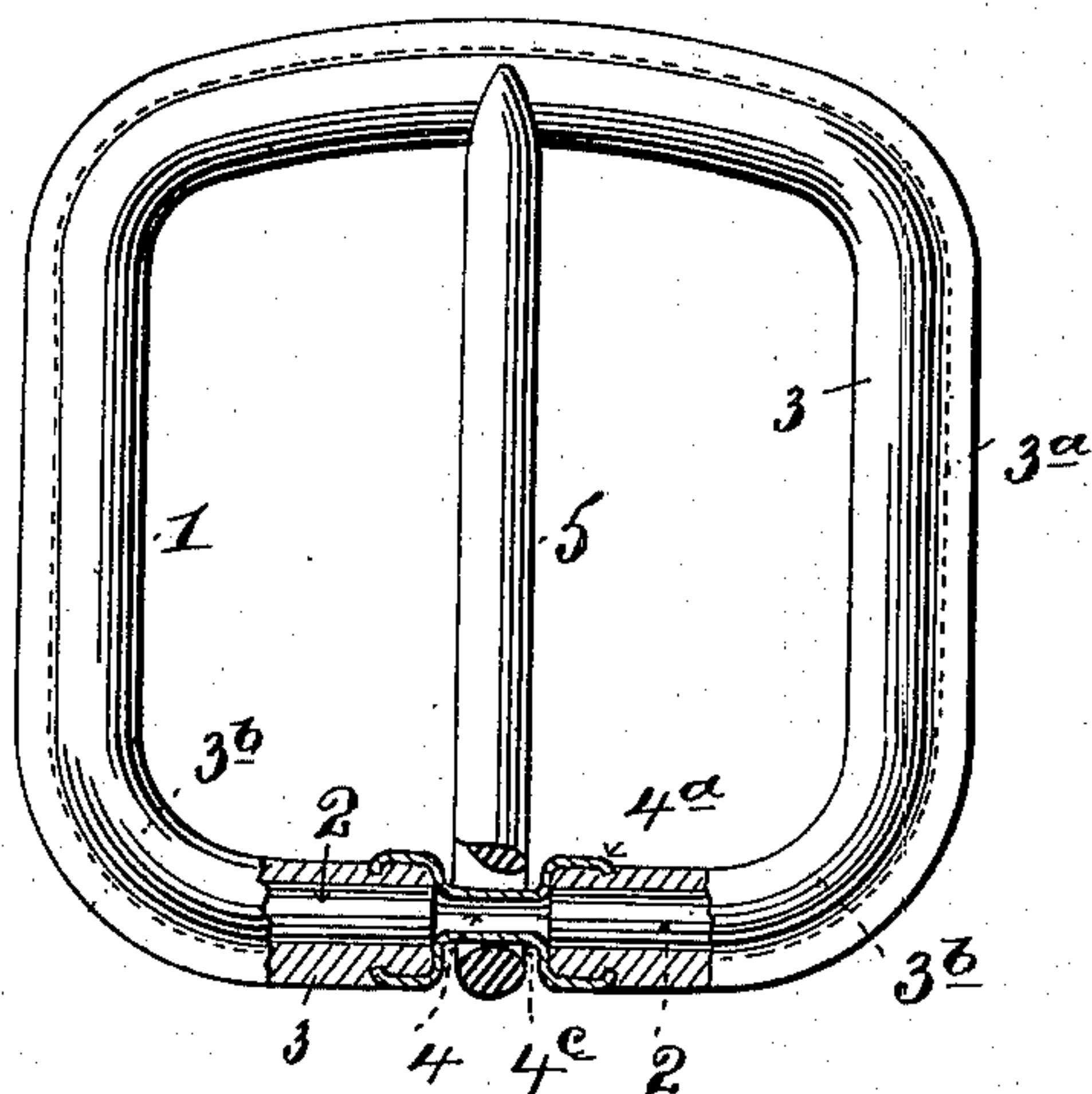


Fig. 2.

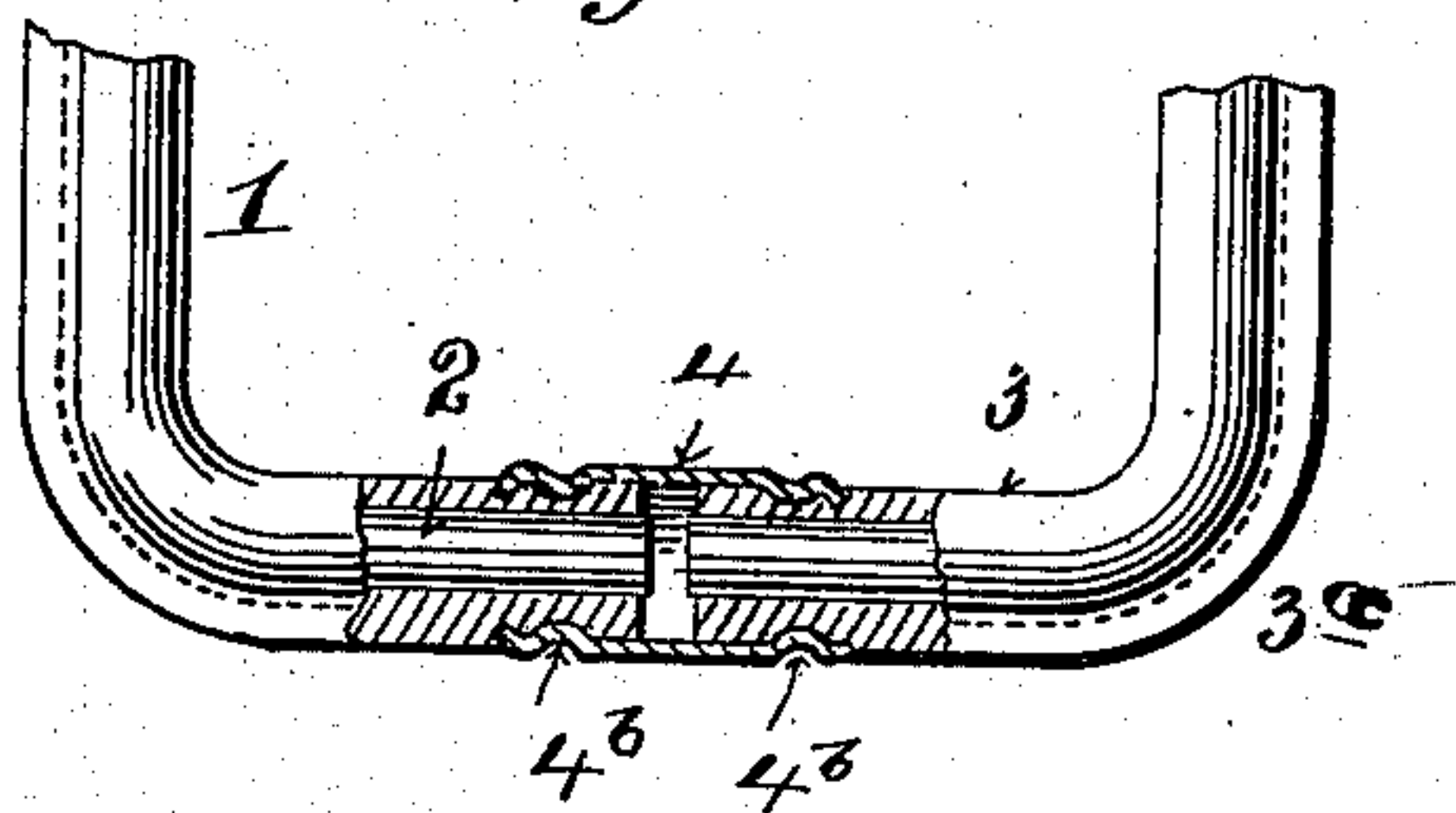


Fig. 4.

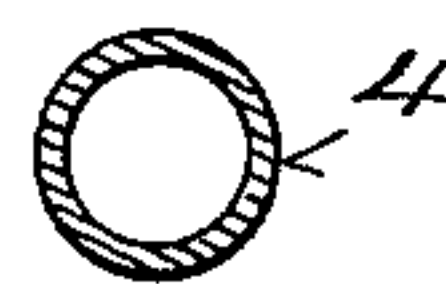
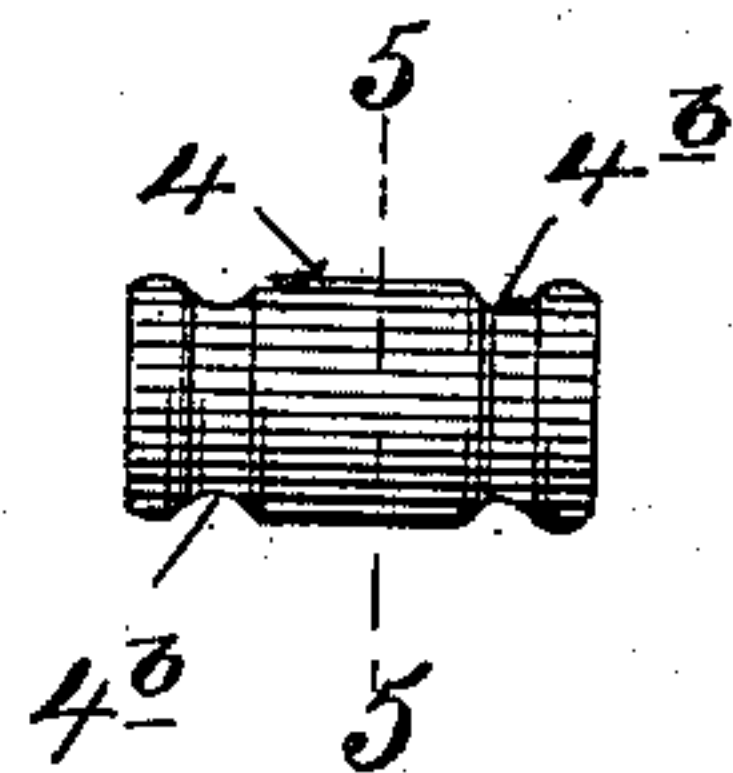


Fig. 5.

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# UNITED STATES PATENT OFFICE.

HENRY J. GAISMAN, OF NEW YORK, N. Y.

## BUCKLE OR FRAME.

SPECIFICATION forming part of Letters Patent No. 714,471, dated November 25, 1902.

Application filed May 11, 1901. Serial No. 59,721. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY J. GAISMAN, a citizen of the United States, residing in New York city, borough of Manhattan, State of New York, have invented certain new and useful Improvements in Buckles or Frames, of which the following is a specification.

My invention relates to improvements in the class of buckles or frames comprising a wire bent to shape and covered with leather or other fabric for the purpose of embellishing it. In this class of devices when the wire is covered with leather or fabric before it is bent to shape it may happen that if the covering is thick the ends of the wire will not come sufficiently close together to be fastened by solder or the like, but a space will be left between its ends.

One of the objects of my invention is to provide means for connecting the ends of the wire in this class of devices, so as to prevent them from spreading apart under ordinary use, and to attain this end I provide a ferrule or band which is placed around the ends of the cover and firmly secured thereto, whereby the ends of the cover are so united that the cover and the ferrule together keep the wire from spreading apart, and thus a structure is formed which will retain its proper shape under the ordinary conditions of use for which it is organized. When the adjacent ends of the wire are at a distance apart, I provide the ferrule or band with a depression or groove between the ends of the wire and of the cover, which depression serves to receive the eye of the buckle-tongue, and thereby keeps the tongue from sliding laterally, and as the depressed portion of the ferrule or band lies in the space between the ends of the wire the ferrule or band keeps the wires from being pressed toward each other.

The invention also consists in the novel details of improvement and the combinations of parts that will be more fully hereinafter set forth and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part hereof, wherein—

Figure 1 is a partly-sectional face view of a covered buckle embodying my invention.

Fig. 2 is a detail sectional view of part of a covered buckle, showing modified means for

securing the ferrule or band to the cover. Fig. 3 is a view similar to Fig. 1, showing the ferrule or band having a depression. Fig. 4 is a detail of a ferrule or band, and Fig. 5 is a cross-section on the line 5 5 in Fig. 4.

In the accompanying drawings, in which similar numerals of reference indicate corresponding parts in the several views, 1 indicates generally a buckle or frame, the main or body portion of which is made of wire, bent to shape and having its ends alined.

3 is a cover on the wire, which may be of leather or other suitable fabric and is shown provided with an outwardly-projecting web along its outer edge. The webs may be secured together by stitches, as indicated in the drawings. By preference the cover is placed upon the wire before the buckle or frame is bent to shape.

4 is a ferrule or band placed around the ends of the wire and the ends of the cover and secured to the cover. In Figs. 1 and 3 the ends of the ferrule at 4<sup>a</sup> are pressed into the cover 3, so as to be rigidly locked thereto. The bent ends 4<sup>a</sup> of the ferrule may be in the form of teeth or an annular flange inwardly turned so as to firmly grip the cover. In Figs. 2 and 4 the ferrule is provided with annular depressions 4<sup>b</sup> between its ends, which press into the material of the cover 3, and thus firmly lock the ferrule to the cover. By preference the ferrule is applied to the cover by wrapping a strip of suitable material around the ends of the cover and allowing its edges to abut, as shown in Fig. 5. When the ferrule is fastened to the cover, it keeps the ends of the cover from spreading apart, and as the cover is contiguous on the buckle or frame and is bent with the same it forms abutments or bends at 3<sup>b</sup>, that lie against the bent parts of the buckle or frame, and thus the cover and ferrule together keep the ends of the buckle or frame from spreading apart.

Where a wire is first covered and then bent to shape over a mandrel or die, it may happen that more or less space may be left between the ends of the wire, according to the thickness of the cover, and in some cases such space may purposely be formed between the ends of the wire, as shown in Fig. 3. In



such cases I preferably provide the ferrule 4 between its ends with a depression 4<sup>c</sup>, preferably annular, which lies between the ends of the wire and of the cover, whereby shoulders 5 are formed adapted to engage the ends of the wire and of the cover, and by this means the ends of the wire are kept from approaching and the ferrule is kept from sliding on the wire. This depressed portion 4<sup>c</sup> of the ferrule also forms a bearing for the eye of the buckle-tongue 5, and thereby the tongue is kept from sliding laterally upon the ferrule. When used as shown in Figs. 1, 2, and 3, the ferrule serves, with the cover, to keep the ends of the wire from spreading apart, to keep the cover from sliding on the wire, to conceal the raw edges of the cover and the wire, and as a bearing for the eye of the tongue, and the ferrule when used with the depression 4<sup>c</sup>, as shown in Fig. 3, serves the further purpose of keeping the ends of the wire and of the cover from being pushed toward each other and to keep the tongue 5 from sliding laterally off of the ferrule. It will be evident, however, that the ferrule can be rigidly secured to the cover otherwise than as shown.

My invention is useful as a buckle for waist-belts, harness, shoes, and in other relations where covered buckles or frames may be used, and I do not limit my invention to the details of construction shown and described, as they may be varied without departing from the spirit thereof.

Having now described my invention, what I claim is—

1. A buckle or frame comprising a wire bent to shape and having a cover, and a ferrule surrounding the ends of said cover and rigidly

attached thereto, substantially as described.

2. A buckle or frame comprising a wire bent to shape and having its ends alined, a cover on said wire, and a ferrule surrounding the ends of the cover and having inwardly-bent portions that enter the material of the cover to rigidly secure the ferrule thereto, substantially as described.

3. A buckle or frame comprising a leather-covered wire bent to shape and a ferrule surrounding the ends of such cover and rigidly attached thereto, substantially as described.

4. A buckle or frame comprising a wire covered with leather, the edges of the leather covering sewed together, the covered wire being bent to shape and a ferrule surrounding the ends of the cover and rigidly attached thereto, substantially as described.

5. A buckle or frame comprising a wire bent to shape and having a space between its ends, a cover on said wire, and a ferrule surrounding the ends of the cover and secured thereto and having a depression in the space between the ends of the wire, substantially as described.

6. A buckle or frame comprising a wire bent to shape and having a space between its ends, a cover on said wire, a ferrule surrounding the ends of the cover and secured thereto and having a depression in the space between the ends of the wire, and a tongue having its eye journaled on the depressed portion of the ferrule, substantially as described.

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