

No. 667,602.

Patented Feb. 5, 1901.

J. D. STIRCKLER.
FASTENER.

(Application filed May 1, 1900.)

(No Model.)

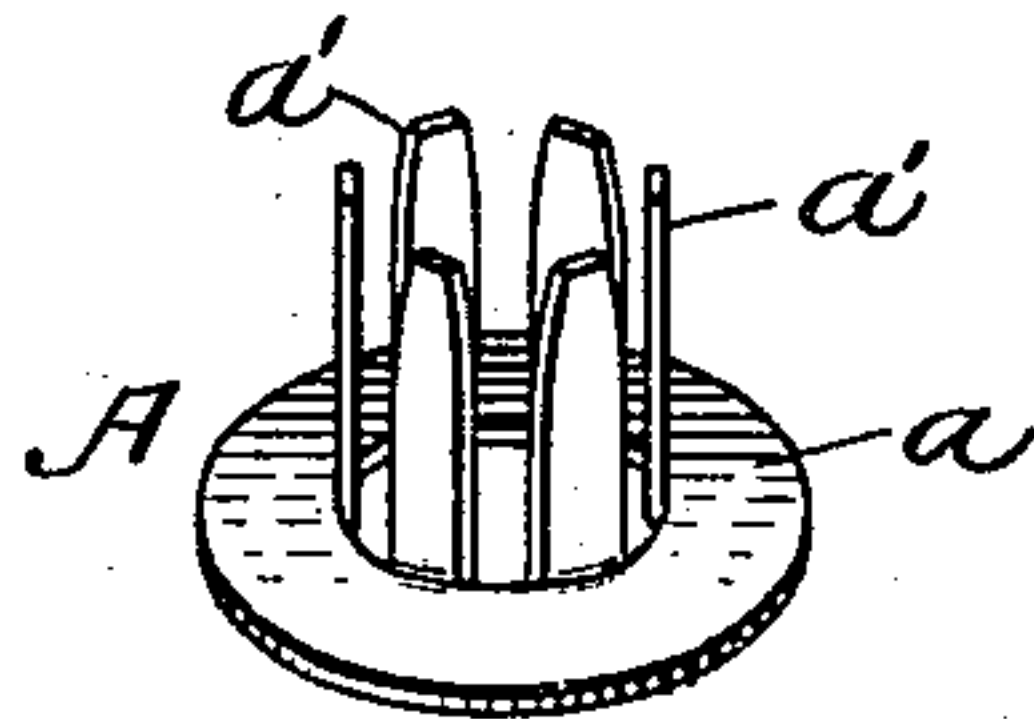


Fig. 1

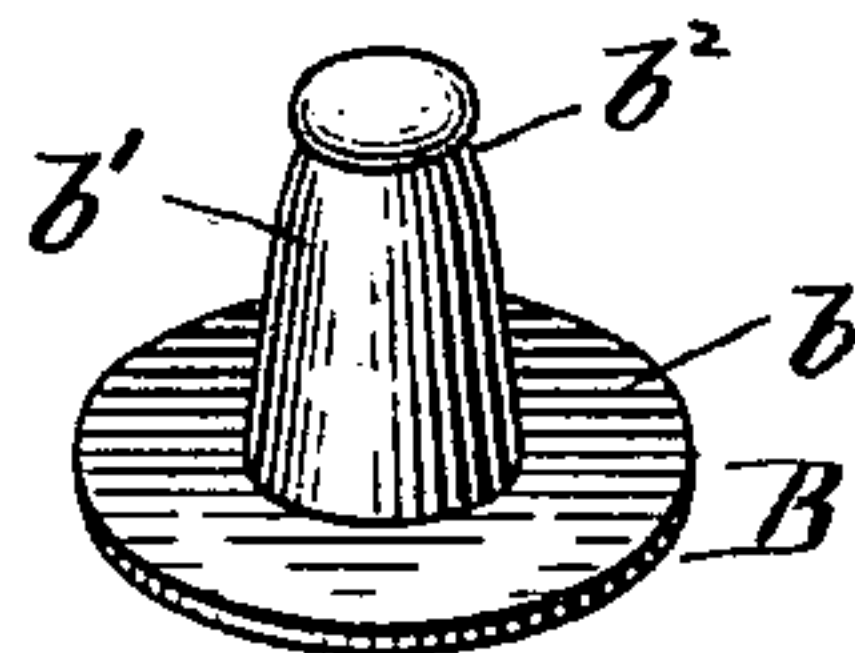


Fig. 2.

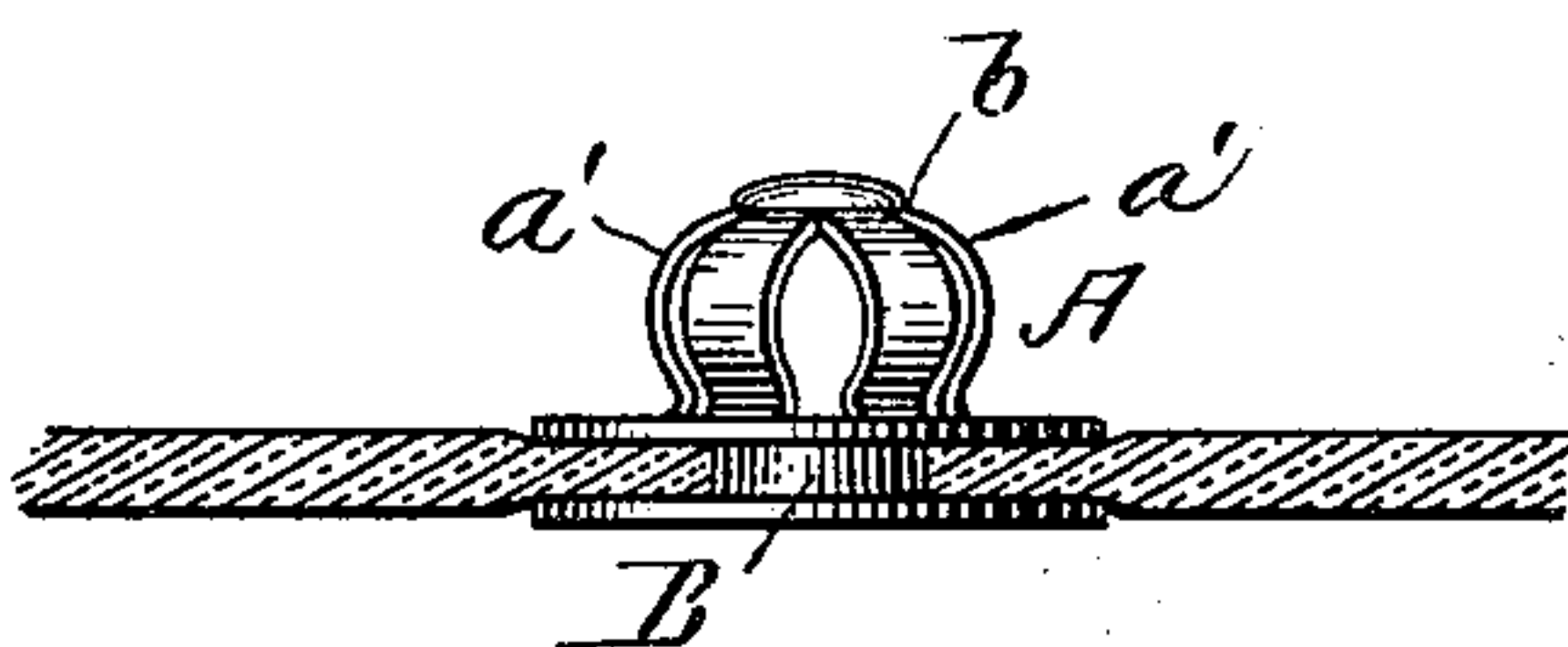


Fig. 3.

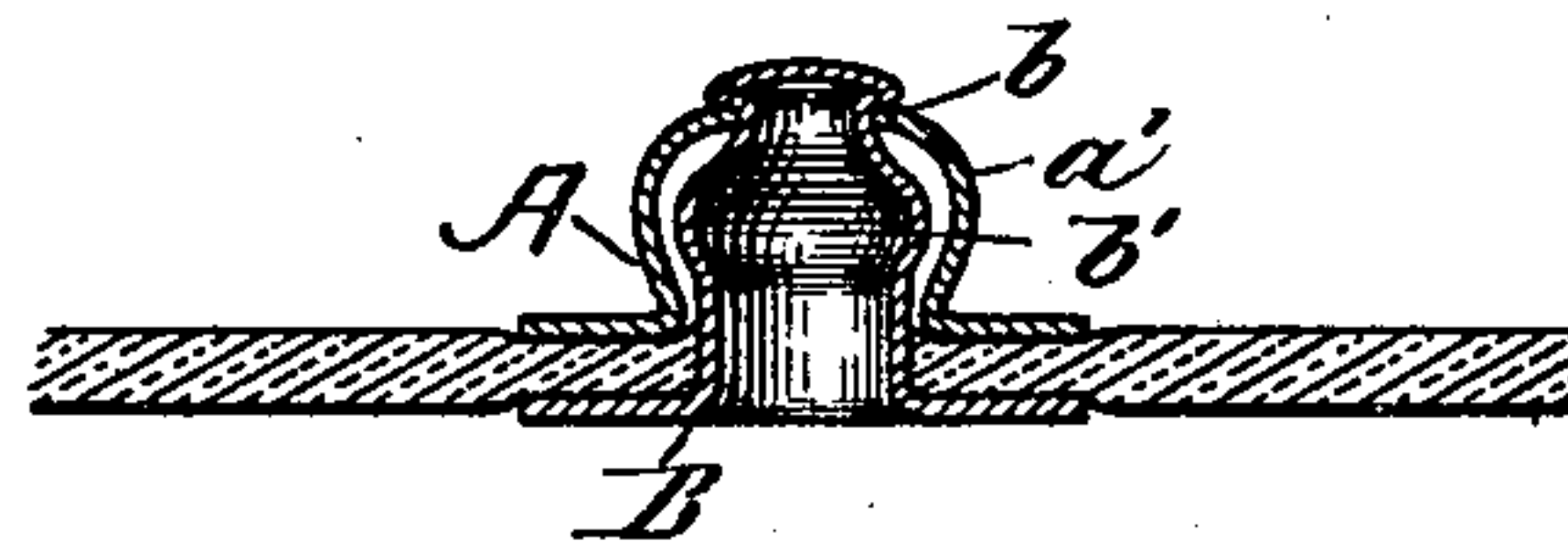


Fig. 4.

WITNESSES:

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UNITED STATES PATENT OFFICE.

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FASTENER.

SPECIFICATION forming part of Letters Patent No. 667,602, dated February 5, 1901.

Application filed May 1, 1900. Serial No. 15,151. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. STIRCKLER, a citizen of the United States, residing at Boston, in the county of Suffolk and Commonwealth of Massachusetts, (post-office address No. 468 Summer street, East Boston,) have invented a new and useful Improvement in Fasteners, of which the following is a full specification.

My invention relates to that class of separable fasteners having a ball member and a socket member; and it consists in a resilient ball member, details of which are hereinafter set forth.

Referring to the accompanying drawings, Figure 1 shows in perspective the fingered eyelet A, and Fig. 2 shows the domed attaching-eyelet B, which when assembled form my improved stud member. Fig. 3 shows an elevation, and Fig. 4 a vertical section, of my improved stud member set on the material, as shown in the drawings.

My improved stud member is composed of two pieces, the assembling of which not only produces a finished stud member, but attaches it to the article on which it is to be used. The fingered eyelet A consists of a flange *a* and the fingers *a'*, projecting at right angles to the flange and around its central opening. The domed attaching-eyelet B consists of a flange *b* and a shank or dome *b'*, having near its upper end the groove *b²*, adapted to engage the ends of the fingers *a'*, as shown in Figs. 3 and 4.

In forming my stud member and attaching same to any material the attaching-eyelet B is passed up through the material and the fingered eyelet A placed over it on top of the material. A suitable die is then pressed

down on top of the fingers *a'*, causing them to bend inward until they engage in the groove *b²*. Further pressure of the die flattens the top of the dome, making the engagement of the ends of the fingers more sure, upsets the shank *b'* of the attaching-eyelet, and causes the fingers *a'* to bulge outward, forming a resilient ball having a contracted neck. At the same time the material is firmly gripped between the flange *a* of the piece A, resting on top of the material, and the flange *b* of the piece B, resting beneath the material.

My improved ball member is adapted to engage with any form of resilient socket member having a contracted neck.

I claim—

1. In a fastener consisting of a ball member and a socket member, a resilient ball member consisting of a fingered flanged eyelet A in combination with a domed attaching-eyelet B, having at its crown a finger-tip engagement-groove substantially as shown and described.

2. A two-part stud member comprising a domed attaching-eyelet, having an annular groove, and also having an integral flange, and a resilient ball member formed with a flange and fingers extending therefrom, said fingers having their tips seated within said groove, and held therein by the material located between the flanges.

In witness whereof I have hereunto set my hand and seal.

JOHN D. STIRCKLER. [L. s.]

Witnesses:

WM. B. H. DOWSE,
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