

No. 735,654.

PATENTED AUG. 4, 1903.

A. J. BRADLEY.
GARMENT FASTENER.
APPLICATION FILED JULY 8, 1902.

NO MODEL.

Fig. 3.

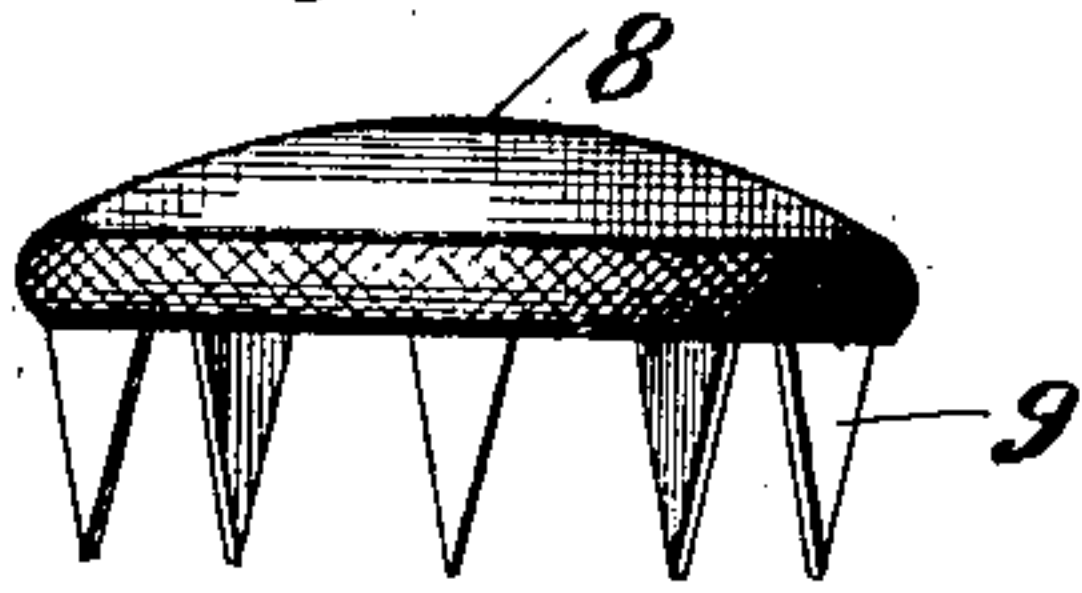


Fig. 7.

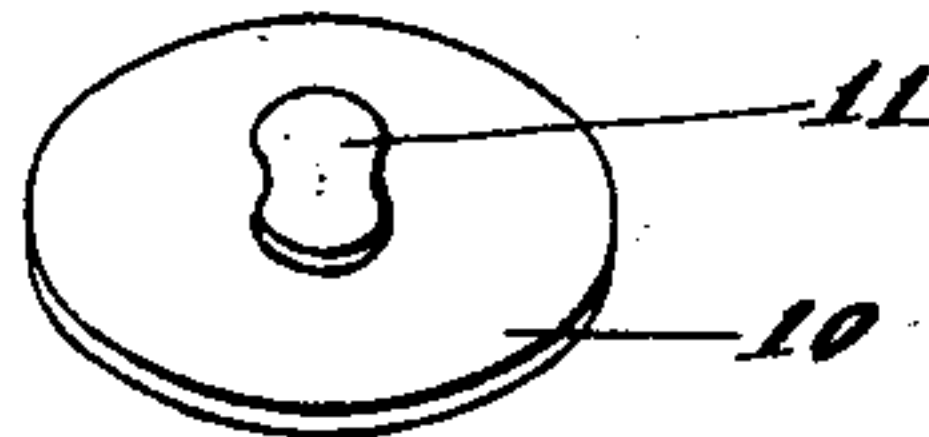


Fig. 1.

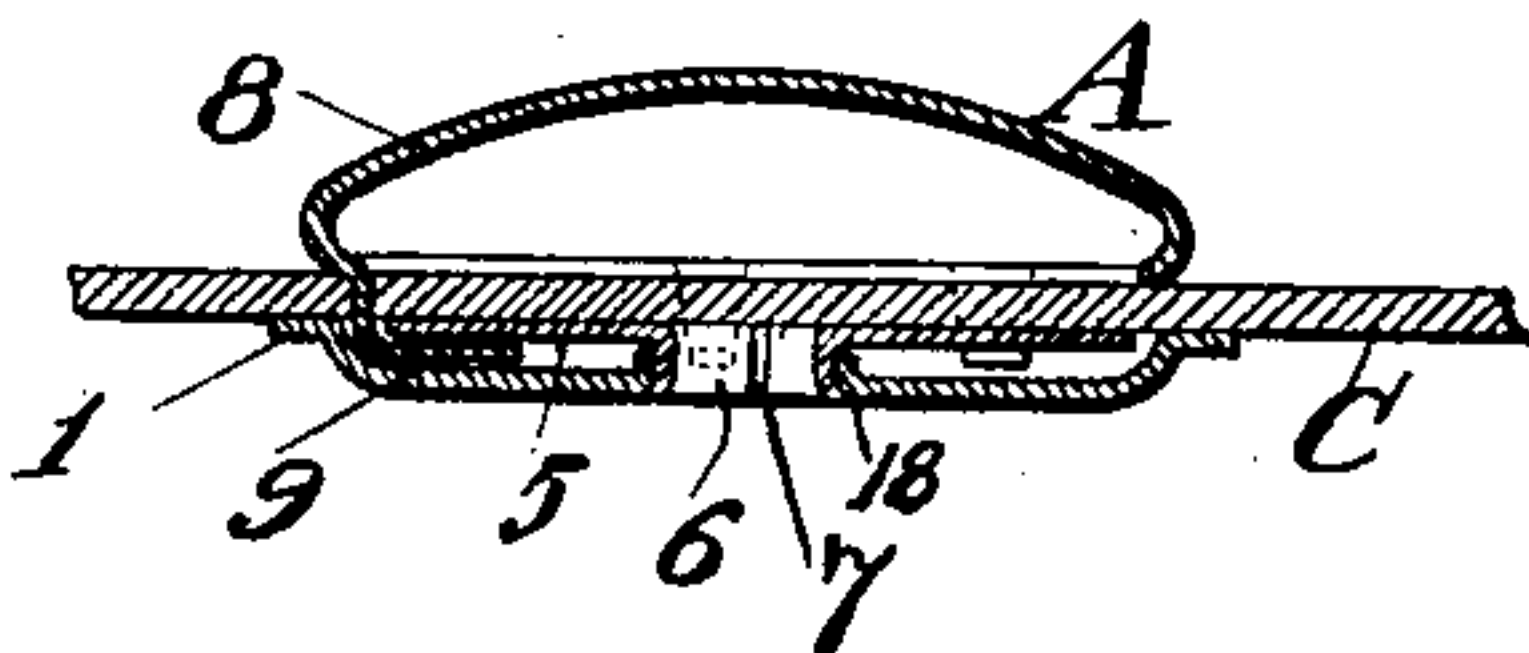


Fig. 8.

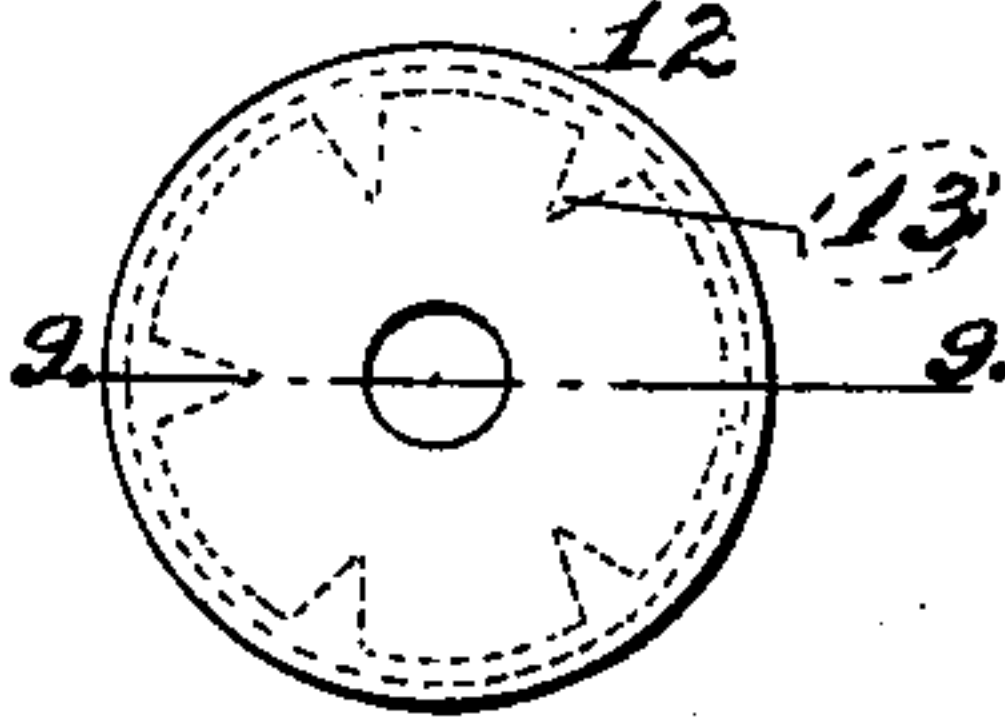


Fig. 4.

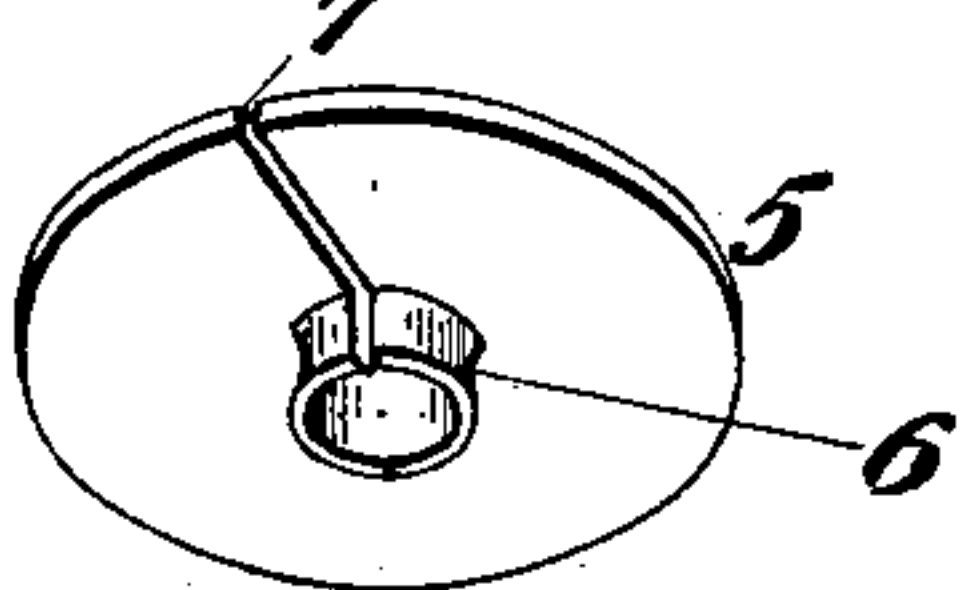


Fig. 2.

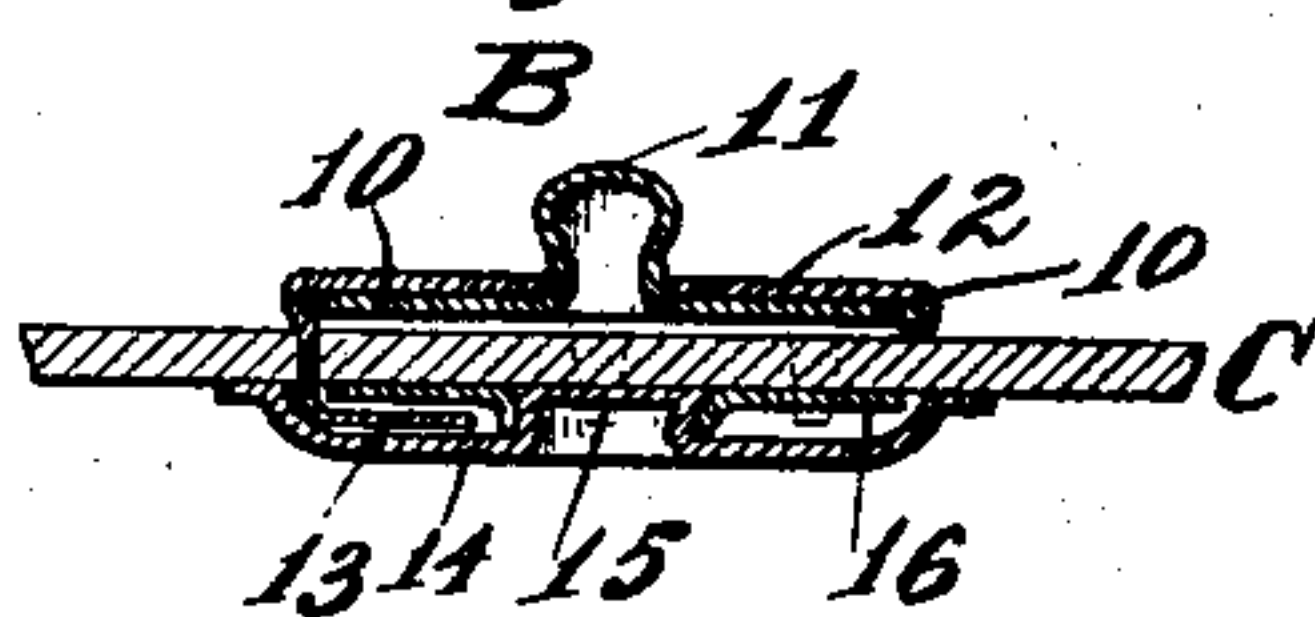


Fig. 9.



Fig. 5.

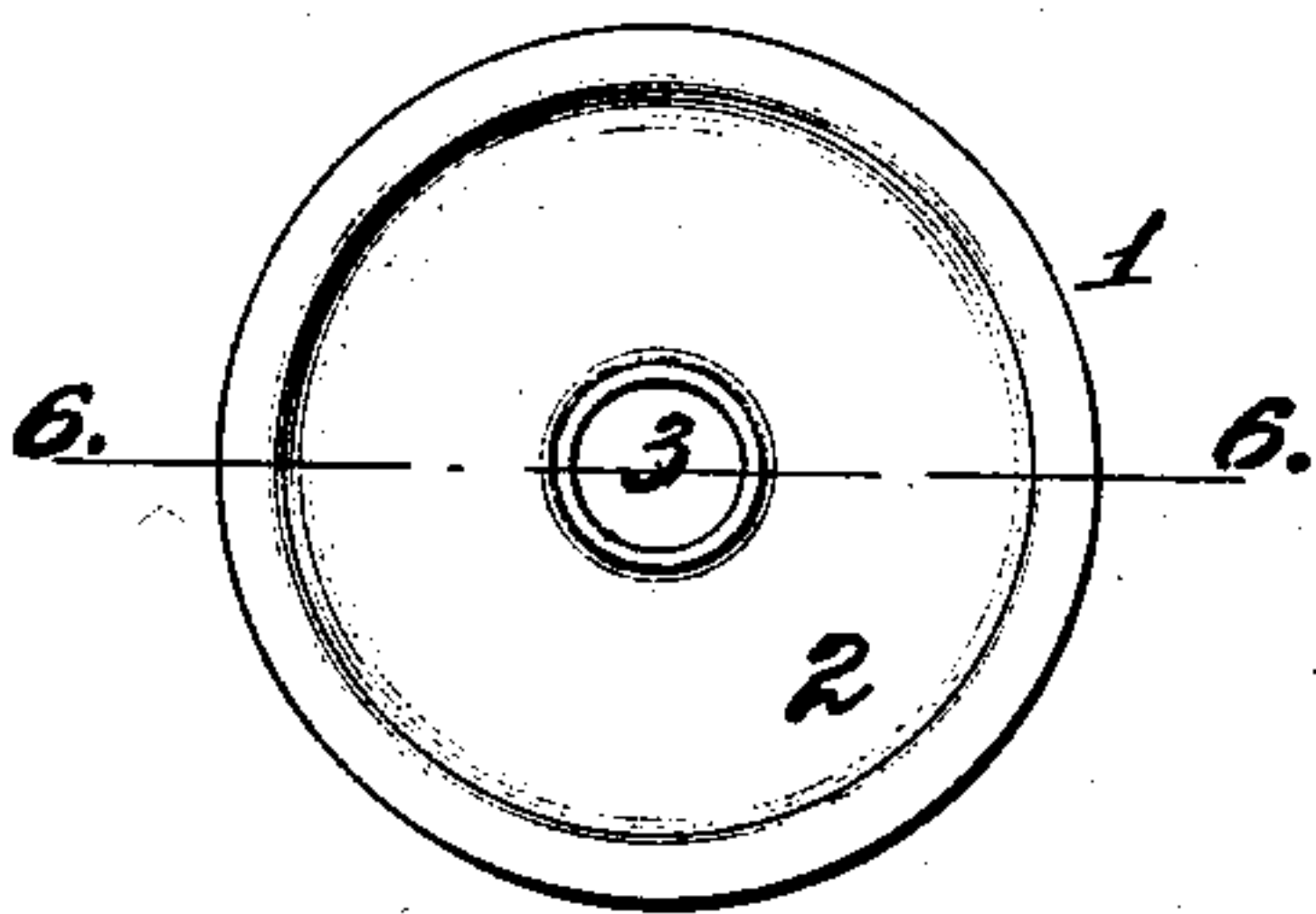


Fig. 10.

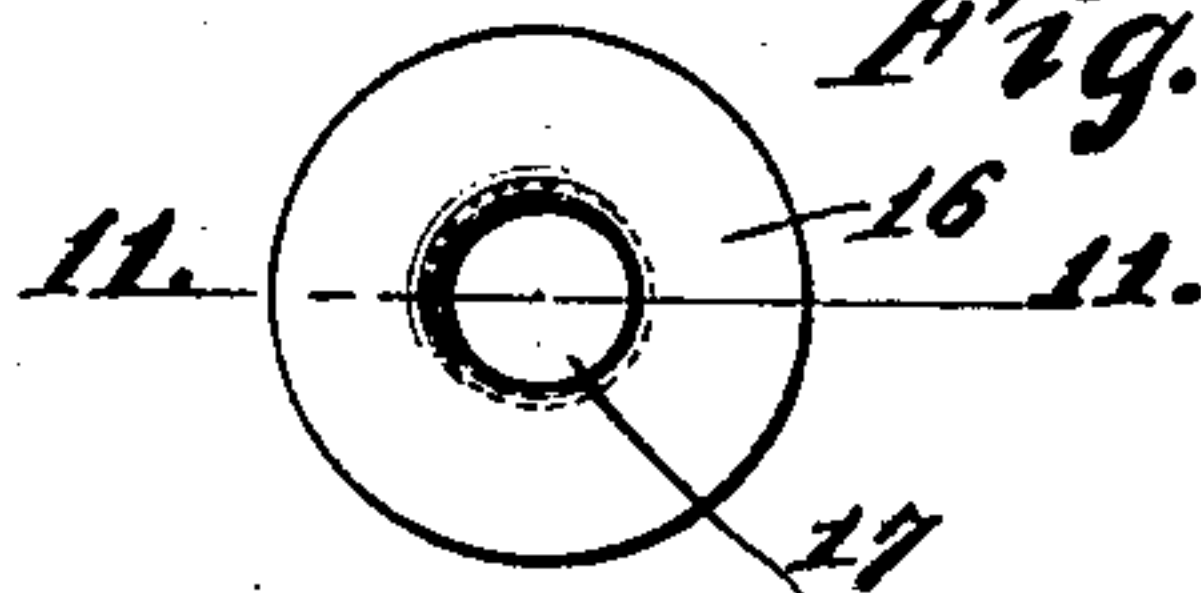


Fig. 6.

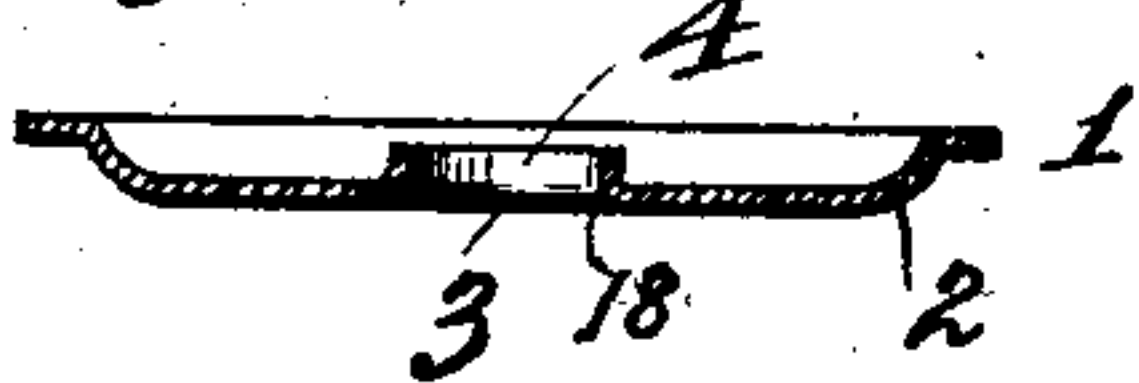


Fig. 12.

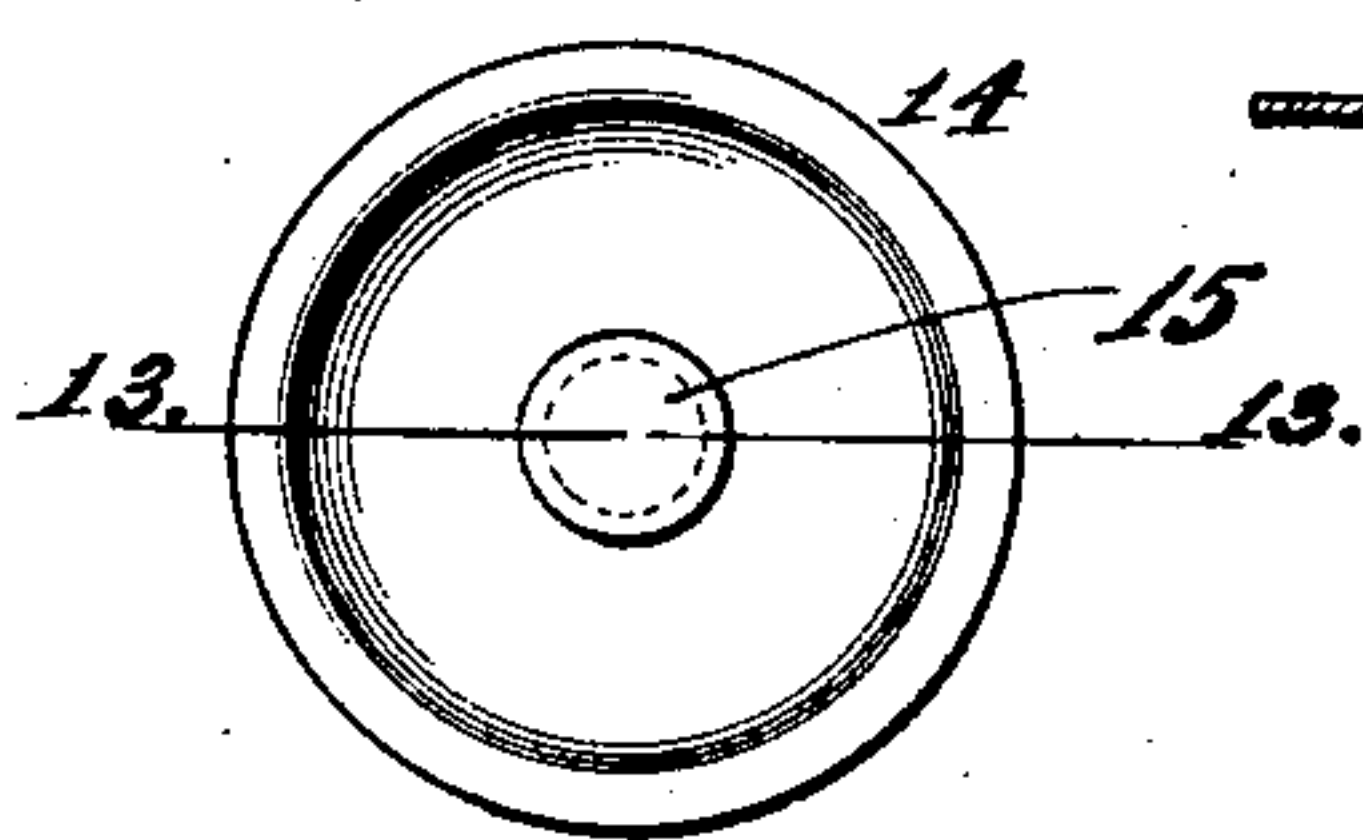


Fig. 11.

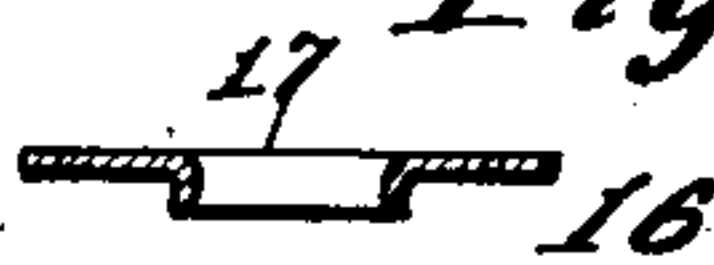


Fig. 13.



Attest:
Edw. L. Dillon
J. B. McGowan.

Inventor:
A. J. Bradley
by C. A. C. C.
Att'ys.

UNITED STATES PATENT OFFICE.

ANDREW J. BRADLEY, OF NEW YORK, N. Y.

GARMENT-FASTENER.

SPECIFICATION forming part of Letters Patent No. 735,654, dated August 4, 1903.

Application filed July 8, 1902. Serial No. 114,706. (No model.)

To all whom it may concern:

Be it known that I, ANDREW J. BRADLEY, a citizen of the United States, and a resident of the city, county, and State of New York, have
5 invented a new and useful Improvement in Garment-Fasteners, of which the following is a specification.

My invention relates to garment-fasteners, and has for its principal object to simplify
10 and cheapen the construction and manufacture of garment-fasteners.

It also consists in the parts and in the arrangement and combination of parts hereinafter described and claimed.

15 In the accompanying drawings, which form part of this specification and wherein like symbols refer to like parts wherever they occur, Figure 1 is a sectional view of the socket member of my device fastened to a garment.
20 Fig. 2 is a sectional view of the stud member fastened to a garment. Fig. 3 is a detail view of the top of the socket member. Fig. 4 is a detail view of the split ring of the socket member. Figs. 5 and 6 are respectively top and
25 cross-sectional views of the base-disk of the socket member. Fig. 7 is a detail view of the stud-disk of the stud member. Fig. 8 is a top view, and Fig. 9 is a sectional view, of the pronged disk of the stud member. Fig. 10 is
30 a top view, and Fig. 11 is a sectional view, of the distance-disk of the stud member; and Figs. 12 and 13 are respectively top and sectional views of the main base-disk of the stud member.

35 My device comprises a socket member A and a headed member B, adapted to interlock with said socket member. The socket member A consists of a disk 1, offset in its middle portion 2 and having a hole 3 in said offset
40 portion. The edge of said hole 3 is turned back beyond the plane of the disk 1 to form a tubular rib or post 4. A second disk 5 has a hole in its central portion, and the edge or wall of said hole is elongated to form a tubular
45 thimble 6. This thimble thus projects through the hole 3 in the first-mentioned disk 1 and has its end upset or curled back over the rounded edge of the base 18 of said post, so as to interlock therewith, as shown in Fig. 1.
50 The tube or thimble 6 is split or slit endwise, so as to be resilient, and preferably the slit 7 extends to the outer edge of the disk 5, which

is hereinafter called a "split ring." By this arrangement the split ring 6 is fastened to the first-mentioned disk 1 and is held parallel
55 with the offset portion thereof at a slight distance therefrom, being preferably in the plane of the disk proper. The outer diameter of the split ring is somewhat less than the diameter of the outer plane portion of the disk, whereby
60 a small annular space intervenes between the edge of the split ring and the rim portion of the disk. The portion of the disk connecting the rim portion and the offset portion is inclined.
65

The top 8 of the device consists of an ornamental disk or cover having prongs 9 arranged concentrically thereon in position to correspond with the annular space surrounding the outer edge of the split ring. By this
70 arrangement the socket member may be fastened to the garment or fabric C merely by forcing the prongs of the top through the fabric and into the annular space surrounding the split ring, whereby said prongs bear
75 against the inclined surface of the disk 1 and are turned thereby under the edge of said split ring, so as to interlock therewith.

The stud member B comprises a disk 10, having a raised stud at its center, with a head
80 11 on said stud. Said head is of proper size to cooperate with the socket-tube or split ring of the socket member A. A second disk 12, having a central opening through which the headed stud projects, has its end turned
85 over the edge of the stud-disk 10 and itself has a number of prongs 13 at its margin. The base of the stud member B consists of a disk 14, similar to the base-disk 1 of the socket member A. Instead, however, of having a
90 hole through its tubular rib or post 15, as in the socket member, the outer end of said post is closed by the sheet metal, which thus acts as a strut to strengthen said post. The projecting end of said post 15 is of greater di-
95 ameter than its intermediate portion. A disk 16, with a central perforation 17, fits over said post and has its inner edge curled snugly about the same, so as to interlock with the overhanging end of the post, and serves as a
100 distance-piece for holding said disk 16 away from the main base-disk 14. As in the case of the socket member A, an annular space intervenes between the edge of the disk 16 and

the rim portion of the dished or concave disk 14, and the prongs 13 on the disk 12 are arranged to correspond with such annular spaces. The parts composing the stud member B are fastened together and to the fabric by forcing the prongs 13 through the fabric and into the space surrounding the disk 16. Continued pressure causes said prongs to bear against the inclined surface of the base-disk 14, whereby they are turned and curved under the edge of the disk 16, so as to interlock with the parts forming the stud member.

The construction hereinbefore described admits of modification without departing from my invention, and I do not wish to be restricted to such construction.

What I claim is—

1. A socket member for a garment-fastener consisting of a continuous disk having a hole therein, a resilient split ring mounted in said hole, and a top having prongs, said disk being arranged to provide a space between the edge of said ring and the body portion of said disk and being concaved to turn the prongs under the edge of said ring, substantially as described.

2. A socket member for a garment-fastener adapted to be used without mutilating the garment, said fastener consisting of a continuous disk having an opening in its middle portion, a tubular post around said opening, a resilient split ring mounted on said post, and a top having prongs arranged to pierce the fabric and interlock with the base portion of said socket member, substantially as described.

3. A socket member for a garment-fastener consisting of a concave disk having an opening in its middle portion, a tubular post around said opening, a resilient split ring mounted on said post, and a top having prongs arranged to pierce the fabric and be turned under the edge of the split ring, substantially as described.

4. A socket member for a garment-fastener consisting of a concave disk having an opening in its middle portion, a tubular post around said opening, a resilient split thimble extending through said post and having one end curled over the base of said post, and a top having prongs arranged to be turned by the inclined surface of the disk to interlock with the edge of the thimble, substantially as described.

5. A stud member for a garment-fastener consisting of a concave disk having a post thereon, a disk mounted on said post, and a stud-section having prongs adapted to pierce the fabric and be turned by the inclined portion of said first-mentioned disk to interlock with the disk on the post, substantially as described.

6. A stud member having a garment-fastener comprising a concave disk having a post thereon, a disk interlocking with said post, and a stud-section having prongs adapted to pierce the fabric and be turned by the inclined portion of said first-mentioned disk to interlock with the disk on the post, substantially as described.

7. In a garment-fastener the combination of a socket member consisting of a disk having a hole therein, a resilient split ring mounted in said hole and a top having prongs adapted to pierce the fabric and secure the parts of said socket member together, and a stud member consisting of a concave disk having a post thereon, a disk mounted on said post, and a stud-section having prongs adapted to pierce the fabric and be turned by the inclined portion of said first-mentioned disk to interlock with the disk on the post, all substantially as described.

ANDREW J. BRADLEY.

Witnesses:

LAURA B. PERKINS,
WILBUR W. COOMBS.