

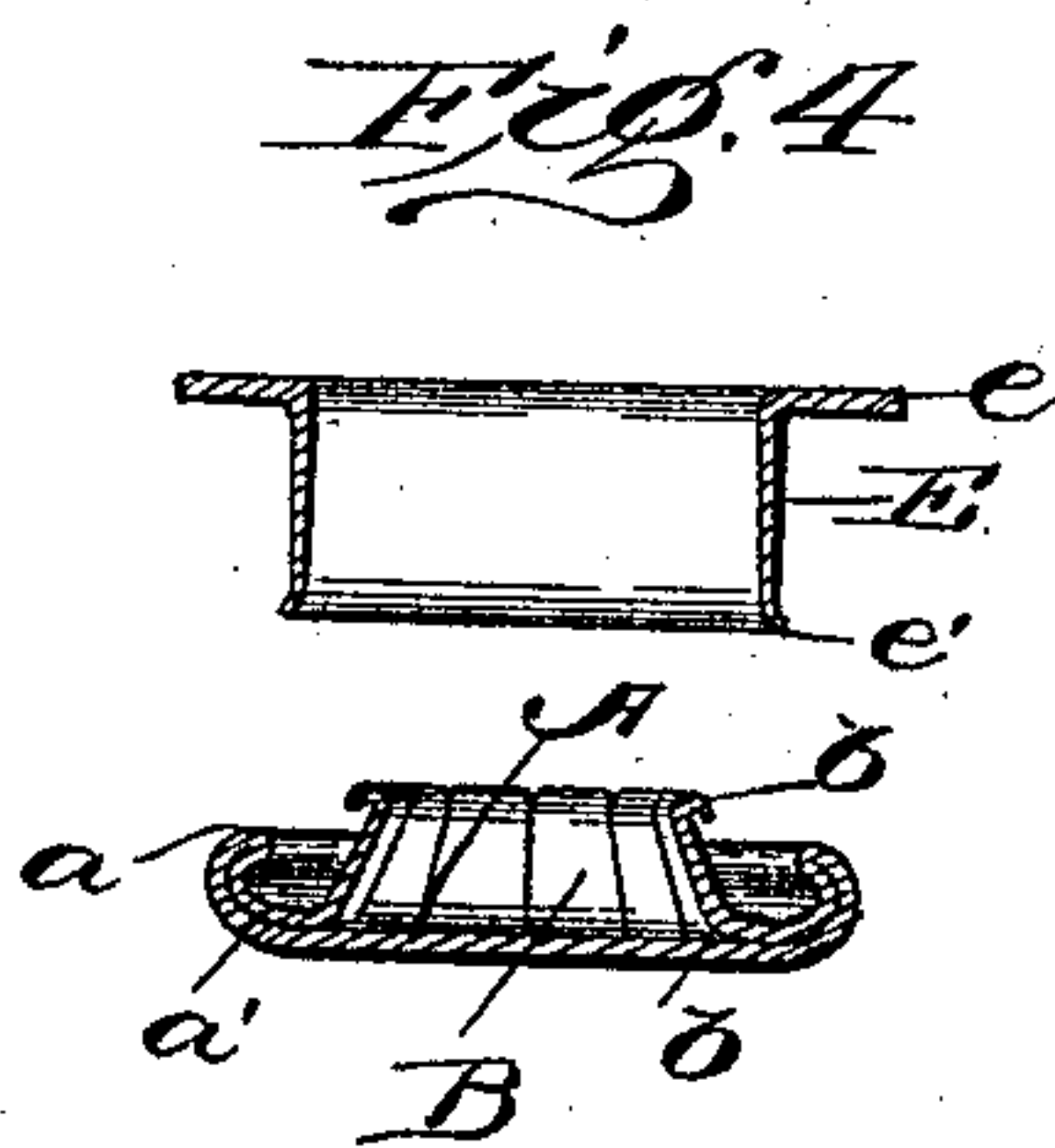
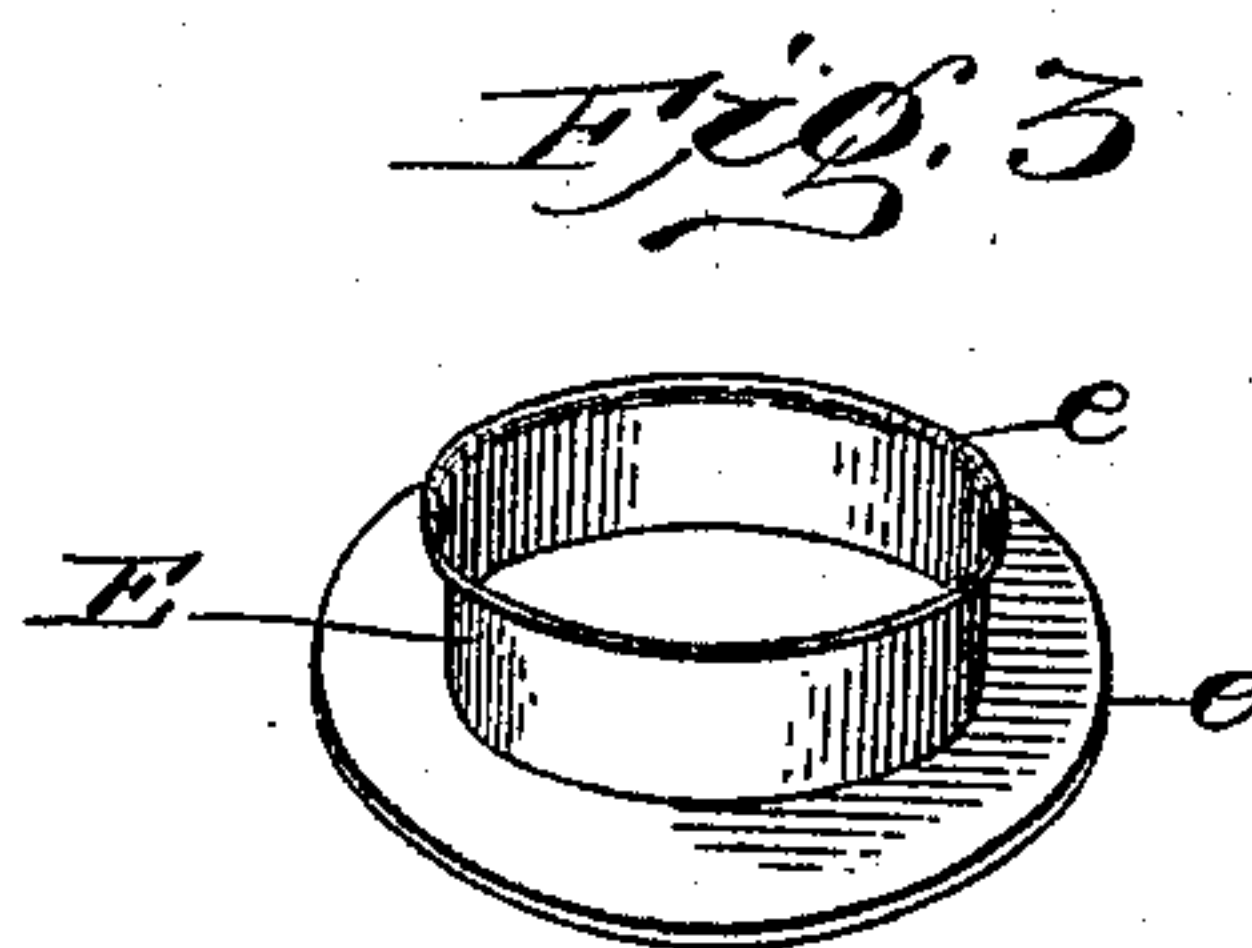
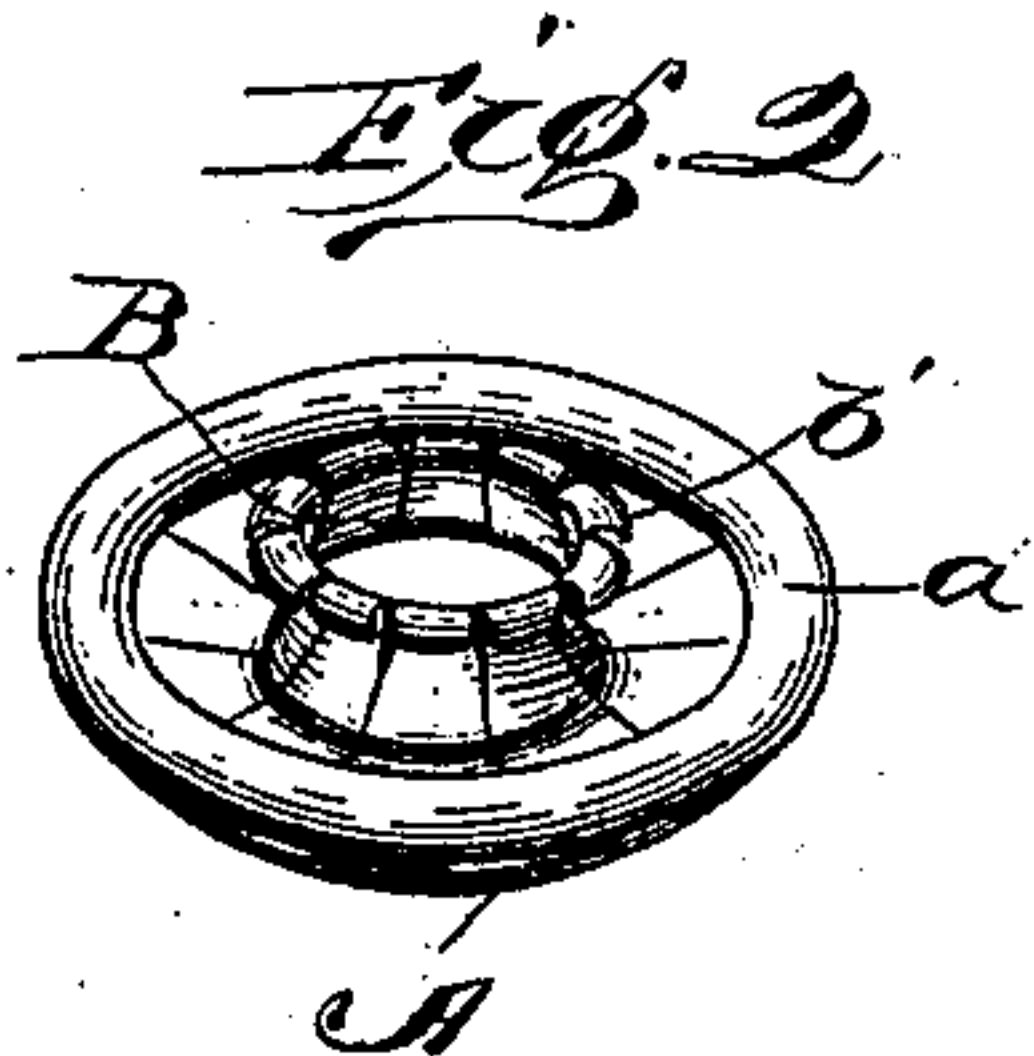
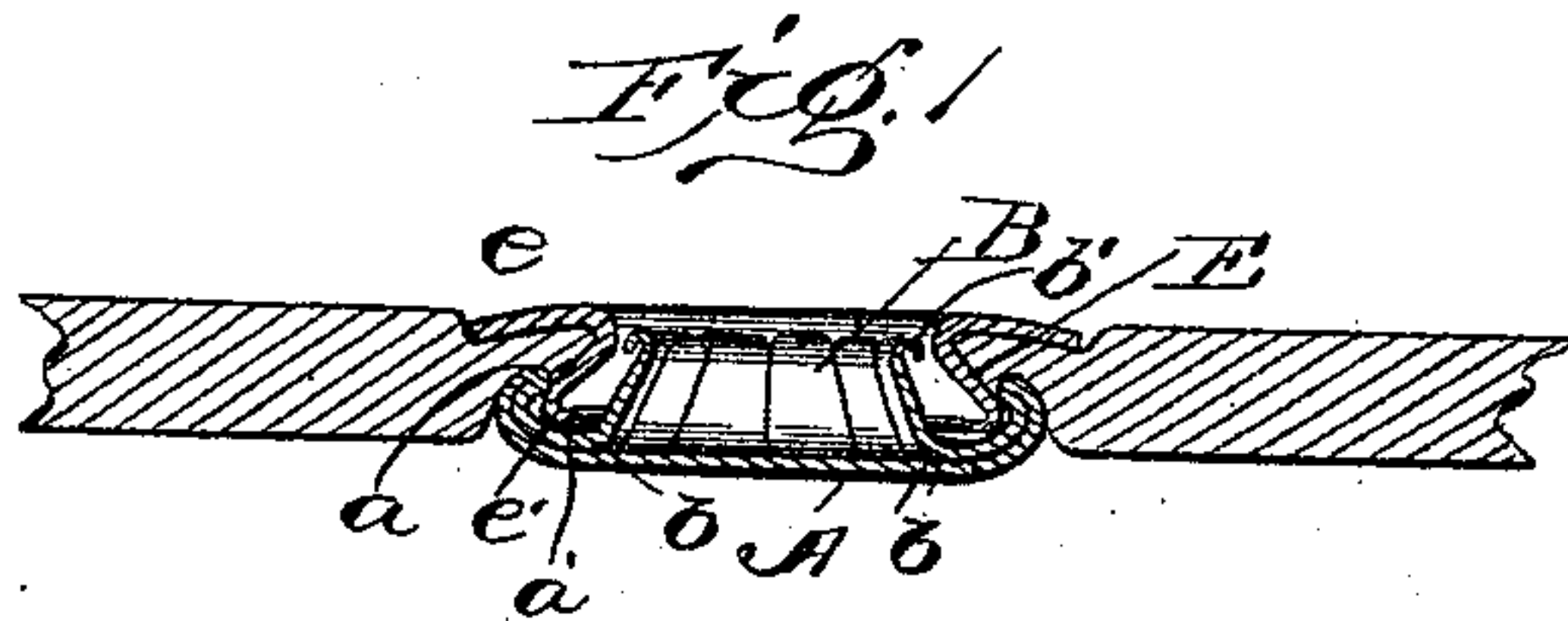
No. 617,624.

Patented Jan. 10, 1899.

G. E. ADAMS.
SEPARABLE FASTENER.

(Application filed Feb. 17, 1898.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE E. ADAMS, OF NEW BRITAIN, CONNECTICUT.

SEPARABLE FASTENER.

SPECIFICATION forming part of Letters Patent No. 617,624, dated January 10, 1899.

Application filed February 17, 1898. Serial No. 670,642. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. ADAMS, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Separable Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the letters of reference marked thereon.

This invention relates to improvements in socket members of separable fasteners such as are used on garments, gloves, and the like, and has for its object to provide a device having but few parts and in which the resilient retaining-arms shall have a large range of flexibility and at the same time be protected against breakage by external pressure—as, for instance, as might be brought to bear upon them if stepped upon.

Referring to the accompanying drawings, Figure 1 is a cross-sectional view through the socket member embodying my present improvement and secured in place upon the fabric or goods, such as a garment or glove. Fig. 2 is a perspective view of the cap-piece alone. Fig. 3 is a perspective view of the eyelet alone. Fig. 4 is a sectional view through these parts, showing them slightly separated, but in line with each other for attachment to the goods.

Like letters of reference in the several figures indicate the same parts.

In carrying my invention into practice a cap-piece A, preferably having a crowning exterior, is formed of sheet metal, with its edge doubled back upon itself at *a* and this doubled portion turned inwardly to form an annulus or inwardly-extending flange *a'*, the free edge being then extended in substantially the plane of the outer surface of the cap-piece to a point *b*, from which point it is subdivided into a series of resilient arms B, which converge upwardly and have their extremities turned back upon themselves at *b'*. The article as thus constructed is made up of an integral piece of metal and constitutes in itself one of the two pieces going to make up the socket member. The cooperating piece, by which the socket member is secured in place upon the goods, is made in the form of an eyelet E, having a base-flange *e* and a slightly-

flared free edge *e'* on the body of the eyelet, which when the parts are brought into the relation shown in Fig. 4 and then pressed strongly together will double inwardly and cause the doubled edge of the eyelet to spread in behind the doubled edge *a* of the cap-piece, and thereby firmly and securely unite the parts and grip the web of goods between the flange *e* of the eyelet and said doubled edge of the cap-piece.

The walls E of the eyelet encircle the ends of the resilient arms quite closely and preferably limit their outward range of elasticity, although, as is obvious, this is optional with the maker.

The socket member, it will be seen from the above, is composed of but two integral pieces, which two pieces in being united secure the socket member firmly in place upon the goods or garment, and the fastening process consists in a simple application of pressure on opposite sides of the two members. The parts—i. e., the cap A and eyelet E—are held together very firmly by the cooperating annular edges *a* and *e'*, the metal of each of which is doubled back on itself.

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

1. As an improved article of manufacture, a cap-piece for socket members of resilient fasteners formed with a crowning exterior surface having its edge doubled back upon itself inwardly and said doubled edge bent in to form an inwardly-extending annular flange, the free edge being then carried toward the center of the cap-piece and divided into a series of resilient arms extending outwardly from the cap-piece and converging toward each other to form a resilient holding edge; substantially as described.

2. A cap-piece for socket members of separable fasteners formed of an integral disk of metal having its edge doubled back upon itself inwardly and said doubled edge turned in to form an inwardly-extending annular flange with a free edge extended toward the center of the cap-piece and divided into a series of projecting resilient arms converging toward each other, combined with an eyelet having a base-flange and a body flared outwardly at its edge adapted to take behind the

doubled inwardly-extending flange of the cap-piece substantially as described.

3. In a socket member for separable fasteners the combination with a cap-piece having its peripheral edge doubled back upon itself and bent inwardly to form an inwardly-extending annular flange and having centrally-arranged resilient arms, of an eyelet having the edge of its body portion doubled back upon itself behind the doubled inwardly-extending flange of the cap-piece and a base-

flange on the eyelet for gripping the goods between it and said doubled flange of the cap-piece whereby the holding edges for uniting the two parts of the socket member are formed by doubled edges of metal; substantially as described. 15

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