

(No Model.)

A. L. BRITTON.

EAR MUFF.

No. 359,425.

Patented Mar. 15. 1887.

Fig. 1.

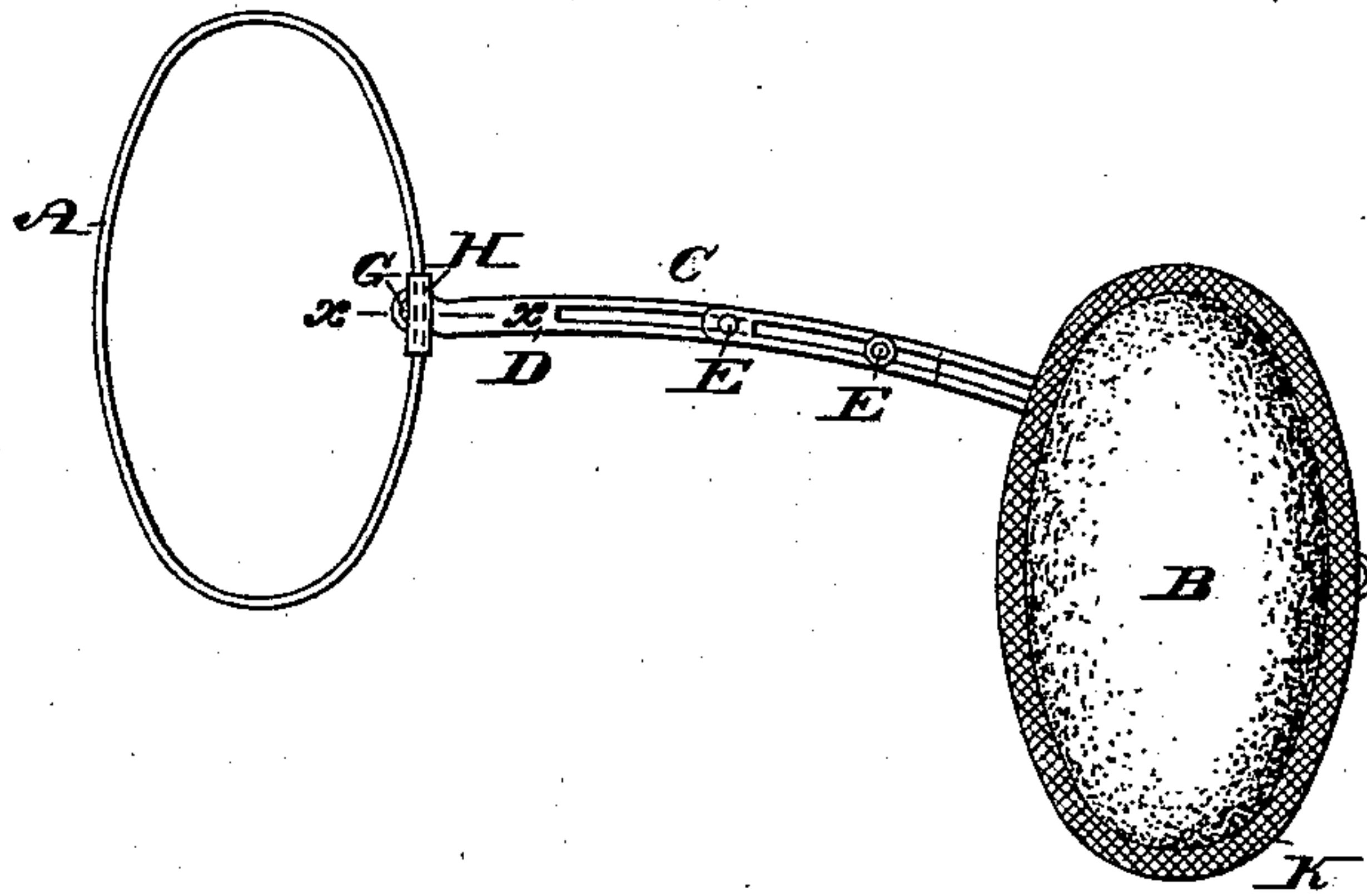


Fig. 2.

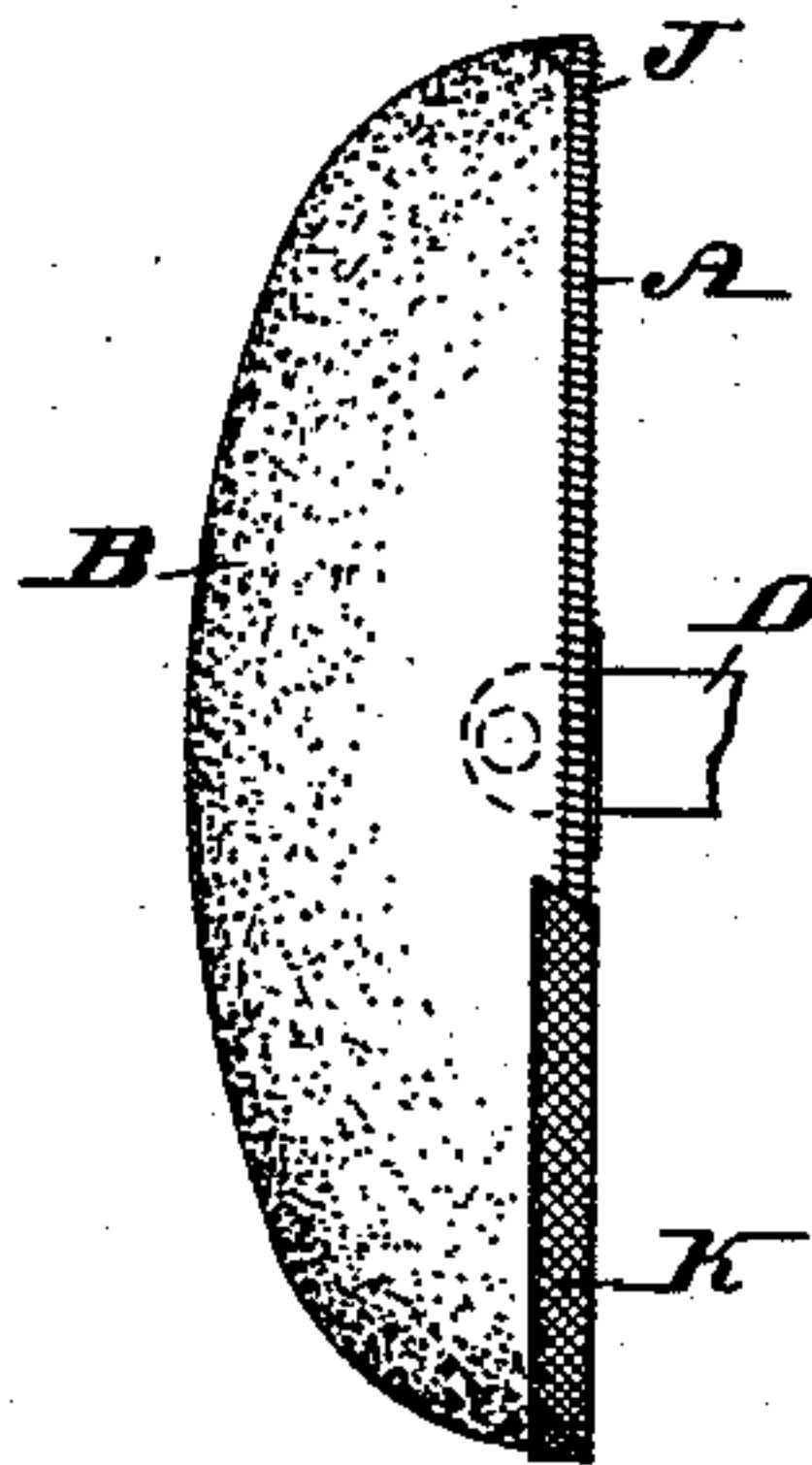


Fig. 3.



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## EAR-MUFF.

SPECIFICATION forming part of Letters Patent No. 359,425, dated March 15, 1887.

Application filed September 1, 1886. Serial No. 212,378. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW L. BRITTON, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Ear-Muffs, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a perspective view of an ear-muff embodying my invention, one of the ear-pieces having its covering removed. Fig. 2 represents an end view, partly sectional, of a detached portion thereof. Fig. 3 represents a section in line *x x*, Fig. 1, on an enlarged scale.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of an ear-muff having its head-piece made of adjustable arms which retain their adjustment owing to the friction between the parts, the arms being strong and durable, and also light and flexible, whereby they set easy and comfortable on the head.

It further consists of a novel mode of securing the coverings of the ear-pieces to the frame thereof, whereby said pieces set close to and snugly on the ears.

It also consists of the novel construction of the pivotal connections of the head-pieces and frames of the ear-pieces, as will be hereinafter fully set forth.

Referring to the drawings, A represents the frames of the ear-pieces of an ear-muff, and B the coverings thereof.

C represents the head-pieces, which are connected with the ear-pieces, and pass around the head of the wearer for retaining the muff in position thereon. The head-pieces consist of arms formed of thin and light strips D, of flexible or elastic metal or other material, curved to conform to and clasp the head of the wearer, the strips being longitudinally slotted and connected by rivets E, which are secured to one strip, and have their heads overlap the slot of the other strip, whereby the strips may slide on each other, and the head-piece thus be adjusted in length or size, the friction of the strips causing the head-piece to

retain its adjustment. The head-piece has its ends bent outwardly, forming lips F, and through the same pass the pivots or pins G, by which the ear-pieces are pivotally connected with the head-piece, said pivots G entering ears H and, being headed thereon, said ears consisting of pieces of metal, which are bent or doubled around the frames of the ear-pieces and soldered or otherwise secured thereto, thus firmly connecting the ear and head-pieces, and permitting the ear-pieces to rotate or turn on the lips F and conform to the shape of the ears and adjacent portion of the head of the wearer.

The coverings B of the ear-pieces have their edges close to the frames A thereof without being folded therearound, and are secured to said frame by the stitches J, which are sewed to the edges and run around the frame, whereby, when the binding K is attached, there is no thickness of covering material between the frames A and binding K, so that the ear-pieces are of reduced weight and they set closely and snugly on the ears, the entire ear-muff being light and durable, and adapted to be quickly applied and removed and easily worn.

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

1. An ear-muff composed of ear-pieces and a head-piece, each of the ear-pieces having a frame, a cover, and ears, and the head-piece having slotted arms secured to each other by rivets or studs passing through the slots of said arms, and the said arms being provided with lips pivoted to the ears of the ear-pieces, all substantially as described.

2. An ear-muff composed of ear-pieces and a head-piece, each of said ear-pieces having a frame, cover, and ears, the cover being secured to the frame by stitches which pass around the frame, the head-piece having slotted arms secured to each other by rivets or studs passing through the slots of said arms, and the said arms being provided with lips pivoted to the ears of the ear-pieces, all substantially as described.

3. In an ear-muff, a head-piece having its ends formed with lips, and the ear-pieces hav-

ing ears doubled over the frame thereof, in combination with pivots passed through the lips and ears and secured thereto, substantially as described.

- 5 4. An ear-muff having its ear-piece formed of a frame, cover, and binding, the edge of the cover resting against the frame without being folded thereon, and secured thereto by stitches

which pass through the cover and around the frame, and the binding passing around the frame, all substantially as described.

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