

(No Model.)

D. BASCH.  
EAR MUFF.

No. 360,985.

Patented Apr. 12, 1887.

Fig. 1.

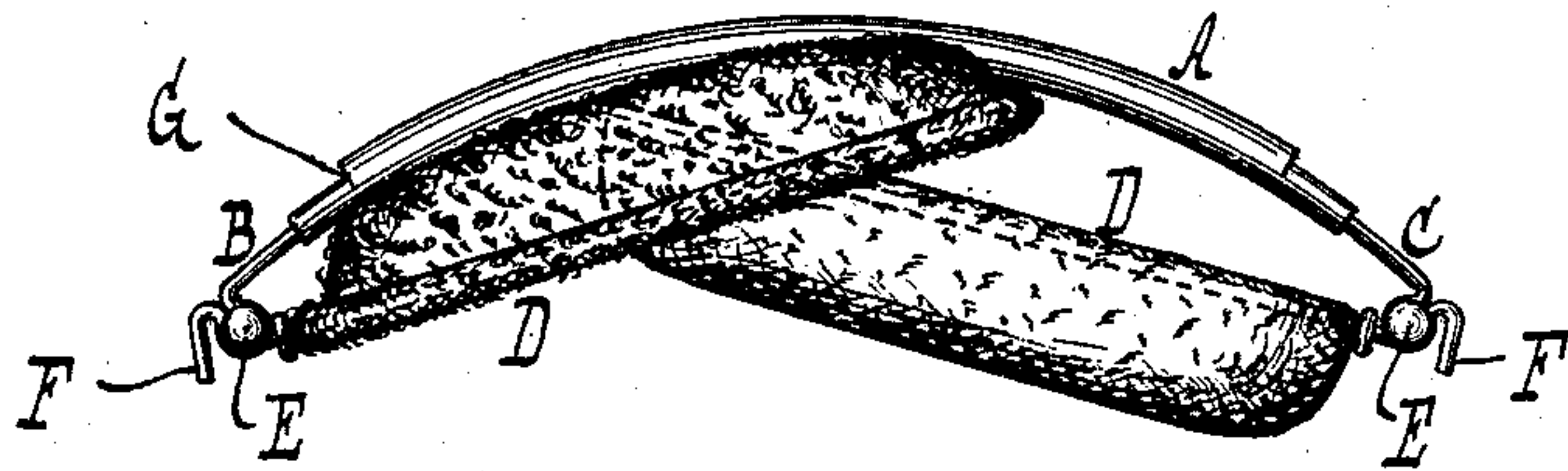


Fig. 2.

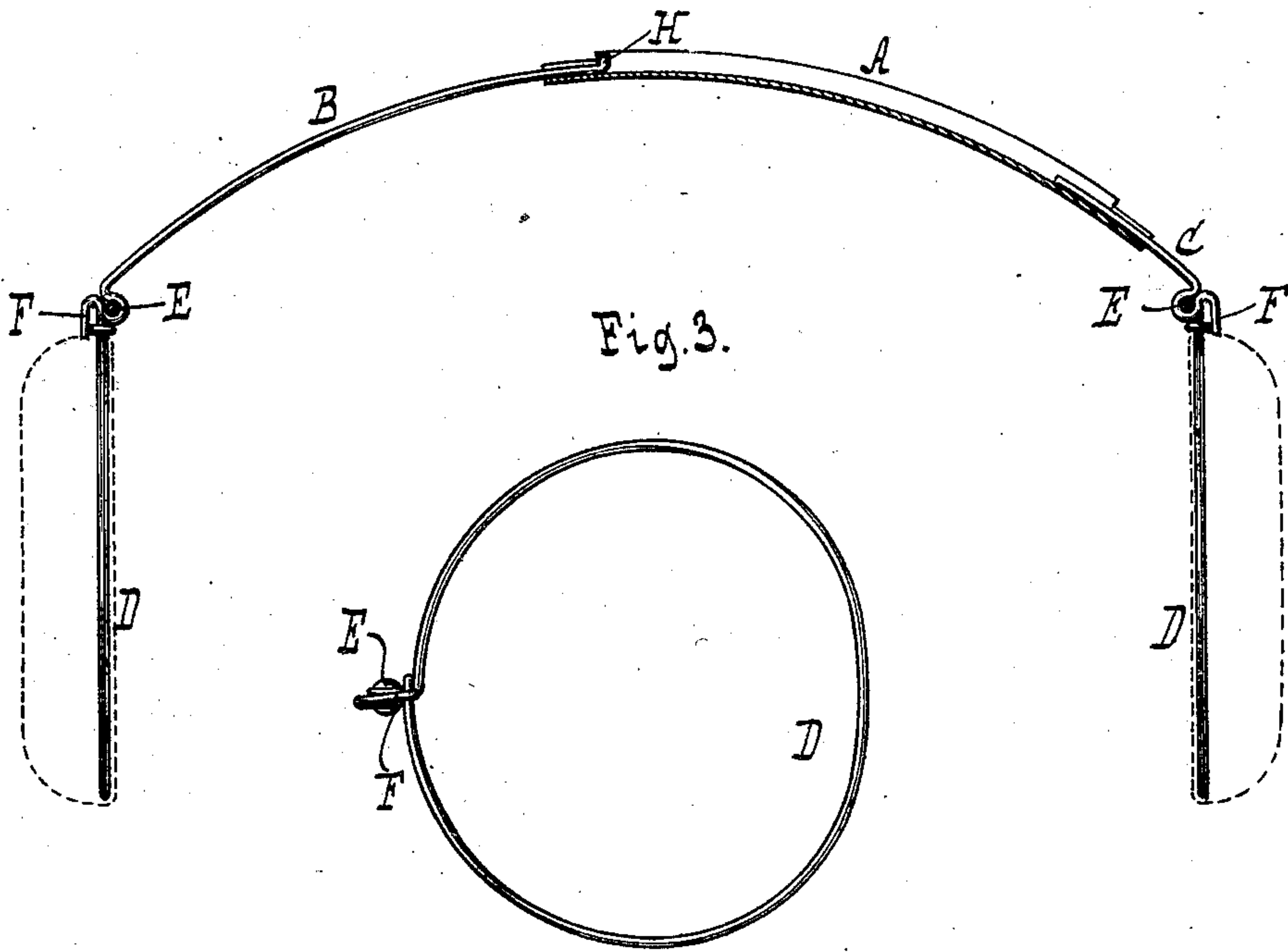


Fig. 3.

Fig. 4.



Fig. 5.

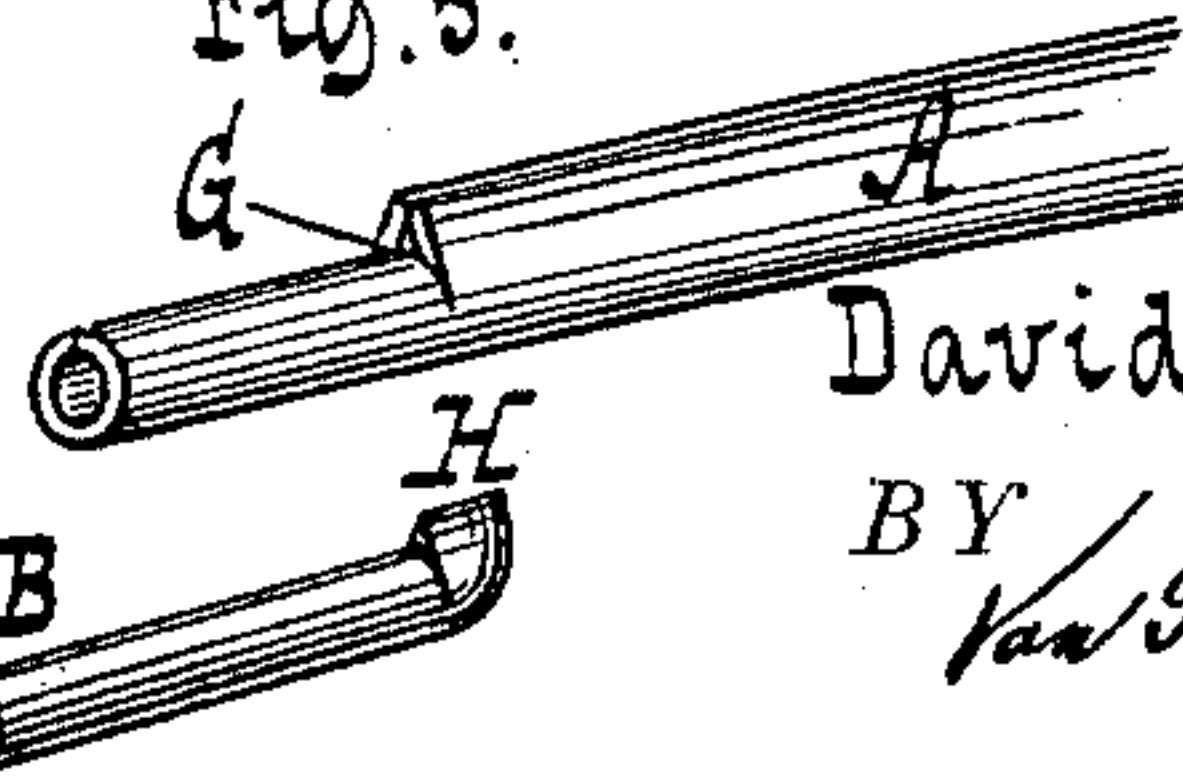


Fig. 6.



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# UNITED STATES PATENT OFFICE.

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SAME PLACE.

## EAR-MUFF.

SPECIFICATION forming part of Letters Patent No. 360,985, dated April 12, 1887.

Application filed July 29, 1886. Serial No. 209,417. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID BASCH, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Ear Covers or Muffs, of which the following is a specification.

This invention relates to ear covers or muffs, and has for its object to provide a novel construction and arrangement of parts, whereby pivoted folding ear covers or muffs are so connected with an extensible support that the swinging of the said covers or muffs into position for application to the ears of the wearer will extend the support sufficiently to accommodate the device to heads of varying size in width or breadth.

To such end the invention consists, mainly, in the combination, with a support comprising a holder and a slide movable one upon the other, and each having its outer extremity bent laterally to form a stop, of two ear covers or muffs hinged, respectively to the outer ends of the holder and slide by pivots located at right angles to the length of such holder and slide, and to the direction in which they move to extend the support longitudinally in such manner that the swinging of the covers or muffs into their open or unfolded position for use will move the holder and the slide one upon the other, and in the peculiar form of connection between the parts, hereinafter more fully described.

The invention is illustrated by the accompanying drawings, in which—

Figure 1 shows a plan view of a device containing my invention, the device being folded together so as to be readily carried in the pocket. Fig. 2 is a plan view, partly in section, showing the device in position to be applied to the ears of a wearer. Fig. 3 is a side view of a pouch-carrier or loop composing one of the ear covers or muffs. Fig. 4 is an end view of a holder. Fig. 5 is a perspective view of an end of a holder. Fig. 6 shows the stop of a slide for limiting the motion of the slide.

Similar letters indicate corresponding parts.

A is a holder, which I prefer to make in the form of a tube, so as to inclose the slide B.

The holder A and slide B can be made of metal or other suitable material. By making the holder in the form of a tube the motion of the slide B in the holder is not liable to catch or pull the hair of the wearer.

To the slide B is hinged a pouch-carrier or loop, D, of wire or other suitable material, to which is attached a pouch or pad of cloth, fur, or other suitable material, which constitutes one of the covers or muffs for protecting the ears of the wearer. The loop D is hinged to the slide B at right angles to the length thereof in such a manner that the general direction of oscillation of the loop D about its hinge or pivot E corresponds to the motion of the slide when passing out of or into the holder A. The loop D can thus be readily folded or swung into its closed position shown in Fig. 1, or into its open position shown in Fig. 2. A stop, F, limits the outward oscillation of the loop D, and holds said loop D with its pouch in position to sit snugly upon an ear of the wearer. The hinge or pivot E can be formed by an ordinary rivet passing through suitable eyelets or openings in the slide B and loop D.

The slide B is prevented from passing entirely out of the holder A by a shoulder, H, on the slide B, Fig. 6, which shoulder H is adapted to engage a shoulder, G, formed on the holder A, by reducing the size of the tube at that point.

Instead of having a slide for each loop D, I prefer to attach one of the loop D to a fixed arm, C, thereby simplifying the construction of the device. The arm C has hinged to it a loop, D, by a hinge or pivot, E, in the manner just described in connection with the loop hinged to the slide B, and a stop, F, is also provided for the loop D on the arm C. The arm C can be fixed in the holder A in any suitable manner—as, for example, by clamping or soldering. The stops F are, as here shown, formed by laterally bending the outer ends of the tubular holder A and slide B.

When in the position shown in Fig. 2, the device is ready to be applied to the head of a wearer, the holder A and slide B passing around the back of the head or the neck, and the loops D with their pouches resting about the ears. The movability of the slide B in the holder A allows the device to be adjusted as



may be required by the wearer. The device is simple in construction, and can be made durable and compact, so as to be easily folded together and carried in the pocket when not being worn. By having the loops D so hinged as to swing in the general direction of movement of the slide B the action of grasping the loops D to pull out the slide B from the holder A will swing the loops D at once into contact with the stops F, while the opposite movement to press the slide B into the holder A will fold the loops D into the position shown in Fig. 1. If desired, the holder A may be covered with cotton cloth or other material.

Heretofore an ear-muffler has been composed of a head-piece comprising two curved wires adjustable lengthwise one upon the other, and ear-muffler frames pivoted on the outer ends of the wires to turn in a direction transverse to the length of the wires. Such I disclaim, as my invention differs therefrom in that the muff-carrying loops are hinged to the tubular holder and slide by pivot-pins located at right angles to the length of the said holder and slide, and to the direction in which the holder and slide move to extend and contract the length of the support, so that by the unfolding swinging movement of the muff-carrying loops the tubular holder and slide are moved lengthwise to extend the support, and conversely.

What I claim as new, and desire to secure by Letters Patent, is—

1. An extensible bow for ear-muffs, having a slide and a holder for the same, in combination with pivoted muff-carrying loops, one loop being pivoted to the slide and the other connected with the holder, and both pivoted vertically and at right angles to the length of said holder and substantially parallel with the plane of the loops, whereby the loops may be unfolded

and the bow extended simultaneously, substantially as described.

2. The combination of the tubular holder A and slide B, movable longitudinally one upon the other, and each having its outer extremity bent laterally to form a stop, F, with the muff-carrying loops D D, hinged, respectively, to the holder and slide by pintles E E, located behind said stops at right angles to the length of said holder and slide and the direction in which they move one upon the other, whereby the unfolding swinging movements of the loops will longitudinally move the holder and slide, substantially as described.

3. In an ear-muff having a holder, A, a slide, B, moving therein, an ear-loop, a pintle connecting the slide and loop, said slide having one end provided with a loop forming a support for the pintle of the ear-loop and adapted to serve therewith, and a stop to limit the movement of the same, and its other end adapted to move in the holder, substantially as described.

4. The combination, with the slide B, having an angularly-projecting end, of the holder A, consisting of a tube having the lower part of its bore substantially round, and tapering thence to the top of the bore to allow of the slide moving therein without turning, and provided with a reduced portion at the end to prevent the slide being entirely withdrawn, substantially as described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

DAVID BASCH. [L. S.]

Witnesses:

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E. F. KASTENHUBER.