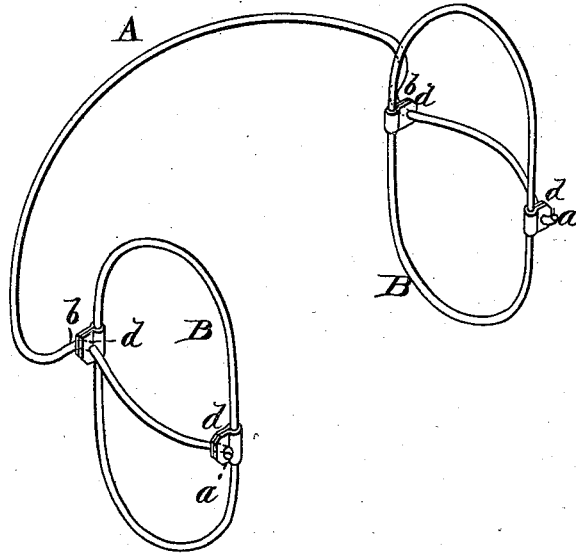


W. ABBOTT.  
EAR MUFFLERS.

No. 183,359.

Patented Oct. 17, 1876.



WITNESSES

*Henry N. Miller*  
*Francis L. Curand*

INVENTOR

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ATTORNEYS

# UNITED STATES PATENT OFFICE.

WILLIAM ABBOTT, OF ESPY, PENNSYLVANIA, ASSIGNOR OF ONE-HALF HIS  
RIGHT TO GEORGE W. McEWEN, OF SAME PLACE.

## IMPROVEMENT IN EAR-MUFFLERS.

Specification forming part of Letters Patent No. **183,359**, dated October 17, 1876; application filed  
August 18, 1876.

*To all whom it may concern:*

Be it known that I, WILLIAM ABBOTT, of Espy, in the county of Columbia, and in the State of Pennsylvania, have invented certain new and useful Improvements in Ear-Mufflers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to that class of ear-mufflers in which the pad-frames are hinged or swiveled to the head-piece; and it consists in forming each end of the head-piece with two bends at suitable distances apart to form bearings, upon which the pad-frame will turn by means of perforated plates or ears attached to the pad-frame, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a perspective view of my ear-muffler.

A represents the head-piece, made simply of a piece of spring-wire, bent in suitable form to fit the head. Each end of the head-piece A is bent to form a bend, *a*, at the end, and

another bend, *b*, at suitable distance inward from the same. B B represent the pad-frames, each made of a single piece of wire, in substantially the form shown. On opposite sides of each frame B are fastened perforated plates or ears *d d*, through which the ends of the head-piece are passed, so that said plates or ears will rest in the bends *a b*, which thus form bearings for the pad-frames, and upon which they turn, so that the muffler-pads can adjust themselves in proper positions.

I do not broadly claim an ear-muffler having the frames for the ear-pads hinged to the head-piece which connects them under this specification.

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

In an ear-muffler, the combination of the head-piece A, having the bends *a b* at each end, and the pad-frames B B, provided with the perforated plates or ears *d d*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of August, 1876.

WILLIAM ABBOTT.

Witnesses:

C. M. ALEXANDER,  
WILLIAM L. BRAMHALL.