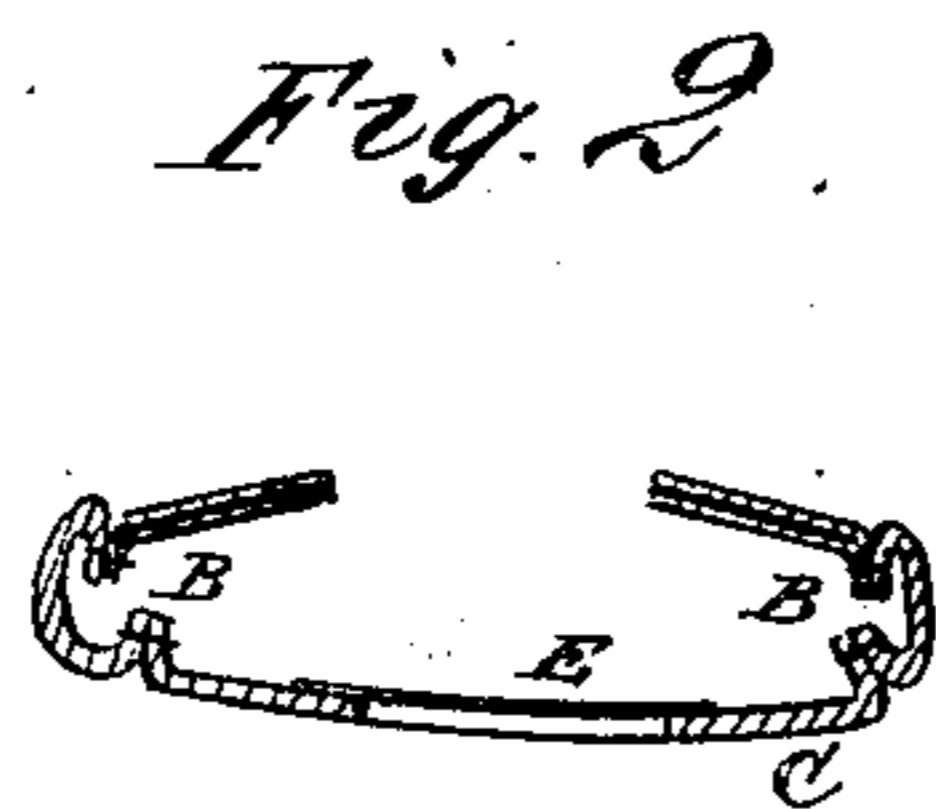
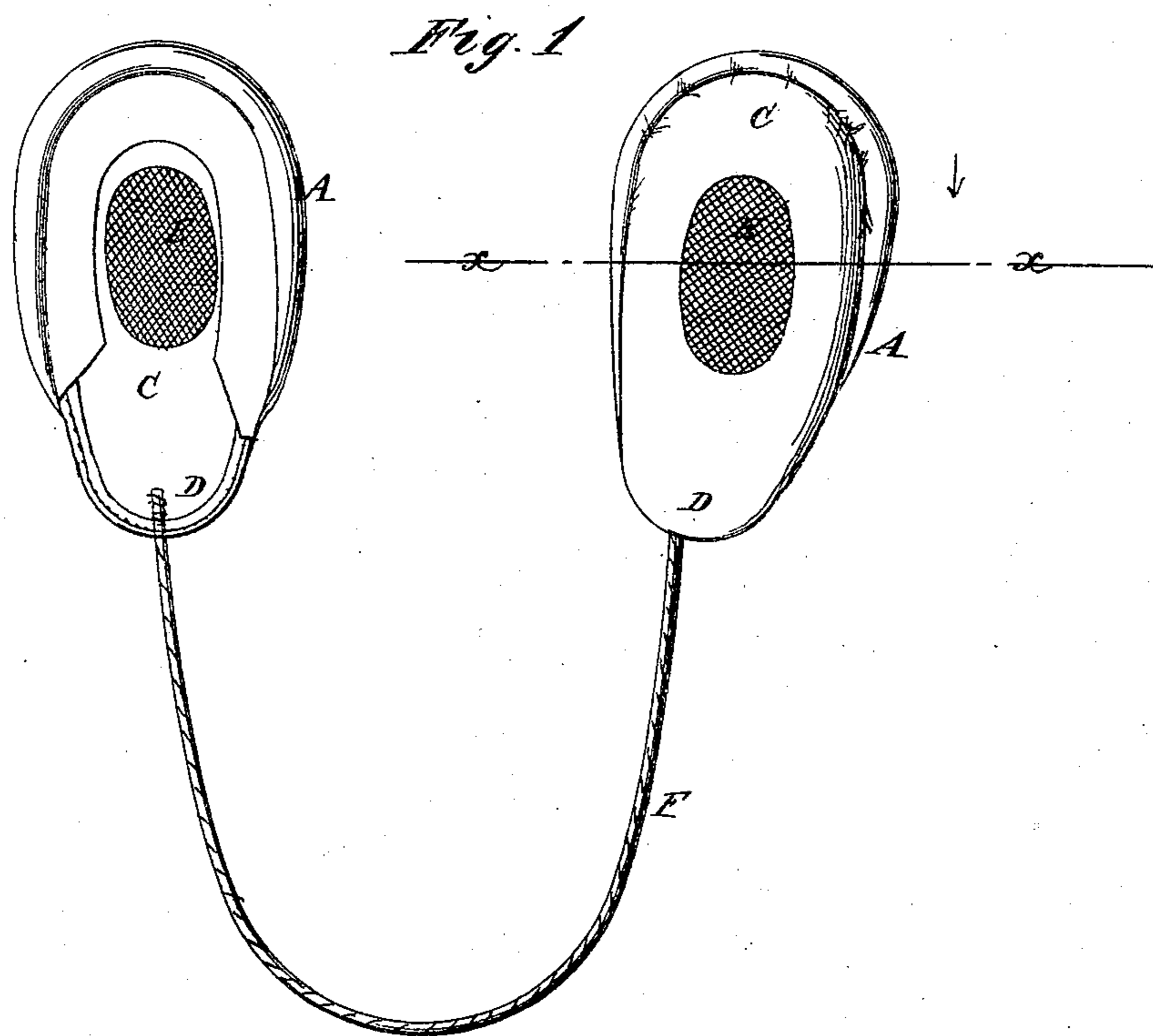


M. ISIDOR.
Ear-Protectors.

No. 138,894.

Patented May 13, 1873.



Witnesses:
A. W. Almqvist
A. Edquist

Inventor:
M. Isidor
Per *[Signature]*
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UNITED STATES PATENT OFFICE.

MORITZ ISIDOR, OF NEW YORK, N. Y.

IMPROVEMENT IN EAR-PROTECTORS.

Specification forming part of Letters Patent No. **138,894**, dated May 13, 1873; application filed April 5, 1873.

To all whom it may concern:

Be it known that I, MORITZ ISIDOR, of the city, county, and State of New York, have invented a new and useful Improvement in Ear-Protectors, of which the following is a specification:

The object of this invention is to provide suitable and convenient means for protecting the ears from frost and cold; and it consists in shields or coverings for the ears, connected together by an elastic cord, and with the central fronts or outsides formed partly of cloth and partly of gauze, so that the shield will not interfere with the transmission of sound, the construction being as hereinafter more fully set forth and described.

In the accompanying drawing, Figure 1 represents the protectors or shields, the right-hand one showing the outside and the left-hand one the inside thereof. Fig. 2 is a cross-section taken on the line *xx* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is the shield or protector, formed of one or more thicknesses of velvet or other suitable material, in pieces, sewed together, as seen in Fig. 2, so as to form a casing or cavity, B, for the rim of the ear. C is the outside or front of the protector, the lower portion D of which extends down so as to cover the lobe of the ear, in the center of which is inserted the gauze

E. This gauze is directly opposite the cavity of the ear, and enables unobstructed sound to reach the ear.

The protector is drawn on from the top of the ear, and is held in position by the rim of the ear without the use of a spring or springs; but the elastic cord F (which goes under the chin) naturally draws the protectors down and keeps them in place.

I am aware that ear muffs or protectors have been made before; but such muffs have not been held in position in the manner described; nor have the fronts of such muffs been formed partly of cloth and partly of gauze in the manner described. I distinctly disclaim all other modes of forming the fronts and of holding the protectors in place on the ears.

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

1. As a new article of manufacture, an ear-protector having its front side made partly of cloth and partly of gauze, as shown and described.

2. The elastic cord F, in combination with the ear-cover, constructed as described.

MORITZ ISIDOR.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.