

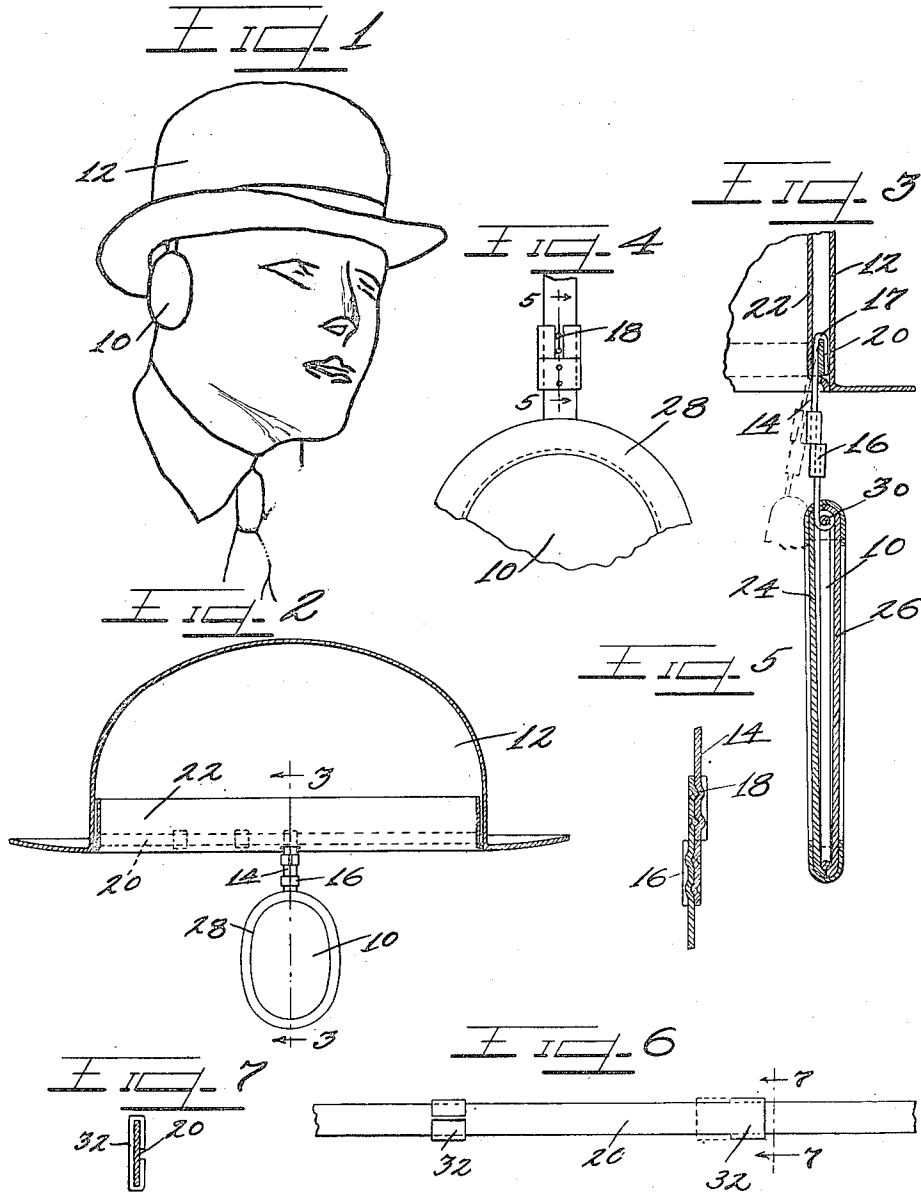
J. M. DELSON.

EAR MUFF.

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WITNESSES

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# UNITED STATES PATENT OFFICE.

JOHN M. DELSON, OF CHICAGO, ILLINOIS.

## EAR MUFF.

Application filed November 22, 1920. Serial No. 425,640.

### *To all whom it may concern:*

Be it known that I, JOHN M. DELSON, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in an Ear Muff; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form a part of this specification.

This invention relates to improvements in ear muffs and has for one of its objects the provision of an improved device of this character which is attached to the hat of the wearer and can be removed when the hat is removed.

Another object of this invention is the provision of an ear muff which is always automatically held in position over the ears of the wearer thereof.

A still further object of this invention is the provision of an ear muff which is capable of being attached to a hat and which is adjustable so that it will be readily adapted to any size of hat and to any shape of head of the wearer thereof.

Another important object of this invention is the provision of an ear muff which can be applied to any hat in a very short space of time and which can be as readily removed therefrom.

Other and further important objects of this invention will be apparent from the disclosures in the drawings and specification.

The invention (in a preferred form) is illustrated in the drawings and hereinafter more fully described.

On the drawings:

Figure 1 is a perspective view of the head of a person wearing a hat with the improved ear muffs attached thereto.

Figure 2 is a sectional view of a hat showing the ear muff of this invention attached to one side thereof.

Figure 3 is an enlarged sectional view taken on the line 3—3 of Figure 2, with the position of the ear muff, when the hat is removed, shown in dotted lines.

Figure 4 is an enlarged detail view showing the adjustable connection between the ear muffs and the hat.

Figure 5 is a section taken on the line 5—5 of Figure 4.

Figure 6 is a detail view showing the method of adjustably connecting the ends of the band which fits inside the hat and to which the ear muff is attached.

Figure 7 is a section taken on the line 7—7 of Figure 6.

As shown on the drawings:

The reference numeral 10 indicates an ear muff attached to a hat 12 by means of an adjustable strip 14, preferably of steel or some similar metal, which is made in two parts, each part ending in a series of indentations or corrugations which correspond to each other and which are adapted to be held together in relative adjusted position by means of integral clamps or loops 16, as shown, forming a connection which is comparatively rigid but capable of adjustment and which also admits of some bending as this strip 14 is made of a resilient material which admits of its being bent to some considerable degree without distortion thereof.

The upper end of the steel strip 14 terminates in a loop 17 which overhangs and is attached to a circular adjustable band 20 preferably made of steel or some similar elastic metal. The loop 17, by means of which the strip 14 is attached to the band 20, is open at its inner end to permit of its ready removal from same and is also adapted to be slid therealong thereby permitting of an adjustment of the strap 14 and its attached ear muff 10 into any position desired.

The strip or band 20 is inserted between the band 22 of the hat 12 and the outside of the hat proper and is allowed to drop into the lowest possible position therebetween as is best shown in Fig. 3. A small opening is then made in the band of the hat 22 for the insertion of the attaching strip 14 and the loop 17 by means of which the ear muff is slidably secured to the band 20 inside the hat. The ear muff 10 may be of any suitable construction according to the option of the wearer, but in the preferred form it consists merely of an inner lining 24 of chamois skin or the like and an outer covering 26 which may be of plush or velvet or some other suitable material, the two being joined together by means of stitches and a tape, as shown at 28 in Figure 4. The ear muff

usually is constructed with a circular loop of wire or some other material for holding it in shape, such as is shown at 30, and this loop of wire may be either hinged or rigidly fixed to the strap 14. In the preferred construction the ear muff is rigidly attached to the strap 14 so that when the device has been attached to a hat and the hat put upon the head of the wearer, the ear muff is held closely against the ears of the wearer and keeps the ears warm by covering them and also by pressing them into contact with the head and in addition also acts as a securing means in order to prevent the hat from blowing off.

The adjustability of the band 20 is accomplished by having each end thereof provided with an attaching device 32, as shown in Figures 6 and 7, this attaching device being fixed to the end of the strip and preferably having a loop therein which provides an opening into which the other end of the strip is adapted to slide. After the band 20 has been positioned and measured to fit the head of the particular wearer, these attaching devices 32 may be clamped down so as to securely hold the band in its adjusted position to conform to the head of the wearer at all times.

It will be seen that herein is provided a device which will effectively protect the ears of the wearer from cold and which can be easily applied, in fact can be put on at the same time as the hat and with no additional trouble. In the preferred form the ear muffs simply cover the ears of the wearer and press the same close to the head and thereby protect them from cold and wind. It will also be seen that this device will be

effective in maintaining the hat of the wearer securely in position when properly applied.

Further, it will be seen that these improved ear muffs can be readily removed from the hat and conveniently carried in the vest pocket of the wearer without the trouble and inconvenience resulting from the use of the usual bulky and troublesome spring band which fits over the head of the wearer of such devices as were hitherto in use. The band 20 can be retained in the hat at all times, being relatively thin and absolutely invisible, and, which, moreover, also acts as a means for retaining the hat in shape.

I am aware that numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted otherwise than necessitated by the prior art.

I claim as my invention:

Attaching means for an ear muff comprising a circular band, a hook member slidably sustained by said band and having corrugations at its lower end, an ear muff supporting member having corrugations corresponding to the first mentioned corrugations, and a slidable band embracing said members for adjustably binding the corrugated portions thereof together.

In testimony whereof I have hereunto subscribed my name in the presence of two subscribing witnesses.

JOHN M. DELSON.

Witnesses:

CARLTON HILL,  
EARL M. HARDINE.