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C. LAUPPE

2,096,376

BATTERY CARRYING CASE

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Fig. 1.

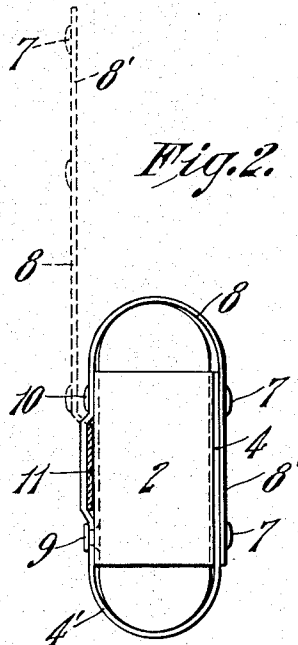
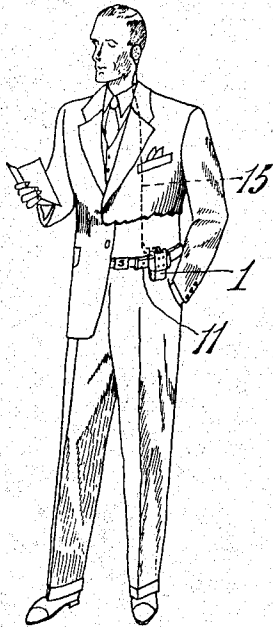


Fig. 3.

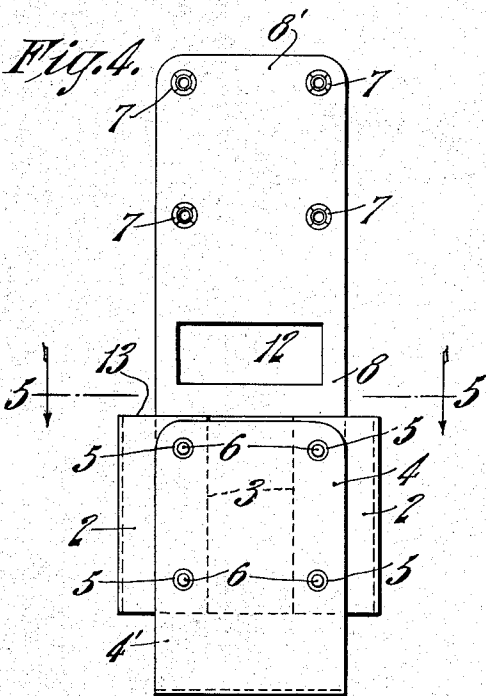
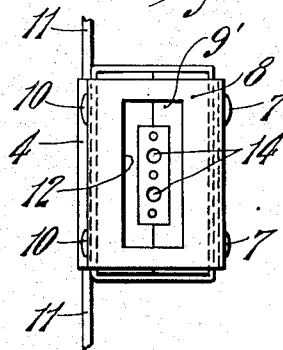
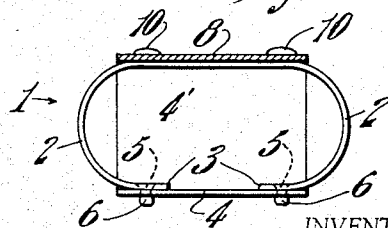


Fig. 5.



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BATTERY CARRYING CASE

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4 Claims. (Cl. 224-5)

This invention relates to improvements in battery carrying cases.

An object of the invention is to provide a case construction for receiving a battery that is employed to furnish electric current to the ear, or head phones, of a person who is hard of hearing.

At the present time, there is not, in use, any convenient way, so far as I am aware, of carrying these batteries, or conveniently supporting them on the person, when in use. Ladies, who are hard of hearing, often carry the battery in a hand bag with the result that the batteries are not kept in one position, and are often broken, or lost. My invention is designed to remove these objections.

One of the objects of my present invention is to provide suitable means for readily attaching the battery-carrying case to the belt of a person. This is particularly desirable in order that it may be adjusted in different positions on the belt, without interfering with the movements of the person, especially when driving a car, or exercising of any kind.

Another object, in adjusting the battery-carrying case on the belt, is so that it will not be visible to an outsider. It is also designed for other purposes, as for conveniently carrying a camera, or a pair of field glasses.

The invention, broadly considered, comprises two members of suitable material, as strong leather, which are permanently secured together and at right angles to each other. One of the members, which is located in a vertical plane, is formed with a flap portion that is detachably secured to the other, or horizontal member and its opposite end is permanently secured to the horizontal member. This flap portion is formed with an opening through which the terminals of a battery are accessible, and the circuit wires will pass for making a terminal connection with the battery, when in use. The horizontal member is open at its top and bottom portion, and permanently secured to the first-mentioned, or vertical member, as stated.

The construction will be clearly understood from the figures and detailed description with reference to the construction details of the carrying case.

Fig. 1 shows the battery-carrying case supported on the belt of a wearer.

Fig. 2 is an end elevational view of the carrying case, showing, in full lines, the closure flap closed and open in dotted lines and the belt in section.

Fig. 3 is a top plan view, showing the opening and the vertical flap member, illustrating the

battery and its terminals and the belt on which the case is supported.

Fig. 4 is a front elevational view, with the flap member shown wide open, and

Fig. 5 is a sectional plan view on the line 5-5 of Fig. 4 the section being taken through the flap member.

Referring now to the drawing in detail:—

1 designates the horizontally disposed member having its upper and lower ends open. It is formed with the oppositely located curved end portions 2 and the spaced inwardly extending ends 3, as shown in Figs. 4 and 5. Permanently secured to the outer surfaces of the end portions 3 of the member 1, at one of its ends, is the vertical member 4, by means of the rivets 5, which have the outwardly extending spherical ends 6, which may be termed "snap fastener" ends for receiving the hollow co-operating fasteners 7, shown in Fig. 4, on the upper and inner surface of the flap portion 8' of the vertical member 4. This flap portion 8 is further secured to the member 1 by the lower pair of rivets 9 (see Fig. 2), and, located above these lower rivets are the snap fasteners 10 in the flap portion 8. The snap fasteners 10 are for the purpose of detaching the flap 8 from the horizontal member 1, as shown in Fig. 2, for the purpose of inserting the belt 11 of the wearer, when the fasteners 10 are again closed. The free end 8' of the flap 8 is then carried over into the full line position, as shown in Fig. 2 and the snap fasteners 7 are brought into engagement with the spherical portions 6, as shown in full lines in Figs. 2 and 3. The carrying case is then supported on the belt of the wearer and may be moved along on the belt into any convenient position. The flap 8 is formed with an opening 12 that is located directly over the upper end 13 of the horizontal member 4, so that the battery terminals 14 are exposed in this opening and the circuit terminals, indicated in Fig. 1, by the dotted line 15, may be inserted or removed, when the head phones are to be used, or are not to be used.

It will be seen that this structure comprises only two (2) pieces of leather, or other suitable material, which are arranged at right angles to each other. The member 1 is located in a horizontal plane, open at its top and bottom and the member 4 is located in a vertical plane, having the bottom bend 4', which supports, or receives, the battery 9', and this member is detachably secured to the horizontal member by the snap fasteners 10 for attaching the carrying case to the belt and for closing the upper end of the member 1

with the snap fasteners 7, engaging the spherical head portion 6.

One of the advantages of this construction is that it may be moved forward or backward on the supporting belt 11 for concealing the same from view, under the coat of the wearer; also, for positioning it on the belt, so as not to interfere with the driver, when operating an automobile. When a battery is to be inserted, the snap fasteners 7 are unfastened to bring the flap 8' into the open position. After the battery is inserted, these fasteners are again closed and the battery 9 will then rest upon the bend 4' of the vertical member 4. The terminals of the conducting wire 15 are then passed through the opening 12 and connected to the battery terminals 14, ready for use.

What I claim is:—

1. In a battery carrying case, or the like, a member that is open at its upper and lower ends, a part having one end permanently secured at the front side of the open ended member and extending downwardly below the lower open end of said member, then extending upwardly and being permanently secured to the rear side of the open ended member and near its lower edge, detachable securing means near the upper edge of the open ended member for connecting and disconnecting the said part for attaching and detaching the carrying case to the belt of a person, and the other end of said part extending over the upper end of the open ended member for covering and retaining a battery in the open ended member, and means for detachably connecting and disconnecting the cover end of the part to the front side of the open ended member.

2. A carrying case for the purpose described comprising, a substantially vertical tubular member open at both of its ends, a strap member secured to the tubular member at one side and looped below the open lower end of the tubular

member to provide a support for an article in the tubular member, the strap member then extending upwardly and secured to the tubular member, means for detachably connecting a portion of said strap member on said tubular member for slidably attaching the carrying case to the belt of a person, and separate means for detachably securing another portion of the strap member to the tubular member for covering the upper end of the tubular member when in use, as described.

3. A carrying case for the purpose described comprising an unitary open ended upright member, a cover member secured on said open ended member and extending across the bottom of said open ended member, means for detachably securing a portion of said cover member on the rear wall of said open ended member, whereby said open ended member may be removably secured on a belt without unfastening the belt, and means for detachably securing a portion of said cover member on the front wall of said open ended member with said last-named portion extending across the top of said open ended member, whereby a battery may be inserted in and removed from said open ended member.

4. A carrying case for the purpose described, comprising two strap members of equal width, one of said members being formed in the shape of an elliptical open ended upright tube, the second member having an end secured on the front wall of said tube and a portion extending across the bottom of said tube and spaced therefrom, said second member being also secured on the back wall of said tube adjacent the bottom edge of said tube, means for detachably securing a portion of said second member on the front and back walls of said tube adjacent the upper edge of said tube.

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