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EAR PLUG FOR BATHERS

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Fig. 1.

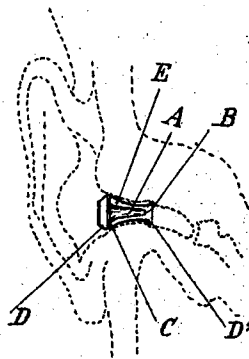
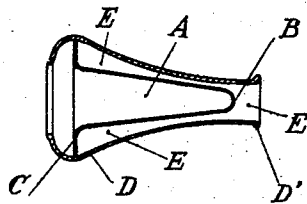


Fig. 2.

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EAR PLUG FOR BATHERS.

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The object of the invention consists of an ear plug for bathers intended to prevent the entry and penetration of water into the ears and to prevent, in this manner, the many illnesses due to these penetrations amongst which may be cited "otitis" which is so frequent with swimmers and to permit in spite of this the distinct hearing of sounds.

This auxiliary plug is disposed easily in the ear passage and can be removed likewise readily; it occasions no discomfort nor fatigue and by reason of its small dimensions, readily escapes notice.

In the accompanying drawings which show by way of example, the invention: Fig. 1 shows to a larger scale and in longitudinal section the complete ear plug, Fig. 2 shows in actual size the ear plug having its casing cut longitudinally to permit of being clearly seen and placed in the ear which is represented by dotted lines.

The ear plug consists of a trumpet A of cylindro-conical form of rustless metal or of any other material, closed at B, and having towards its opening a small collar C on which bears a casing D of rubber which entirely covers the trumpet A. This casing

is likewise of cylindro-conical shape; it is open at both ends, the smaller of which is slightly flanged at D'.

The spaces E produced between the metallic trumpet A and the casing D provide resonating chambers whose vibrations transmit the sounds to the ear nerve.

The assembly of the trumpet A and the casing D constitutes the ear plug which, fitted in the ear of the bather in accordance with the position shown at Fig. 2, prevents the entry of water while at the same time permitting the hearing of external noises.

I claim:—

Ear plug for bathers comprising a trumpet member closed at one end, a small collar formed at the other end of said trumpet, a cylindro-conical casing of resilient runner surrounding said trumpet member, said casing being open at both ends, the smaller end being provided with a small flange, the spaces formed between the trumpet member and the outer casing serving as resonance chambers whose vibrations convey the external sounds to the ear nerve.

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