May 26, 1953 T. T. MacLEAN 2,639,428

HELMET

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Fig. 1.

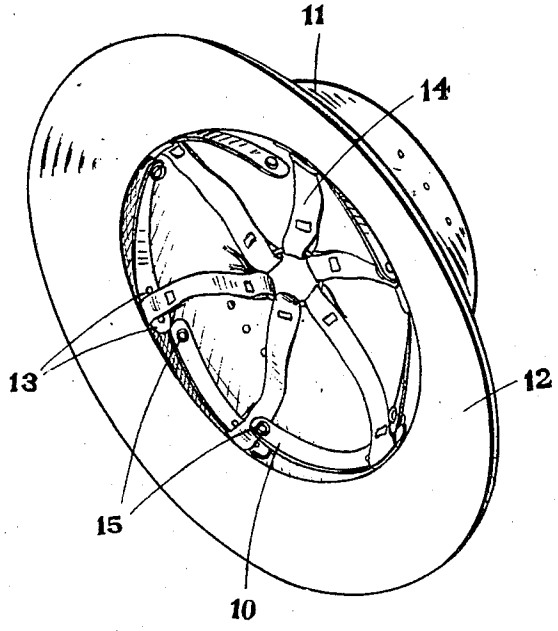

Fig. 2.

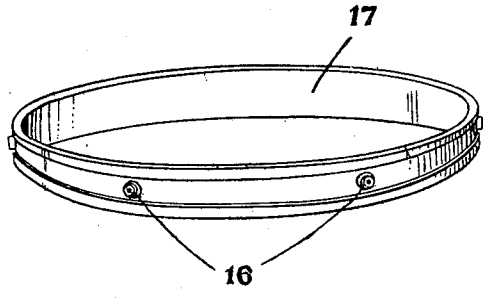

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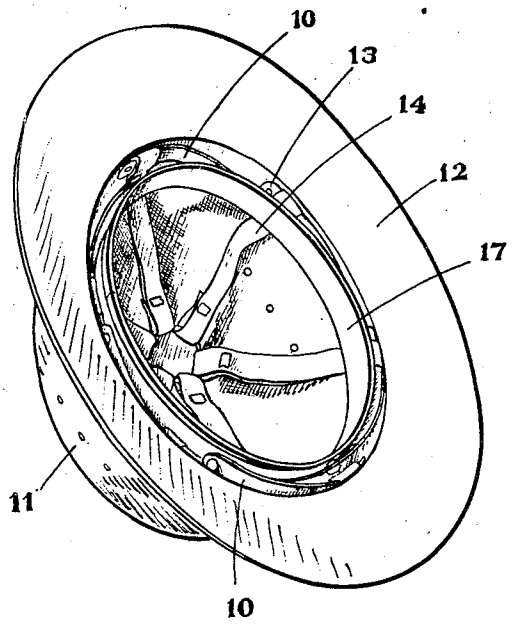
Fig. 3.



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Patented May 26, 1953 2,639,428

UNITED STATES PATENT OFFICE

2,639,428

HELMET

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Application November 29, 1950, Serial No. 198,073
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2 Claims. (Cl. 2—3)

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This invention relates to helmets and more particularly to headbands for use in such helmets.

The headband of a helmet is normally fixedly secured to the inside of the helmet so that in order to allow for different sizes of head it is necessary to maintain a stock of the helmets of different sizes.

The principal object of the present invention is to provide a form of helmet into which a headband of appropriate size may be detachably secured so that it is only necessary to stock a standard helmet and a range of headbands.

According to the invention, a helmet comprises an outer shell and automatically adjustable means for supporting headbands of different sizes.

The means for supporting the headband advantageously consist of a plurality of strips of a resilient material that are secured to the outer shell at one end and at their other end are provided with means for detachably connecting them to the outer face of the headband. Suitable connecting means consist of press-stud fasteners, one part of the fasteners being secured to the end of the strips and the other part to the outer face of the headband. With he largest size of headband, the strips will lie close between the headband and the outer shell, while as the size of the headband decreases, the strips will move increasingly inward of the shell at their outer ends when connected to the headband.

The supporting strips or other supporting means need not be connected directly to the outer shell but to the inner frame which is often provided in such helmets, particularly where the helmet does not conform in shape to the contour of the head.

One embodiment of the invention will now be described by way of example with reference to the accompanying drawings, in which:

Figure 1 is a perspective view showing the inside of the helmet with the headband removed,

Figure 2 shows the headband, and

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Figure 3 is a perspective view showing the inside of the helmet with the headband in position.

Six resilient strips 10 are mounted inside the crown 11 of the helmet adjacent the rim 12. The strips 10 are secured at one end to the crown by means of rivets 13 and the ends of the strips carry fabric strips 14 which are connected at their other ends to form an inner frame within the crown. At their free ends, the strips 10 carry the socket portions 15 of press stud fasteners, the stud portions 16 of the fasteners being secured to the outer face of the headband 17.

The headband is mounted in position by engaging the press stud fasteners, the resilient strips 10 automatically adjusting themselves to the size of the headband.

I claim:

1. A helmet comprising an outer shell, a plurality of elongated resilient strips located within the shell, each of said strips having an end secured to the shell and a free end, and extending circumferentially and uni-directionally around the shell, and said strips together covering approximately the whole of the circumference of the shell, a head-band located within the shell, and means for detachably connecting the free ends of said strips to the head-band.

2. A helmet according to claim 1, wherein said connecting means consist of press-stud fasteners, one part of the fasteners being secured to the ends of the strips and the other part to the outer face of the headband.

THOMAS TRAILL MacLEAN.

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