March 25, 1952 H. LEV 2,590,190

VENTILATED CAP

Filed April 15, 1950

Fig. 2.

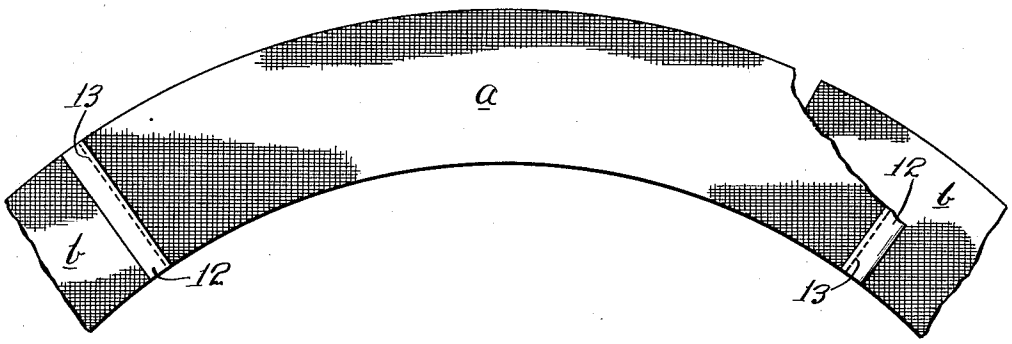


Fig. 3.

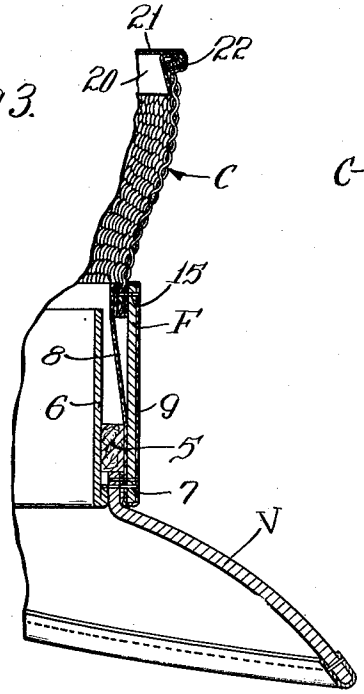


Fig. 1.

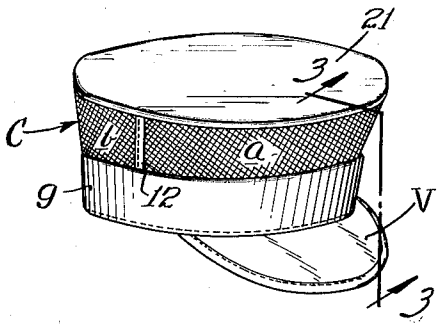
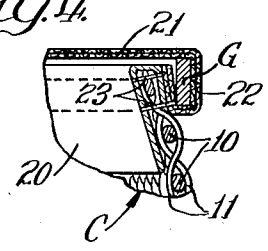


Fig. 4.



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VENTILATED CAP

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2 Claims. (Cl. 2—176)

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This invention relates to a cap having special provision for ventilation whereby it is particularly suitable for hot weather wear. The cap which is of the uniform type comprises the usual frame structure whereon is a surmounting crown of openwork all around to provide for the maximum of ventilation.

A uniform cap which attains these objectives according to the present invention has the merit of extreme lightness in weight. In addition, it can be fashioned to be attractive in appearance and sturdy in service, and all without incurring any undue extra expense.

A cap which embodies these several features of novelty and utility is illustrated in the accompanying drawing wherein—

Figure 1 is a perspective view of the cap in its entirety;

Fig. 2 is a fragmentary elevation of one of the reticulated crown pieces, showing its connection with adjacent ends of a second piece (or pieces);

Fig. 3 is a fragmentary vertical section, enlarged, taken on line 3—3 of Fig. 1; and

Fig. 4 is a fragmentary vertical section, still further enlarged, of the cap tip at the front, taken on line 3—3 of Fig. 1.

The present uniform cap makes use of a frame F to which is attached at the front a visor V. The frame may be conveniently produced from a band of fiber or the like, with its two ends joined so as to be endless for all intents and purposes. It is sufficiently flexible to shape itself to conform with a person's head when worn. A cushion pad 5 is fitted around inside the frame in its lower portion to space therefrom a sweat band 6 which lies inwardly thereof. As by a line of stitching 7 the sweat band, visor and frame are interconnected, and therewith a lining 8 and a facing ribbon 9 which is extended around the frame for concealment thereof.

With a cap having such a frame assembly is incorporated a reticulated self-sustaining crown structure C now to be described. This consists of a relatively rigid network structure of fibrous materials or the like, woven or otherwise combined, and elongated arcuately when extended flatwise as shown in Fig. 2. Preferably two (or more) sections *a* and *b* are used, each of arcuate form and connected end to end, the filler strands 10 of the structure being extended generally lengthwise of each section and the warp strands 11 being disposed transversely thereof, i. e. in a generally vertical direction in the completed cap.

In such a structure the sections *a* and *b* each have their two end portions overlapping the

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others at opposite sides (or elsewhere) of the cap, a binding 12 being applied to one such end to receive therethrough a vertical line of stitching 13 which traverses the end portion of the other section for interconnection therewith. The crown is thereby made endless for all practical purposes. When completed, the crown is shaped, as by blocking, to a desired contour and profile. The crown structure may also be subjected to a desired color treatment and weatherproofing finish so as to be conditioned for withstanding effectively weather conditions of a rigorous nature.

A reticulated cap crown of the kind described extends downwardly only so far as necessary for a slight overlap of the upper edge portion of the frame F to the inside thereof. Here it is secured to the frame as by a line of stitching 15 which extends circumferentially of the cap. This same stitching connection may be utilized to hold the lining 8 and also the facing ribbon 9 in place along the upper edge of the frame.

Over the cap crown C along its top edge is positioned a binding 20 and thereover is carried a lined flexible top 21 whose margin 22 is inturned to enclose a resilient distending grommet G of metal or the like. The top 21 extends across the crown C contiguous to the upper edge thereof and its periphery is connected to the upper edge portion of the crown so that a ventilated crown extends from the front edge of the flat top of the cap to the upper edge of the frame F. This grommet lies outwardly of the crown, with the margin 22 of the top at one side and the binding 20 of the crown at the other side thereof. It is thereby concealed and maintained in place, yet removable when the binding is forced upwardly from its position exteriorly of the crown. One or more lines of stitching 23 are employed to interconnect the binding and cap top which overlies the reticulated crown.

A cap having these various features of improvement is light, exceptionally well ventilated, inexpensive, and also good looking. The crown structure is self-sustaining in any of the various shapes wherein it may be blocked, and in the construction shown is secured to the frame below and to the top above in a wholly invisible way. The facing ribbon which surrounds the frame contributes to the invisibility of their connection and also to the attractive appearance of the cap.

I claim:

1. In a ventilated cap, the combination with an endless frame, of a self-sustaining reticulated crown extending endlessly above the frame with only its lower edge portion lapping the top edge

portion of the frame interiorly thereof, a flexible top for the cap extended across the crown contiguous to the upper edge thereof and provided with a narrow depending marginal portion lapping the top edge portion of the crown exteriorly thereof, a facing ribbon extended exteriorly around the frame and inwardly over the top edge thereof and in juxtaposition with the lower edge portion of the crown, and means interconnecting the ribbon, crown and frame at the region where the ribbon laps the lower edge portion of the crown.

2. In a ventilated cap, the combination with an endless frame, of a self-sustaining reticulated crown of predetermined shape surmounting the frame and comprising a plurality of arcuate sections connected end to end and each having its lower edge portion lapping the top edge portion of the frame and connected thereto, a flexible top for the cap extended across the crown contiguous to the upper edge thereof and provided with a narrow depending marginal portion lapping the top edge portion of the crown, a binding applied over the top edge portion of the crown and having inner and outer depending portions, the outer depending portion of the binding being located inwardly of the depending marginal portion of the top, and means interconnecting the upper edge portion of the crown, the narrow depending marginal portion of the top and both depending portions of the binding.

HARRY LEV.

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