P. A. FISCHER.

ADJUSTABLE CAP.

APPLICATION FILED NOV. 17, 1919.

1,337,397. **Patented Apr. 20, 1920.**

Fig. 1.

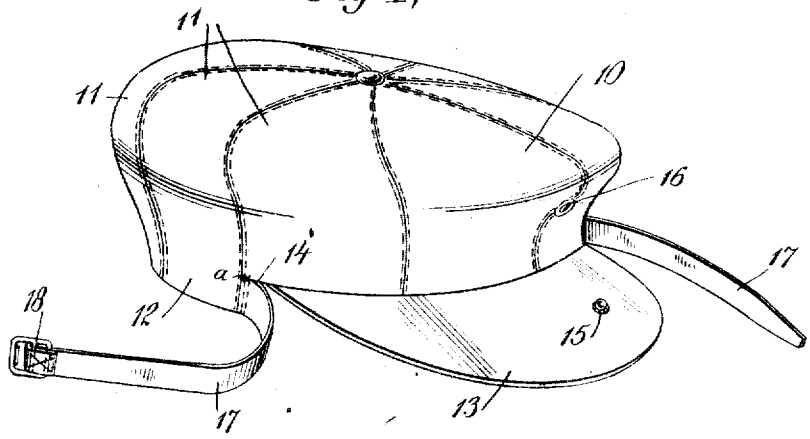


Fig. 2.

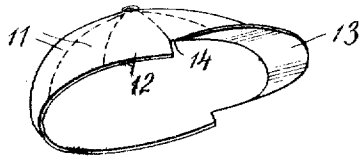


Fig. 3.

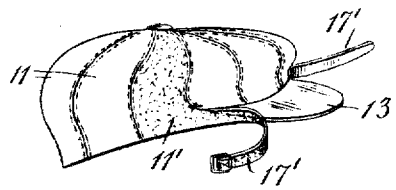


Fig. 4.

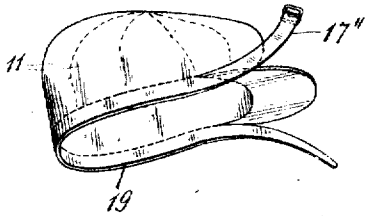
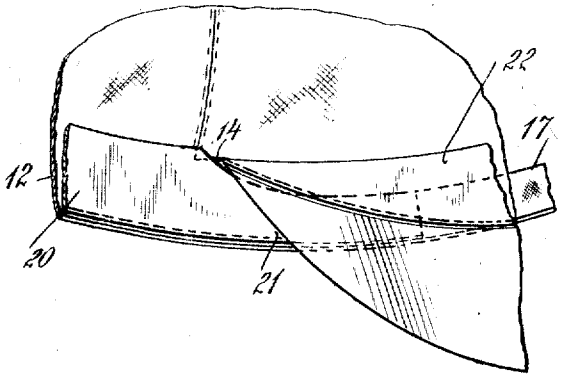


Fig. 5.



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By his Attorneys.

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE CAP.

1,337,397. Specification of Letters Patent. Patented Apr. 20, 1920.

Application filed November 17, 1919. Serial No. 338,739.

To all whom it may concern:

Be it known that I, PHILIP A. FISCHER, a citizen of the United States, residing at New York city, in the county of New York, State of New York, have invented certain new and useful Improvements in Adjustable Caps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to adjustable caps and hats made of cloth or similar material.

In order to avoid the necessity of carrying a large stock of caps of various sizes to meet the demands of the trade, it has heretofore been proposed to make the caps adjustable so that a single cap of any desired style and material may be adjusted to fit the head of the wearer. Dealers are thus enabled to meet the demands of the trade without the necessity of carrying a line of caps of each style and pattern in a sufficient number of sizes to fill all possible requirements. Furthermore, the provision of an adjustable cap permits the wearer of the cap to alter its size to compensate for shrinkage or stretching of the material of which the cap is composed. The above, as well as other advantages of adjustable caps, have led to the provision of various arrangements for securing adjustability, such as by making incisions in the material of the cap, or by leaving open for more or less distance some of the seams between the segments of the crown of the cap. In some cases these incisions or openings are arranged at the sides of the cap near the ends of the vizor, and in some other constructions they are at the back of the cap. Changes in the size of the cap are secured by means of straps by which the sides of the incisions or openings may be more or less drawn together. These prior constructions require that the material of the cap be cut, or that certain of the seams be left open, and in many cases, due to the depth of the incisions or openings, it is necessary to provide gussets or similar arrangements for closing the openings.

It is an object of this invention to simplify and otherwise improve the construction of adjustable caps while eliminating the necessity of slitting the material of the cap for leaving some of the seams open. The improvement does not interfere with the appearance of the cap, and when the latter is being worn, it cannot readily be distinguished from a cap of the usual construction.

In accordance with the invention, the edge of the rear portion of the cap lies below the front edge to which the vizor or peak is attached, thus forming an extension or depending portion of the crown. Associated with the extension are straps or similar devices which pass over the vizor and are adjustably connected to each other, so that the rim of the rear portion of the crown may be drawn toward the vizor as much as may be necessary to make the cap of the required size.

The particular nature of the invention, as well as other objects and advantages thereof, will appear more clearly from a description of certain preferred embodiments as shown in the accompanying drawing, in which—

Figure 1 shows in perspective a complete cap with the straps detached from each other.

Fig. 2 represents the crown and vizor of a cap with the straps omitted to show more clearly the relation between these parts.

Fig. 3 is a modification of the invention in which the straps are formed as extensions of some of the segments of the crown.

Fig. 4 is a modification of the invention, in which the extended portion of the crown consists of a band having its ends free to serve as the adjusting straps; and

Fig. 5 is an enlarged view of the interior of a cap at the point where adjustment takes place, showing particularly the arrangement of the sweat band used in connection with the improved construction.

Referring to the drawings, the crown 10 of the cap may be formed of a number of segments 11 of the required shape and material, sewed together at their edges, or it may be formed of one piece of material as is customary in some styles of caps. In accordance with this invention, the normal rim of the rear portion of the crown lies below the rim of the front portion, forming an extension 12, or in other words, the front rim of the crown is indented or lies above the normal rim of the rear portion of the crown. A peak or vizor 13 of any desired shape is attached to the front indented rim of the crown, and preferably the sides of the vizor should terminate a short distance from the forward edge of the projecting portion of the rear part of the crown, as indi-

cated at 14. The vizor may be provided with a suitable fastening device, such as a snap fastener 15, the coöperating member 16 of which is attached to the front of the crown so that the latter may be fastened to the vizor in the usual manner.

The structure thus far described will appear as in Fig. 2, but in order to secure adjustability there is associated with the extended portion of the rear part of the crown on each side of the cap a strap 17. When in use these straps pass upwardly over the top of the vizor and are adjustably connected to each other by means of a buckle 18, or other suitable device. As shown in Fig. 1 each strap may be connected as by sewing, to the front edge of the extended portion 12 of the crown. These straps may be conveniently and economically cut out of waste portions of material used for forming the sections of the crown, or, if desired, they may be formed of other material.

In Fig. 3 there is shown a modification of the invention, in which each of the straps 17′ is formed as an integral extension of one of the segments 11′ on each side of the cap, each of these sections being somewhat longer than the sections which form the front part of the crown, so as to provide the required extended portion at the bottom of the rear part of the crown.

Some styles of caps are provided with a band around the rim of the crown, this band being formed of the same or different material. In accordance with the present invention, caps of this style may be produced by attaching a band 19 to the edge of the crown, so that it extends below the edge to which the vizor is attached, as shown in Fig. 4. The ends of the band may be left free to form the straps 17″ which pass over the top of the vizor and are adjustably connected to each other to permit the size of the cap to be altered.

It is intended that in any of the modifications of the invention sweat bands 20 of any suitable material may be attached to the inside of the rim of the crown, and the forward ends of the bands should preferably be extended along the inside of the straps 17 as indicated at 21 in the interior view, Fig. 5. The rim of the front portion of the crown is also provided with a sweat band 22, which preferably tapers to a point at each side of the cap. Due to the above arrangement there is formed a practically continuous sweat band around the interior of the cap, so that even when the size of the cap is altered by adjustment of the straps 17, there is always a portion of the sweat band in contact with the head of the wearer at the sides of the cap on account of the extensions 21.

From the above description of the invention it will be seen that there is provided an adjustable cap of simple construction, which may be rapidly and cheaply manufactured. When the cap is being worn the front portion of the crown will usually be folded over the vizor and held in place by means of the fastening devices 15 and 16, and under these conditions the adjusting straps 17 will be largely concealed beneath the portion of the crown which overlaps the vizor. At the same time the straps will conceal the openings formed between the front edges of the depending portion and the sides of the vizor and give the appearance of a continuous rim. When the straps are manipulated there will be relative movement between the extended rim of the crown and the sides of the vizor in the nature of a swinging movement of the extended portion about the points *a* at the top of the front edges of this portion. In practice it is preferred to space the pointed ends of the vizor slightly in advance of the front edges of the extension, as at 14, to permit overlapping or gathering of the material at this region as the size of the cap is altered, and since these regions of the cap are largely concealed under the folded forward portion of the crown when the cap is being worn, any folding or wrinkling which may occur at these points will not be conspicuous.

By virtue of the improvement it is possible to provide for all of the demands of the trade without making it necessary for dealers to carry in stock a number of sizes of each style and pattern of cap. Caps constructed in accordance with the invention possess the additional advantage that they may be adjusted from time to time by the wearer to compensate for shrinkage or stretching of the material of the cap, and thus the wear which may be obtained from them is lengthened. The above, as well as many other advantages, may be obtained without the provision of a number of extra parts, and such parts as are necessary, principally the straps 17, may be cut out of remnants of the material used for forming the crown; or, as is shown in Fig. 3 they may be made as integral extensions of the same material.

While certain preferred embodiments of the invention have been shown and described, it will be understood that various changes in details may be made without departing from the principle of the invention as defined in the appended claims.

I claim:

1. An adjustable cap, comprising a vizor, a crown provided with an extension lying below the edge to which the vizor is attached, means on each side of the cap associated with the extension and passing upwardly over the vizor, and means for adjustably connecting the said means together to permit the size of the cap to be altered.

2. An adjustable cap, comprising a crown

having the rim of its rear portion lying below the rim of the forward portion, a vizor attached to the rim of the forward portion, a strap associated with the extended portion on each side of the cap, said straps being arranged to extend across the top of the vizor adjacent the forward edge of the crown, and means for adjustably connecting the straps together to permit the size of the cap to be altered.

3. An adjustable cap, comprising a vizor, a crown provided with an extension lying below the edge to which the vizor is attached, a strap associated with the extension on each side of the cap, and having a width substantially equal to the width of the extension, said straps being arranged to extend across the top of the vizor adjacent the forward edge of the crown, and means for adjustably connecting the straps together to permit the size of the cap to be altered.

4. An adjustable cap, comprising a crown having its rear portion projecting below the forward portion, a vizor attached to the lower edge of the forward portion and terminating on each side of the cap a short distance in advance of the front edge of the projecting portion, a strap associated with the projecting portion of the crown on each side of the cap, said straps being arranged to extend across the top of the vizor adjacent the forward edge of the crown, and means for adjustably connecting the straps together to permit the size of the cap to be altered.

5. An adjustable cap, comprising a crown having the rear portion extended below the forward portion, a vizor attached to the lower edge of the forward portion and terminating on each side of the cap a short distance in advance of the front edge of the extended portion, a strap associated with the extended portion of the crown on each side of the cap and having a width substantially equal to the width of the extended portion so that the upper edge of the strap lies closely adjacent to the lower edge of the front portion of the cap between the end of the vizor and the forward edge of the extended portion, said straps being arranged to extend across the top of the vizor when the cap is in use, and means for adjustably connecting the straps together to permit the size of the cap to be altered.

6. An adjustable cap, comprising a vizor, a crown provided with an extension lying below the edge to which the vizor is attached, a strap associated with the extension on each side of the cap and passing upwardly over the vizor, means for adjustably connecting together the straps to permit the size of the cap to be altered, a band attached to the interior of the extension and carried along the inner face of each strap, and a second band attached to the lower edge of the front portion of the crown at the inner edge of the vizor.

7. An adjustable cap comprising a crown and a vizor attached to the front of the crown on a line placed above the normal rim of the cap, means on each side of the cap, continuous with the normal rim of the cap and passing upwardly over the vizor, and means for adjustably connecting the said means together to permit the size of the cap to be altered.

In testimony whereof I affix my signature.

PHILIP A. FISCHER.