P. A. FISCHER.

ADJUSTABLE CAP.

APPLICATION FILED APR. 8, 1919.

1,333,708.

Patented Mar. 16, 1920.

2 SHEETS—SHEET 1.

Fig. 1,

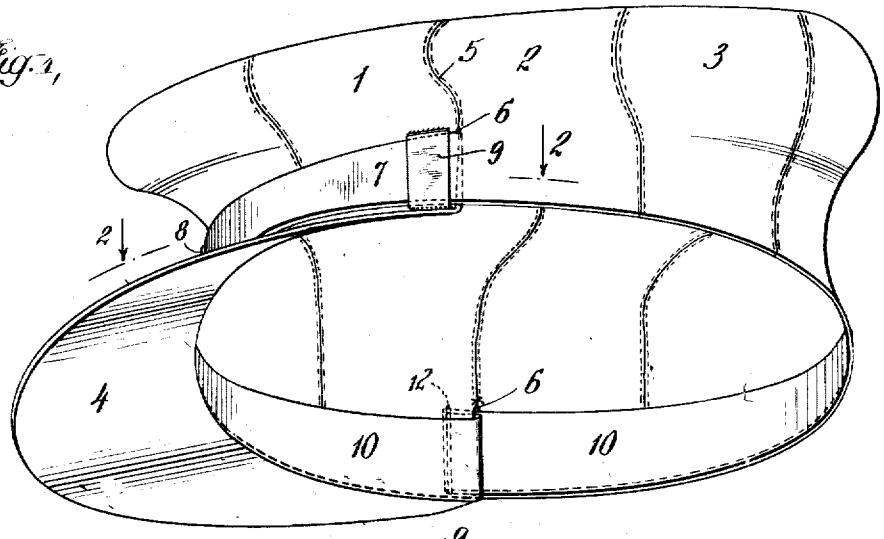


Fig. 2,

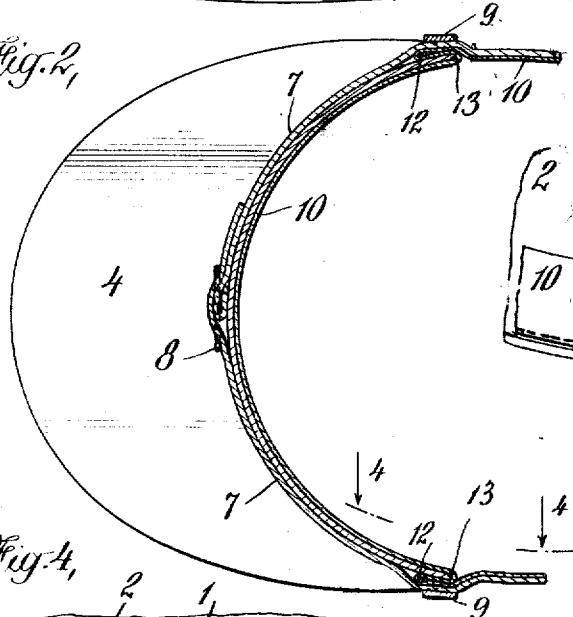


Fig. 5,

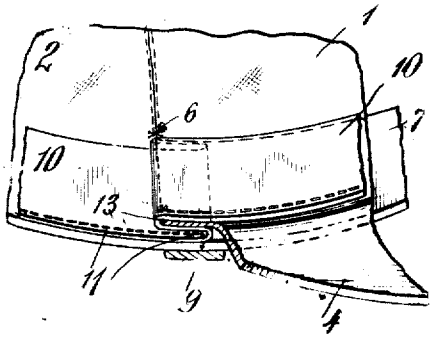


Fig. 4,

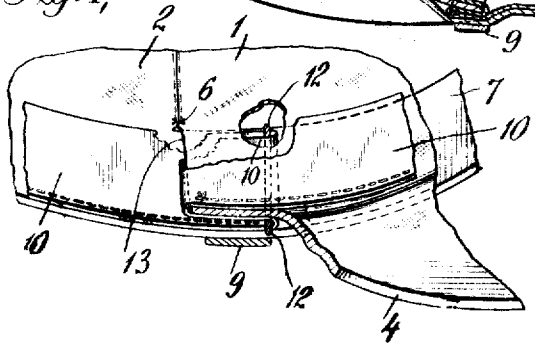
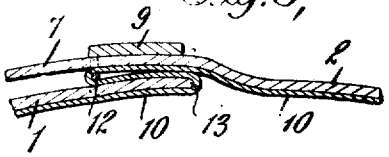


Fig. 3,



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2 SHEETS—SHEET 2.

Fig. 6,

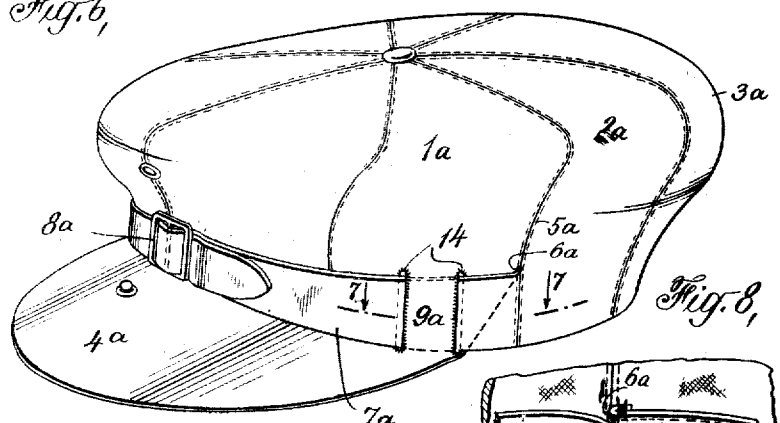


Fig. 8,

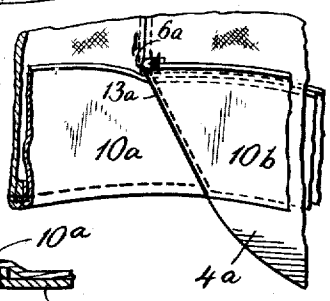


Fig. 7,

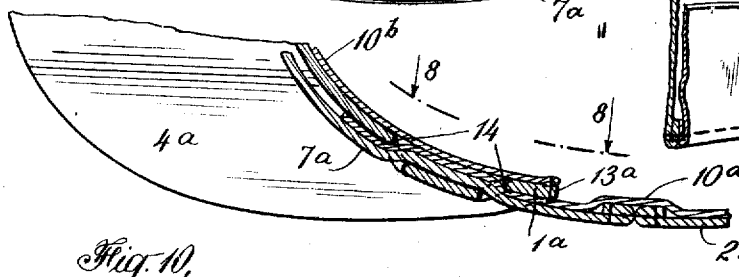


Fig. 10,

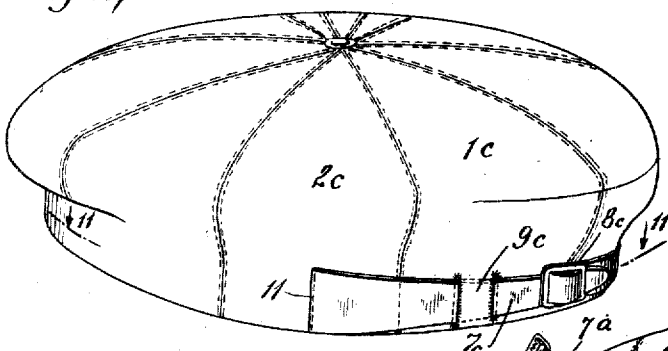


Fig. 9,

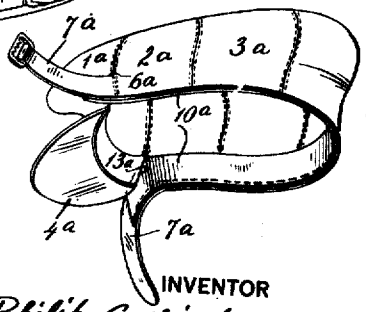


Fig. 12,

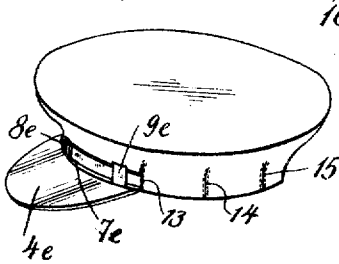
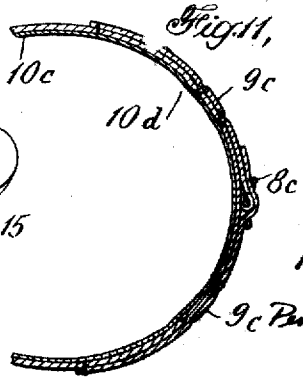


Fig. 11,



INVENTOR

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UNITED STATES PATENT OFFICE.

PHILIP A. FISCHER, OF NEW YORK, N. Y.

ADJUSTABLE CAP.

1,333,708. Specification of Letters Patent. Patented Mar. 16, 1920.

Application filed April 8, 1919. Serial No. 288,569.

To all whom it may concern:

Be it known that I, PHILIP A. FISCHER, residing at New York, 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 of improved construction, made of cloth or similar material.

In the usual manufacture of cloth caps, it is customary to make the caps in different sizes, to meet the demands of the trade. This requires that the caps shall be constructed in a great variety of sizes, and that the dealers shall carry an extensive stock of caps of any one style, as well as caps of different styles, in order that they may provide the necessary variety, and the necessary sizes in each variety.

The present invention has for a primary object the provision of an adjustable cloth hat or cap, which is adjustable as to size, within certain limits, so that the demands of the trade can be satisfied without the necessity for carrying such a large stock as is customary with caps of the usual construction, and so that, with a lesser number of caps of the improved construction provided by the present invention, the necessary variety of styles and patterns can, nevertheless, be readily provided to meet the demands of the trade.

It has heretofore been proposed to make adjustable caps by making incisions or excisions in the material of this cap, and the insert V shaped section or gussets to provide the desired adjustment. It has also been proposed to provide such caps, having gussets or inserts therein, with straps secured to the cap, or extending around the cap between the sweatband and the cap fabric.

The improved cap of the present invention is made adjustable without the use of gussets or inserts, and without the necessity for making gaps or excisions, unless specially required or desired, from the cap fabric, and without the necessity for extra straps or elastic bands or sweat-band.

The improved cap of the present invention is constructed in much the usual way, except that one or more of the cap seams are left open or unfinished for a short portion of their length, or incisions are made in the cap fabric itself near the lower edge of the cap, thus leaving two adjacent portions of the cap free to move to and away from each other at the lower edge of the cap, and unitary strap projections are secured to one of the cap portions adjacent to the open seam or incision, and arranged to close such seam or incision and to extend around the cap and to be secured in an adjustable manner.

The invention will be further described in connection with the embodiments thereof illustrated in the accompanying drawings, but it will be understood that the invention is not limited to the specific constructions thus illustrated and described, and that variations and modifications can be made therein without departing from the spirit and scope of the invention.

In the accompanying drawings:

Figure 1 shows, somewhat conventionally and diagrammatically and in perspective, a cap embodying the invention;

Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1;

Fig. 3 is an enlarged view of part of the structure shown in Fig. 2;

Fig. 4 is an enlarged view, with parts broken away, taken on the line 4—4 of Fig. 2;

Fig. 5 is a view similar to that of Fig. 4, showing a modified construction;

Fig. 6 shows a modified construction of cap embodying the invention;

Fig. 7 is a sectional view taken on the line 7—7 of Fig. 6;

Fig. 8 is an enlarged view taken on the line 8—8 of Fig. 7;

Fig. 9 is a perspective view of the cap of Fig. 6, with the parts separated to better illustrate the construction;

Fig. 10 shows a modified construction of cap embodying the invention;

Fig. 11 is a sectional view taken on the line 11—11 of Fig. 10; and

Fig. 12 shows a further modified construction.

The cap illustrated in Figs. 1 to 4, inclusive, is constructed of sections united together by stitching in much the usual way. Three of these sections are indicated by the reference characters 1, 2 and 3, while the cap visor is indicated by the reference character 4. One of the seams between two of

the cap sections on each side of the cap is left open and unfinished, as clearly illustrated in the case of the seam 5, between the sections 1 and 2. This seam 5 is sewed only as far as the point 6, and the seam is left open therebelow. The section 2 is provided with an integral extension 7, of a width sufficient to close the open seam, and this extension is carried around to the front of the cap and secured to a similar extension 7 from the other side of the cap, in any suitable manner, as by means of a buckle 8. In order to guide and confine the strap extension 7, a loop of fabric or other material 9 may be provided, as shown.

The cap is provided with a sweatband 10 which is also of much the usual construction, but in which provision is made for securing the desired adjustment. As illustrated in Figs. 1 to 4, the sweatband is continuous around the cap, but it is provided with a loop or fold at each of the open seams, so that it is capable of elongation and contraction at these points. As shown in Figs. 2, 3 and 4, the sweatband extends around the end 13, of the fabric 1 and is secured to the strap extension 7 by means of a fine cord 12, so that, as the strap 7 is adjusted relatively to the end 13 any slack in the sweatband will be pulled into the space between the loop 9 and the fabric 1. In the construction illustrated in Fig. 5, the cord 12 is omitted, and the stitching 11 is continued along the sweatband and strap 7 for a sufficient distance to assist in pulling the slack of the sweatband within the loop 9. It will be evident that the extra length of sweatband provided for adjustment can be varied, and that any suitable provision may be made for taking up this slack when the sweatband is not extended.

From the above description, and from the accompanying drawings, it will be evident that the unitary extension 7 of the section 2, can be adjusted with respect to the section 1 of the cap, so that the size of the cap can be thereby correspondingly increased or decreased. Moreover, it will be evident that the adjustment is brought about at the lower edge of the cap, where it comes in contact with the head of the wearer, and that the sweatband, as well as the cap itself, is adjusted to the same extent and at the same time. During this adjustment, the point 6 which is the end of the seam 5, acts as a pivot, about which the strap extension 7 may be considered to move, although the soft and readily adjustable fabrics of which caps are commonly constructed, will permit the desired adjustment to be made without undue strain upon the cap fabric. The point 6, however, may be reinforced in any suitable way to provide extra strength at this point.

In the modified cap construction of Figs. 6 to 11 inclusive, the same or corresponding parts of the cap are indicated by the same reference characters with suffixes appended thereto. The cap illustrated in Figs. 6 to 9 is of the same general construction as that of Fig. 1, but the strap extension 7^a, is stitched to the section 2^a, instead of being cut integrally therewith from the same piece of fabric. Instead of providing loops, 9, sewed to the cap, similar loops are provided by making buttonholes, 14, in the fabric of the cap itself, and by running the strap, 7, through these buttonholes, and beneath the loop, 9^a, thus provided this loop corresponding to loop 9 of Fig. 1.

In the cap construction of Figs. 6 to 9, the sweatband, 10^a, is not made continuous, as it is in the construction of Fig. 1, but it is discontinued at the end of the fabric, 13^a, and it is continued beyond the end of the fabric, 2^a, and for a sufficient length of the strap, 7^a, so that it will extend beyond the point, 13^a, when the cap is in its extended position of adjustment. It will thus be noted that the sweatband is made up of two parts, one secured to the front portion of the cap and the other secured to the back portion of the cap and extending along the straps, 7, for a portion of their length. In this construction, as the cap is adjusted, the ends of the sweatband secured to the straps, 7^a, will be adjusted with that strap, relative to the sweatband portion, 10^b.

In Fig. 9 the strap, 7^a, is shown unfastened and withdrawn from the buttonholes or loop. From this figure it will be apparent that the front portion of the cap, to which the visor, 4^a, is secured, can be adjusted with respect to the other portion of the cap, and that the amount of this adjustment will depend upon the straps, 7^a.

The cap of Figs. 10 and 11 has no visor, and the adjustment is provided at the back of the cap, instead of at the front. The construction is similar to that above described, except that the strap extensions 7^c are stitched to one side of an incision 11, made in the section of fabric 2^c, and passed through buttonholes or loops, as shown. The sweatband is made in two sections, much as the sweatband of Figs. 6 to 9, inclusive.

The cap of Fig. 12 is made with a one-piece top 12, and formed in the manner shown with the seams or incisions stitched together at 13, 14, 15, etc. The strap 7^c is attached to the back side of the seam or incision 13, which is left open and closed by the strap, and the strap is then passed through the loop or other securing device 9^c, much as, with the cap constructions above described.

It will be noted that a similar adjustment is provided whether the strap projections are combined with one side of an open seam

or one side of an incision, and whether integral with the cap fabric or attached thereto.

It will be evident that caps, as well as cloth hats, may be made of different styles and of different shapes, embodying the invention, and that the invention is capable of variation and adaptation to such different styles and shapes. So also, the strap extensions, when attached to the cap fabric, may be of cap material, or may be of other material, such as silk or leather, which will give a desirable finish to the cap.

It will be evident, moreover, that the cap of the present invention presents a finished and pleasing appearance, and that it does not show any gussets or inserts. Instead, the cap does not differ appreciably from caps of the usual construction, except for the provision of the straps 7 at the front or back of the cap; and these straps may be hidden from view in caps of the construction illustrated in Fig. 6, when the ball and socket fastening on the cap and visor is fastened. When this fastener is thus fastened, the only portion of the strap 7 which will be visible will be the end portions at the end of the visor, and these portions will present no unusual or objectionable appearance, but will, on the contrary, provide a desirable finishing touch to the caps at that point.

From the foregoing description and from the accompanying drawings, it will be seen that the cap of the present invention is adjustable, within limits, so that a single cap will accommodate itself with equal facility where caps of different sizes are required. The cap may thus be made somewhat larger or smaller, to give a cap of a particular size, or it may be enlarged or contracted by the wearer during use.

It will further be noted that not only are visible seams and inserts or gussets avoided, but that the entire adjustment is effected by means of integral strap projections which may be of the same material as the cap or of different material, and which may either be cut from the cloth as an integral projection of one of the cap sections, or separately attached thereto. The adjustment of size is made by the direct contact and union of the cap material with the unitary projections thereof, and not by means of accessories such as sweatbands or gussets. In other words, the adjustment is obtained by a direct action upon the cap body, and of material which may be the same as that of the cap itself, or different therefrom, as distinguished from separate attachments, which operate indirectly. The manufacture of the caps in the manner above described, with the adjustment provided by integral portions of the cap itself, and without separate attachments, enables the improved cap of the present invention to be manufactured without elaborate extra operations.

I claim:

1. An adjustable cap, provided with an opening along the lower edge thereof, a strap extension of a width substantially equal to the length of said opening and attached to the cap along the edge of said opening without overlapping the rear part of the cap, arranged to extend across and cover said opening and means to adjustably secure said extension to a strap extension from the other side of the cap.

2. An adjustable cap, provided with a visor at the front portion thereof that serves to stiffen the same, and being further provided with an opening along the lower edge of the cap adjacent the end of the visor, a loop carried by the visor portion, the rear part of the cap being flexible and provided with a strap extension of a width substantially equal to the length of said opening, arranged to extend across and close said opening and to pass through said loop into engagement with a strap extension from the other side of the cap.

3. An adjustable cap, provided with an opening along the lower edge thereof, a strap extension of a width substantially equal to the length of said opening and attached to the rear portion of the cap and arranged to extend forwardly across said opening, and means to adjustably secure said extension to a strap extension from the other side of the cap.

In testimony whereof I affix my signature.

PHILIP A. FISCHER.