Feb. 24, 1953

E. BERG

2,629,103

HEAD COVERING

Filed June 22, 1951

Fig-1

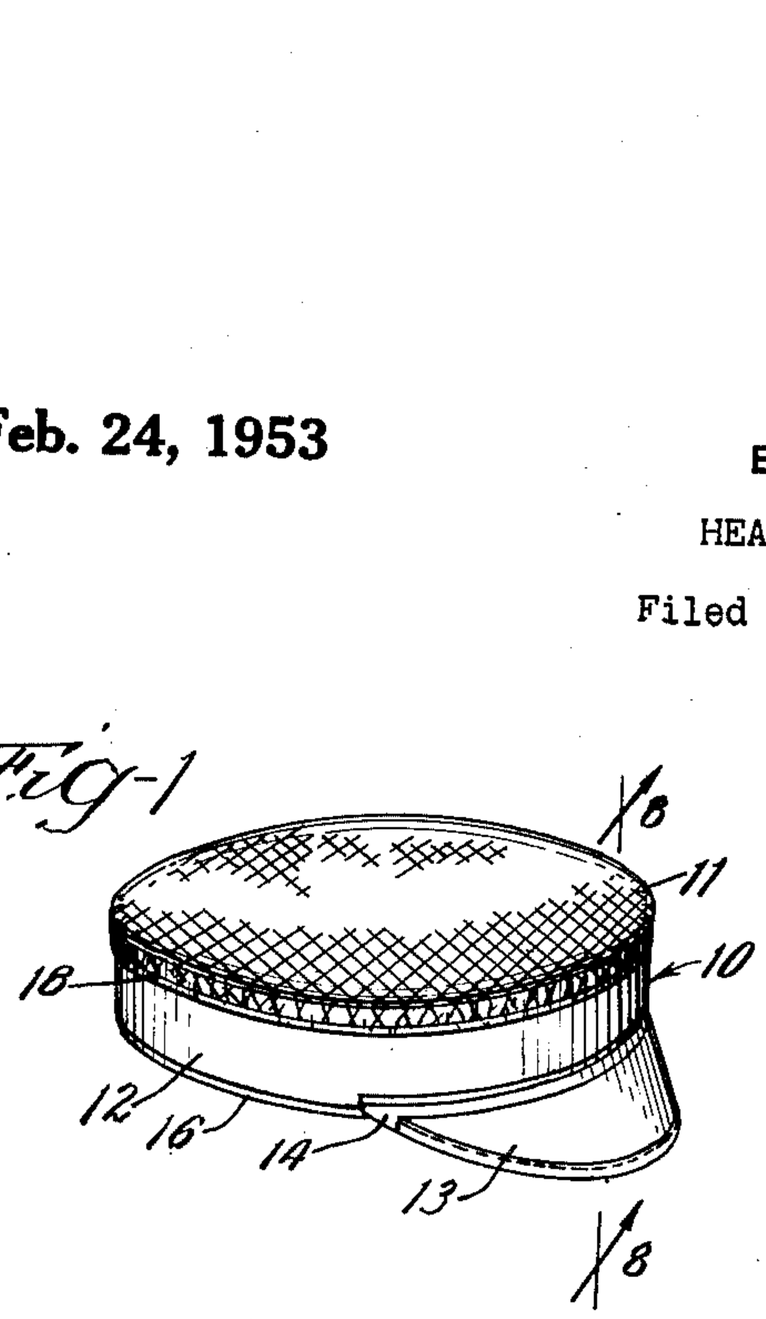


Fig-2

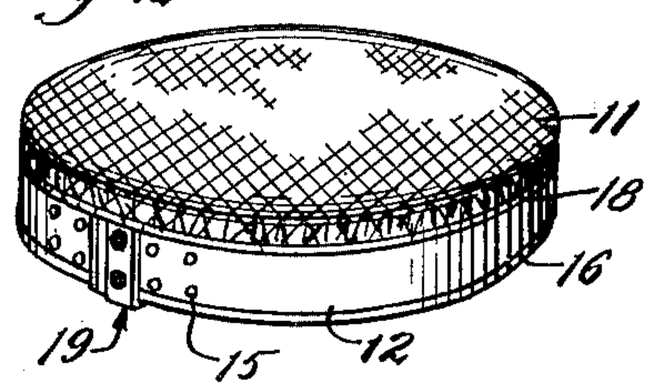


Fig-3

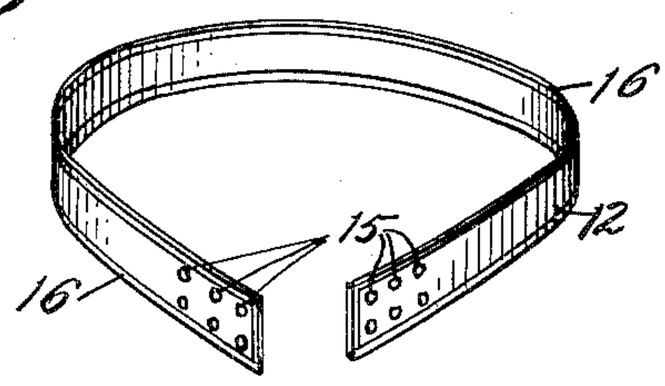


Fig-4

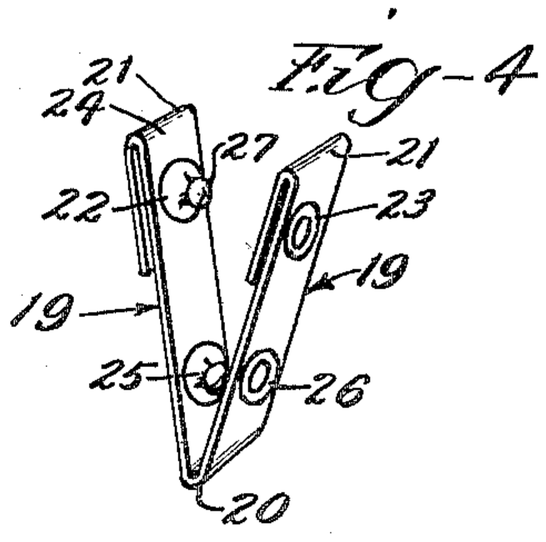


Fig-5

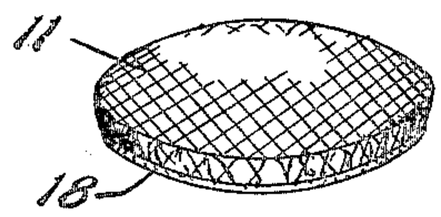


Fig-6

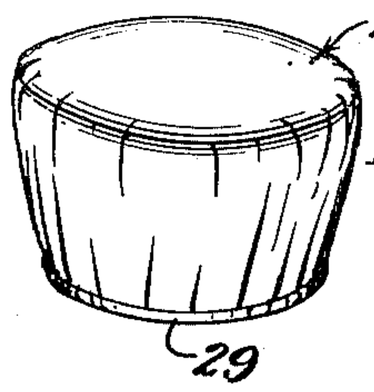


Fig-7

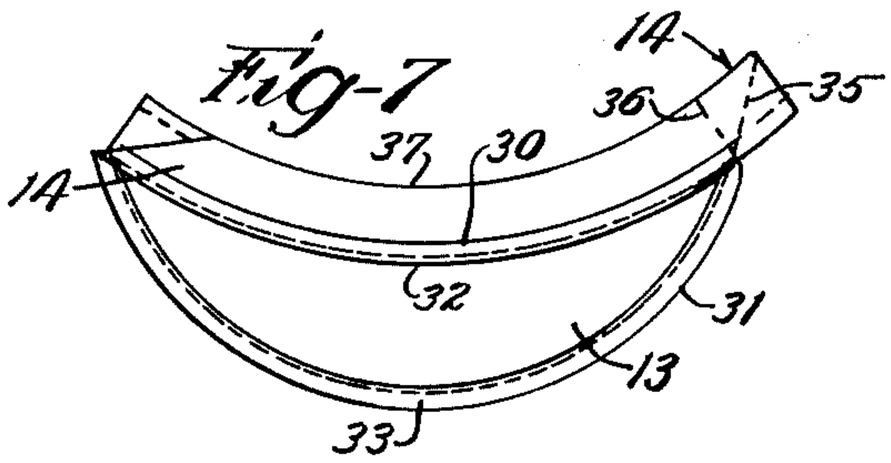
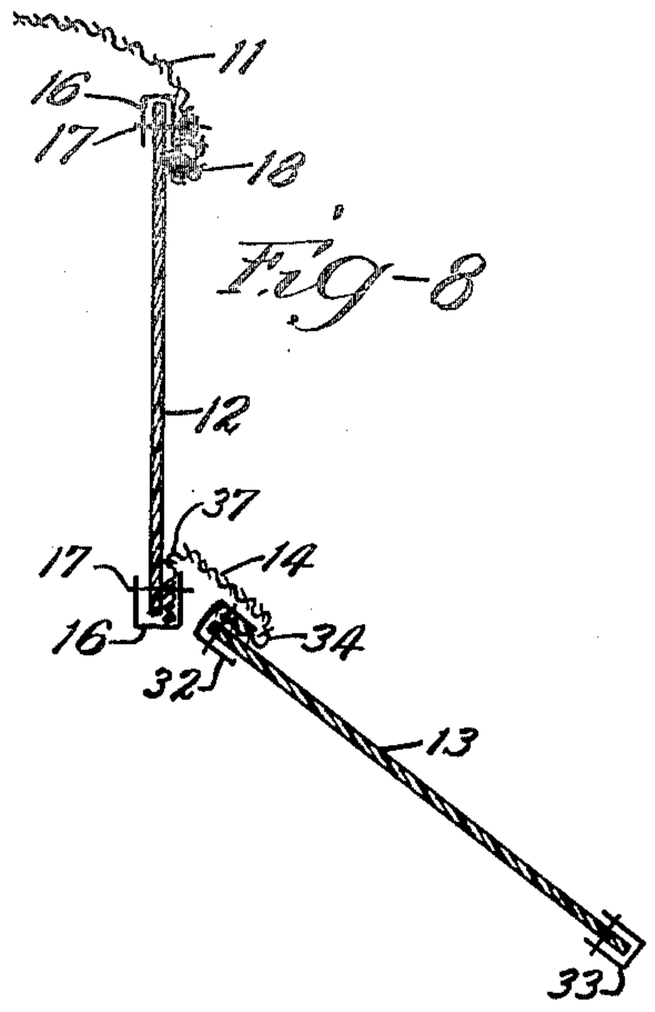


Fig-8



INVENTOR.

Elaine Berg.

BY

Robert H. Tendler

Atty.

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HEAD COVERING

Elaine Berg, Chicago, Ill.

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1 Claim. (Cl. 2—197)

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The present invention relates to head coverings, and is particularly concerned with the provision of a plurality of forms of head coverings which are adapted to be cleaned more easily than those of the prior art.

One of the objects of the present invention is the provision of an improved head covering in the form of a topper, adapted to be worn by workers at soda fountains and by female workers in factories.

Another object of the invention is the provision of an improved cap which is adjustable in size, the adjustment being accomplished by securing the ends together at any of a plurality of selected apertures by means of a snapper unit, which prevents the loss of the independent parts of the snap fasteners.

Another object of the invention is the improved visor construction for caps of this type in which the visor may be made of smooth, shiny, flexible sheet plastic of the type that can be readily cleaned with soap and water; and having a top which may be made of net fabric, or a hair net provided with a resilient rubber strand around its boundary.

Another object of the invention is the provision of an improved cap, the main parts of which are made of smooth, flexible sheet plastic, and which may be utilized with or without a visor and with a top covering that is renewable.

Another object of the invention is the provision of an improved chef's hat which utilizes a minimum number of parts, and comprises a fabric top having a gathered edge carried by a flexible band of plastic which is adjustable as to size so that it will fit heads of various sizes.

Another object of the invention is the provision of improved caps of various types, all of which are easily cleaned and the parts of which can be readily renewed, and which can be manufactured at a very low cost so that the caps may be placed within the reach of a vast number of the public at a low cost.

Other objects and advantages of the invention will be apparent from the following description and the accompanying drawings, in which similar characters of reference indicate similar parts throughout the several views.

Referring to the single sheet of drawings accompanying the specification,

Fig. 1 is a view in perspective of a soda fountain topper cap provided with a visor embodying the invention;

Fig. 2 is a view in perspective taken from the rear of the same cap, also illustrating how the cap appears without a visor;

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Fig. 3 is a view in perspective of the foundation band for all of the caps embodying this invention;

Fig. 4 is a view in perspective of the snap fastener unit which may be used on all of the caps;

Fig. 5 is a view in perspective of a top covering which may consist of a relatively small hair net;

Fig. 6 is a view in perspective of another top covering for a chef's hat;

Fig. 7 is a top plan view of the visor and its connection to the foundation band shown at one of the points of completion during the process of its manufacture; and

Fig. 8 is a sectional view taken on the plane of the line 8—8 of Fig. 1, showing the details of construction of the foundation band, top covering and visor.

Referring to Fig. 1, 10 indicates in its entirety the soda fountain topper having a visor. The main parts of this cap are the top 11, the foundation band 12, the visor 13, and the connection 14, between visor and foundation band.

The foundation band is shown in perspective in Fig. 3, and it comprises an elongated rectangular strip of flexible, smooth sheet plastic, which may be white when employed in trades demanding sanitation, or it may be made of any desired color.

Various types of plastics may be employed; but they are preferably heat resistive so that they are definitely not inflammable. Among those that may be employed are vinylchloride acetate resins, vinyl chloride resins, vinylidene chloride resins, vinyl butyral resins, vinyl alcohol resin, methyl methacrylate, polystyrene, polyethylene, cellulose acetate, and cellulose acetate butyrate.

All of the foregoing have a very slow burning rate, are neutral in characteristics and resistive to acids and alkaloids, and may be provided in shiny sheet form of white or colors in such manner that dirt does not penetrate, and may be readily washed off with soap and water.

The foundation band 12 is of sufficient length to extend around and overlap its ends on the head of the largest user, and both of its ends are preferably provided with a plurality of series or pairs of apertures 15.

By placing the proper apertures adjacent each other and in registry the snap fasteners may be made to pass through these apertures to secure the ends of the foundation band together to form a cylindrical band of various sizes.

The foundation band preferably has its lower edge, its upper edge and ends covered with a

binding strip 16, the strip being folded over the edge and secured by a line of stitching 17. The upper edge of the strip also serves the useful purpose of retaining the rubber band 18, which borders the net top 11, and draws it together around the foundation band.

This binding strip may also be made of shiny plastic sheet, but in some embodiments of the invention cloth binding tapes may be employed.

The top covering 11 may consist of a hair net of small size with a rubber band 18 around its circular boundary in such manner that it fits over and clamps about the foundation band 12. This hair net will be renewable so that the same cap can be used for a long time by renewing the top covering.

In other embodiments of the invention a mesh or net fabric may be employed or a thin cloth which permits the access of air to the scalp.

The snap fastener unit 19 is shown in Fig. 4, and it preferably consists of a strip of strong, flexible plastic film or sheet material folded back upon itself at 20, to extend inside and outside the foundation band 12.

At each of its ends the fastener unit 19 is folded back at 21, giving a double thickness for supporting the male snap fastener 22 and the female snap fastener 23. The strip preferably projects beyond these snap fasteners, the end portions being employed as a tab to pull the snap fasteners apart.

The strip also supports the male snap fastener 25 and its complementary snap fastener 26, all of these being secured by a suitable machine.

The male snap fasteners 22 and 25 have an elongated nib 27, so that they are adapted to project through holes 15 in the two ends of the foundation band 12 and still engage the female snap fasteners.

The location of the snap fasteners is such that the pair register with a pair of holes 15, and the topper assembly is shown from the rear in Fig. 1, with the upper tabs 24 concealed beneath the covering.

The same foundation band 12 may also be employed in a chef's cap assembly, and in this case it is only necessary to provide a chef's cap top 28. This chef's cap top consists of a large circular piece of suitable white cloth, such as linen or cambric, the boundary of which is gathered together by a band of rubber 29.

This may consist of a fabric loop with a strand of rubber in it or a strand of rubber passing in and out through the fabric and forming gathers, or a strap of rubber in the form of a white band of fabric covered rubber secured to the gathered edge of the top 28.

The chef's cap top 28 fits over the foundation band 12 and is retained by the binding strip 16, but projects upwardly above the head of the wearer as shown in Fig. 6.

The present caps may be constructed with or without a visor. The visor 13 consists of a piece of the same smooth, shiny, flexible sheet plastic used for the foundation band 12. Its shape is shown in Fig. 7, having its upper edge 30 formed on a larger radius than its lower edge 31.

The radius of the upper edge 30 is much greater than that of the foundation band 12, so that the visor is pointed downwardly at a sharp angle, as shown in Fig. 1, or it may be snapped upwardly. The visor 13 has its two edges 30 and 31 covered with a binding tape 32 and 33, which is folded over the edge and secured by a single line of stitching.

This binding tape may be a fabric tape often of contrasting color, but for purposes of easy cleaning it may be a strip of flexible plastic film.

In order to secure the visor 13 to the foundation band 12, a connecting strip of fabric 14 is employed. This connecting strip is actually rectangular in shape and slightly longer than the inner edge 30 of the visor.

It is preferably secured first to the visor by having its lower edge bent backwardly at 34 and stitched in with the binding tape at the same line of stitching. This produces the assembly shown in Fig. 7, with the connecting strip 14 projecting from both ends.

At each end the connecting strip is then preferably folded over along the diagonal line 35, and thereafter folded back along the right angle line 36, reaching the condition shown at the left in Fig. 7. This doubles the fabric of the connecting strip at each end and strengthens it against tearing at the point most likely to tear.

The upper edge 37 of the fabric strip 14 is then sewed in with the lower binding strip 16 of the foundation band 12 by means of the single line of stitching 17. If desired the connecting strip 14 may also be made of a plastic film or plastic binding tape, all of which makes the present caps very easy to clean.

It will thus be observed that I have invented a plurality of new forms of head coverings suitable for male or female soda fountain workers and for factory workers and chefs.

The present cap constructions embody a minimum number of parts, they are washable with soap and water, and adjustable to the size of any head.

While I have illustrated a preferred embodiment of my invention, many modifications may be made without departing from the spirit of the invention, and I do not wish to be limited to the precise details of construction set forth, but desire to avail myself of all changes within the scope of the appended claim.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is:

A ventilated and visored cap for workers, comprising a substantially rectangular band of smooth, shiny, flexible sheet plastic of noninflammable character, having a sufficient stiffness to maintain a substantially cylindrical shape when its ends are secured together, said band having a plurality of apertures adjacent each of its ends, and the apertures being spaced to register with each other when adjusted, to provide a head band of different sizes, means passing through said registering apertures for securing the ends of the band together, a binding strip of thin, flexible plastic sheet folded over into U shape on the upper edge, the lower edge, and the ends of said band, and stitched in place on said band by a line of stitching through the band and through the folded binding strip, a covering of mesh material of substantially circular shape and large enough to encompass said band when adjusted to its largest size, the said covering being provided with an elastic gathering member at its outer edge, the covering being folded over the top edge of said band, and having its elastic member engaging the band below the upper binding strip, the elastic band of said cover expanding and contracting to adjust the cover to the band when the latter is adjusted to different sizes, a flat strip of flexible connecting fabric having parallel edges, one edge of said strip being aligned

with the lower edge of said band and located inside the lower binding strip and secured by the same line of stitching that secures the binding strip to the band, and a crescent shaped visor of smooth, flexible, shiny plastic, having upper and lower curved edges, the edges of said visor being covered with smooth, shiny, flexible plastic binding tape folded over the edges of the visor and secured to it by a line of stitching passing through the visor and both folds of the binding tape, the said connecting strip having its other parallel edge placed in alignment with the upper edge of the visor inside the binding tape on said edge, and secured by the same line of stitching that secures the binding tape to the visor.

ELAINE BERG.

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