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ADJUSTABLE HAT SHAPING FORM

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ADJUSTABLE HAT SHAPING FORM

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2 Claims. (Cl. 223—25)

1 This invention relates to an adjustable form of suitable material, such as metal, rubber or plastic, to be used to shape or hold hats in shape, during manufacture or after wearing.

An object of this invention is to provide a semi-ellipsoidal collapsible hat form or form-retaining device for hats which will be adaptable in size and contour to fit substantially any kind of hat.

Another object of this invention is to provide a segmental form-retaining device for hats, the segments being collapsible by nesting in superposed relation, so as to occupy the least room for shipment or storage.

Another object of this invention is to provide a collapsible form-retaining device for hats, comprising a plurality of substantially upright segments rotatable on a common axis, the lower ends of the said segments lying in a single plane and forming a base, the said segments being concentrically disposed and rotatable into nested relation and permitting portability of the device in collapsed form.

Another object of this invention is to form through circular and aligned slots parallel with the lower surfaces of the segments and to provide fastening means movable in the slots whereby the segments may be positively held in expanded operating relation.

With the above and other objects in view, the invention will be hereinafter more particularly described, and the combination and arrangement of parts will be shown in the accompanying drawings and pointed out in the claims which form part of this specification.

Reference will now be had to the drawings, wherein like numerals of reference designate corresponding parts throughout the several views, in which:

Figure 1 is a vertical front elevation of the form-retaining device, showing 3 segments in assembled relation.

Figure 2 is a bottom view of the form-retaining device shown in Figure 1.

Figure 3 is a side elevation of one of the segments.

Figure 4 is a vertical side elevation of the form-retaining device.

Figure 5 is a view showing the segments in collapsed or nested relation.

In the illustrated embodiment of the invention, the numerals, I, II, and III indicate thin walled segments of a form retaining device for hats.

As best shown in Figures 1 and 2, the segments I to III inclusive, have extensions 2 serving to form a hinge-like junction. The segments are mounted coaxially on a hollow rivet or pivot 3, having a central hollow portion 4.

In practice, the hollow rivet 3 is placed into all the extensions 2 and the tubular end of the rivet is rolled over so as to grip the extensions and hold them in frictional engagement.

As best shown in Figure 2, the segments I to III inclusive, are made wider than one-third of the circumference so that the segments will overlap when in open assembled relation and retain the hat shaping form in fully open interengaged position.

Each segment has a through circular slot 6 parallel with its lower surface, the slots stopping short of each upright side of the respective segments. It is to be noted that in assembled relation of the three segments the slots 6 are in aligned relation.

Rivets 7' secured in the segments I and II are in slidable engagement in the slots 6 and limit the expansion of the segments.

Figures 1 and 2 show the adjustable hat shaping form in expanded and operative position. A screw 8 and a thumb nut 9 operatively associated with two of the slots 6 in the segments I and III retain the segments in expanded and operative position. The numeral 1 indicates a rivet hole for receiving a rivet 7. It is to be noted that segments I and II have rivet holes for the rivets 7'.

When the hat shaping device is inserted into a hat and expanded to the size of the hat and locked by the thumb nut and screw, the device will hold and maintain the hat in the required shape.

To collapse the device, the thumb nut 9 and the screw 8 are removed from the device, as shown in Figure 5.

In accordance with the patent statutes I have described and illustrated the preferred embodiment of my invention, but it will be understood that various changes and modifications can be made therein without departing from the spirit of the invention as defined by the appended claims.

I claim:

1. A semi-ellipsoidal collapsible hat form, comprising a plurality of substantially identical thin walled segments having co-planar ends in the minor diameter of said form and providing the base thereof, said segments being pivoted in adjacent overlapping relation at the other ends thereof and in the major radius of said form for movement of said segments to the operative position in which the edges of said segments overlap in sub-
3. Substantially equally spaced planes intersecting the major radius, and pin and slot means providing for movement of said segments into collapsed nested relation.

4. A semi-ellipsoidal collapsible hat form, comprising a plurality of substantially identical upright thin walled segments having co-planar ends in the minor diameter of said form and providing the base thereof, said segments having apertured extensions for a rivet and being thereby pivoted in adjacent overlapping and frictionally engageable relation at the other ends thereof and in the major radius of said form for rotative movement of said segments to the operative position in which the edges of said segments overlap in substantially equally spaced planes intersecting the major radius, and pin and alignable slot means providing for movement of said segments from operative to collapsed nested relation.

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