Nov. 15, 1938. N. P. RISTELL ET AL. 2,136,925

COMBINED BEACH HAT AND FAN

Filed May 29, 1937

Fig. 1



Fig. 2

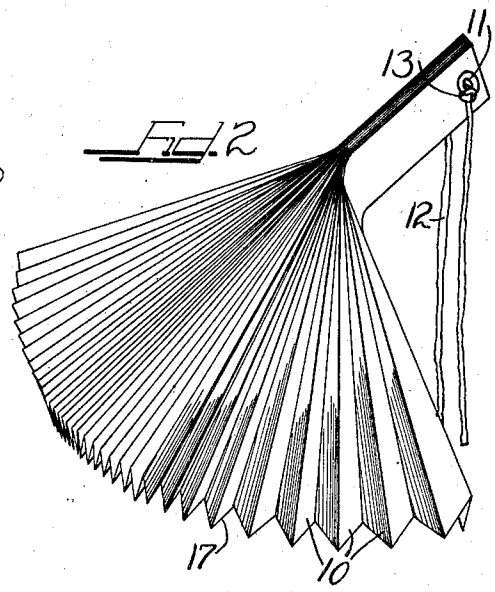


Fig. 3

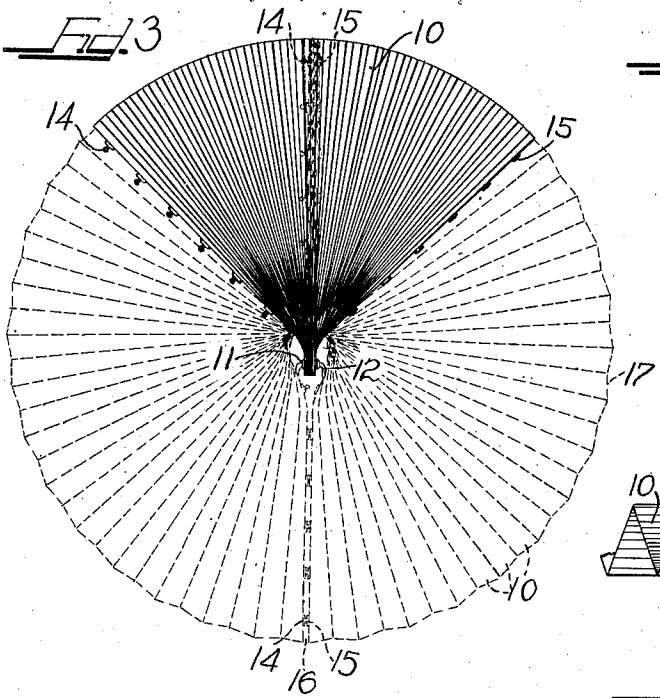


Fig. 4

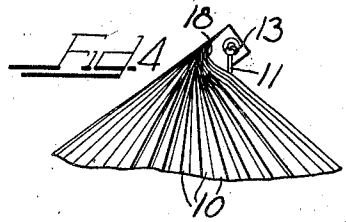
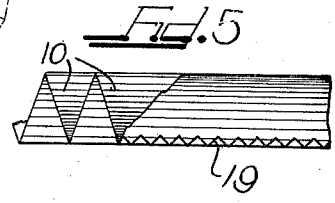


Fig. 5



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COMBINED BEACH HAT AND FAN

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4 Claims. (Cl. 2—175)

The present invention relates in general to a costume article and is particularly concerned with a combination hat and fan which is so arranged that it may have its parts moved into such relationship as to form a fan, if desired, or these parts may with equal facility be so arranged as to form a sport hat for beach wear and the like.

Also, when the article is not being used, these parts may be moved to form a knock-down assembly so as to permit the article to be carried conveniently or stored in a relatively small space.

It is therefore a primary object of the invention to provide a novel folding combination hat and fan.

A further object is to provide improved means for retaining the hat is assembled condition, yet which may be readily actuated to enable the hat to be folded to knock-down conditions.

Another object of the invention is to provide a novel hat of the character described which may be readily adjusted to vary the height of the crown and the position of the brim thereof.

Still another object of the invention resides in the provision of improved means for holding the hat in non-slipping engagement with the head of the wearer.

In accordance with the general features of the present invention, a sheet of suitable material is provided, which sheet is transversely pleated throughout its length. One set of ends of the pleats is secured together in gathered relationship, leaving the other ends free to be expanded and contracted. It will be obvious that with the construction so far described, the device may be readily opened and closed so as to form a fan in its open position.

In order to permit the use of the structure as a hat, the end pleats or end portions of the sheet are provided with detachable securing means, such as snap-buttons, talon fasteners or the like, whereby the end pleats of the sheet may readily be secured together. When the end pleats are thus secured, the material forms a conical shaped hat having radially extending pleats which stiffen the material in a radial direction.

An additional feature of the invention is to provide ties which are secured to the gathered ends of the pleats and are carried through the vertex of the hat so as to enable these ties to be suitably fastened under the chin of the wearer. These ties are also used to adjust the height of the hat, that is, to pull the vertex down relative to the rim of the hat, thus causing a tilting of the pleated portions on the head of the wearer, and tending to raise or lower the hat brim. Of course, the hat may be secured in adjusted position merely by first adjusting it and then tying the ties so as to hold the hat in desired position.

Other objects and features of the invention will more fully appear from the following detailed description, taken in connection with the accompanying drawing, which illustrates a preferred embodiment thereof, and in which:

Figure 1 is a view illustrating the manner in which the hat embodying principles of this invention is worn, and showing diagrammatically the manner of adjusting the brim on the head of a wearer;

Figure 2 shows the article when utilized as a fan;

Figure 3 is a plan view illustrating the position of the various parts when in knock-down relation, when in partially assembled relation to form a fan, and when in fully assembled relation to form a hat;

Figure 4 is an enlarged fragmentary view of the vertex of the hat as it appears from the side, showing the relationship of the various parts; and

Figure 5 is an enlarged fragmentary portion of the pleated material, showing the manner in which the lower fold edge of a pleat may be provided with serrations for making non-slipping engagement with the head of the wearer.

As shown on the drawing:

The present invention comprises a novel structure which may be normally folded to occupy a small space so as to be easily carried or stored. The device may be actuated to move its parts to partially assembled position, wherein these parts will form a fan. Also, the parts, by further movement, may be disposed in fully assembled relation to form a sport hat of pleasing appearance.

More specifically, the device is constructed of a sheet of suitable material, such as paper or the like, which may, if desired, be coated on one surface with a water-resisting material. Of course, it is also contemplated that, if a more permanent structure is desired, it may be of some material which is water-resisting throughout, it not being intended that the invention shall be limited in respect to the material utilized, as there are a multitudinous number of different materials which may be used for this purpose.

The sheet of material is substantially rectangular in shape and is folded transversely of its length to form a plurality of pleats or folds 10 of uniform height. The set of ends of the pleats along one edge of the material is gathered and secured in compressed relationship by means of a tubular rivet 11 which extends through the com-

pressed ends of the pleats and has its ends turned over to hold it against removal.

A tie member 12 of flexible material is threaded through the tubular rivet, and knots as shown at 13 may be tied in this member to hold it against movement through the rivet.

As shown in Figure 3, the outermost pleats are provided with suitable fastening means, whereby the ends of the sheet may be brought together and detachably secured. In the present instance, these end pleats are provided with snap-buttons, the complementary parts of which are respectively carried by the pleats, as shown at 14 and 15. Any form of fastening means may be used and, if desired, talon fasteners or other improved fasteners may be substituted for the snap-buttons.

When it is desired to use the device as a hat, the end pleats are brought into juxtaposed parallel relationship as shown at 16 in Figure 3, the snap-buttons or other fastening means operating to detachably secure the end pleats together. When assembled in this manner, a conical-shaped hat structure is formed in which the pleats are in compressed relation at the vertex of the cone and radiate in gradually increasing expanded relation as the brim 17 of the hat is reached. Although the hat is constructed of a relatively flexible material, it will be obvious that these pleats operate to substantially strengthen the material in a radial direction and retain the shape of the hat.

In the hat so formed, it will be observed that the compressed ends of the end pleats are bent more or less rearwardly as shown at 18 in Figure 4, and that a slight opening is formed at the vertex of the hat. This opening enables the loose ends of the tie member 12 to be passed therethrough so that the tie member may be tied around the face of the wearer and secured underneath the wearer's chin to hold the hat in position.

By further reference to Figure 4, it will be noted that the longitudinal center line of the gathered ends of the pleats at the vertex of the cone is disposed at an angle to the vertical center line of the cone. With this arrangement, when the hat is disposed on a wearer's head, the cone may be moved to a raised or flattened condition simply by pulling on the ties or releasing them so that the sides of the cone will be fulcrumed on the head of the wearer. The adjusting process is illustrated in Figure 1, where it will be noted that movement of the wearer's hand to the dotted line position will cause the rim of the hat to move from the position shown in full lines to a raised position as shown in dotted lines.

Once the hat has been adjusted by manipulating the ties, the ties may be secured under the wearer's chin to hold the hat in adjusted position.

In order to more securely hold the hat against sliding movement on the head of the wearer, it is proposed to provide on the lower fold edges of one or more of the pleats a series of serrations as shown at 19. These serrations may extend throughout a considerable length of the pleat, or may be confined to that portion which would ordinarily engage the wearer's head. Moreover, it is contemplated that these serrations may, if desired, be applied to all of the pleats or only to a portion of the pleats.

When it is desired to collapse or knock down the hat, the snap buttons or other means for securing the end pleats together are disengaged, whereupon the pleats may be moved into parallel juxtaposed relation to form a compact assembly which may be easily carried or stored in a small space.

From the foregoing description, it will be apparent that the herein described novel invention provides an improved costume article which may have its parts disposed in knock-down relationship, partially assembled relationship to form a fan, and in completely assembled relationship to form a sport hat for beach and other wear; which is provided with novel means for adjusting the crown and brim relationship of the hat; which includes a novel arrangement whereby the parts may be secured in assembled condition; which includes novel means for holding the hat in non-slipping engagement with the head of a wearer; and which may be manufactured at a small cost.

It is, of course, to be understood that although we have described in detail a single embodiment of our invention, the invention is not to be thus limited, but only insofar as defined by the scope and spirit of the appended claims.

We claim as our invention:

1. A costume article comprising a single sheet of flexible material transversely pleated from one end to the other, means for securing one set of ends of said pleats in gathered relation, a tie member at said gathered set of ends, and means for detachably connecting the last pleat at one end of the sheet to the last pleat at the other end of the sheet in juxtaposed relation.

2. A combination fan and hat comprising a single sheet of flexible material transversely folded from one end to the other, the folds at one set of ends being secured adjacent one edge of the sheet in compressed relation, said folds normally occupying parallel relationship and being extensible to partially opened position to occupy diverging relationship from said secured ends and form a fan, and to fully opened position with the opposite ends of said sheet in juxtaposed parallel relation to form a substantially conical hat, and means for detachably securing the ends of said sheet in said latter position.

3. A conical beach hat comprising a conical structure defining a plurality of radial pleats, certain of said pleats having their lowermost fold edges serrated to prevent sliding movement of the structure on the head of a wearer.

4. A head covering comprising a sheet of material pleated transversely, means securing one set of ends of said pleats together in gathered relation at one edge only of said sheet, said pleated sheet being fanned about the secured ends of the pleats to bring the opposite ends of the sheet together to form a conical structure with said means disposed exteriorly thereof, means for securing the ends of the sheet together, and ties extending from said means through the apex of the structure to the interior thereof.

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