C. M. BAUM.

COLLAPSIBLE SUNSHADE FOR HATS AND THE LIKE.

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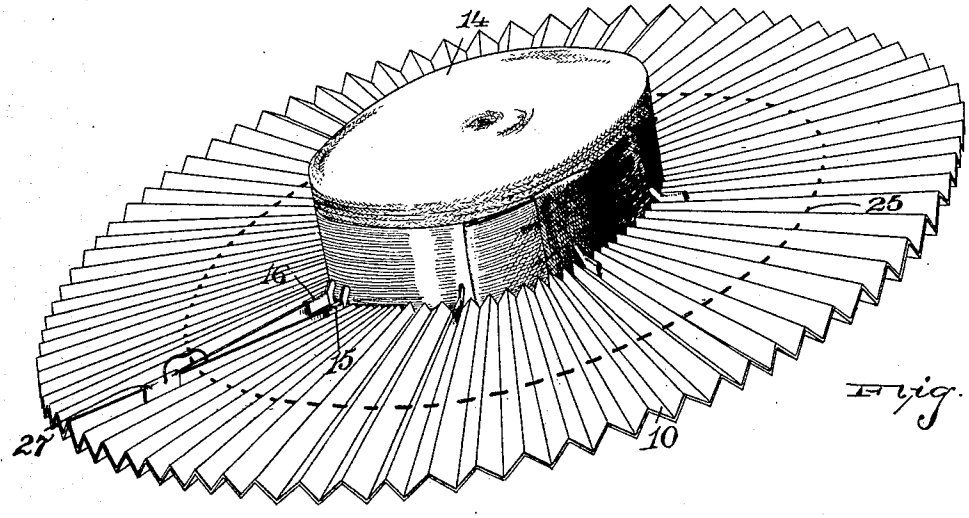


Fig. 1

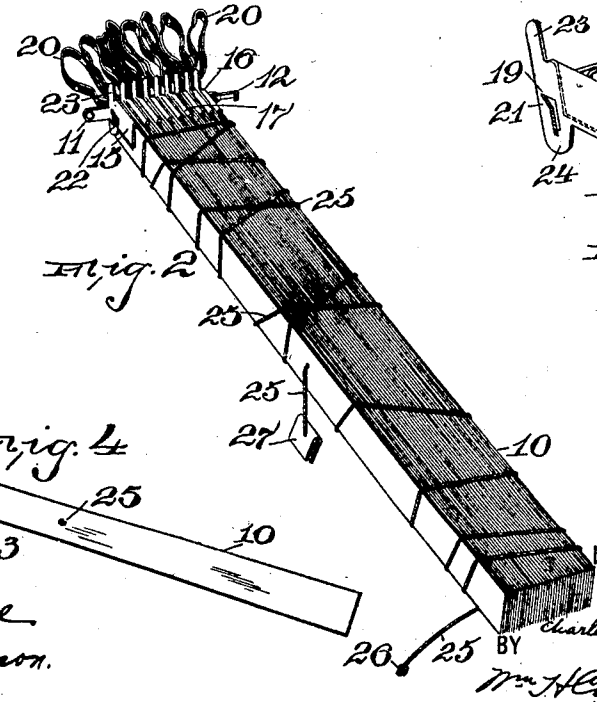


Fig. 2

Fig. 3

Fig. 4

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COLLAPSIBLE SUNSHADE FOR HATS AND THE LIKE.

No. 913,937. Specification of Letters Patent. Patented March 2, 1909.

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To all whom it may concern:

Be it known that I, CHARLES M. BAUM, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Collapsible Sunshades for Hats and the Like; 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, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

This invention relates to a collapsible sunshade that is adapted to be made of paper or a similar flexible material, which however is combined with stiffness enough to make it hold a given position, this shade being adapted to be set down around the crown of a hat and rest on the brim thereof, the shade thereby forming a ring which is adapted to fit different sizes of hats, simply by being placed thereon.

The invention is further designed to provide a shade of this kind which is formed of a strip of plaited material which makes it collapsible so that it will fit into a small space and at the same time permit its adjustable application to any hat, the invention being further provided with means for causing a contraction of the ring so that it will fit snugly against the crown of the hat.

The invention also is designed to provide a shade of this kind having means for permitting its quick assemblying in its collapsed position, which means, such as a string, can also be used to wind around the collapsible shade so as to cause it to retain its collapsed shape. Clips are supplied on one edge of the shade to bear against the crown of the hat, and are so disposed that any upward draft of air on the shade will be counteracted by the clips which bear on the crown of the hat above the level of the shade, and acting in conjunction with the elastic strip have a tendency to constantly keep the shade down in close contact with the hat brim.

The invention is illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of a hat equipped with my improved sun-shade. Fig. 2 is a perspective view of the shade when collapsed. Fig. 3 is a perspective view of one of the clips, and Fig. 4 is a section of a part of the crown and the brim of a hat and showing part of the shade and its clip in elevation.

The sun-shade is formed of a plaited strip of material 10, which plaits are preferably of the kind shown as accordion plaits. On the opposite ends of one edge of the accordion plaited strip 10 are the plates 11, carrying an eye on the end thereof, and a hook 12, and when this accordion plaited strip is placed against a hat crown 14 and rests on the brim 13, the hook and eye can be brought together so that the shade will form a ring. The plate 11 and the hook 12 are preferably attached to the plaited strip by means of the clips 15 and 16 respectively, which assume the position shown in Fig. 1 when the shade is in place. Placed at intervals along the inner edge of the shade are the clips 17 which, as will be hereinafter described, are adapted to bear against the hat crown so as to prevent the destruction of the edges of the paper or other similar material of which the strip is made. The clips 15, 16 and 17 are all supplied with the wings 18 which are integral therewith, and form means for receiving and grasping one of the plaits, and thus act to stiffen the whole structure.

Each of the clips 17 is supplied with an opening 19 as shown in Fig. 4, through which passes a strip 20, which strip is preferably made of elastic material and can be secured to the end clips by any well known means, such as placing knots in the end of the strip. The preferred means however is shown in Figs. 2 and 3 where the opening 19 in the end plates has the material 21 which is punched out of the hole 19 integral with the body of the clip so that one end of the elastic strip 20 can be passed through the opening 19 and then the leaf 21 can be forced back toward the opening 19 from which it came, and the ends 22 of the elastic strip are securely clenched as shown in Fig. 2. Each clip has a finger 23 which extends upwardly and outwardly so as to engage the sides of the hat crown as shown in Fig. 4, so that this finger pressing on the hat crown, and the elastic strip tending to bring the clips in toward the hat, cause a downward pressure on the sunshade which at all times keeps it snugly on the hat brim 13 and prevents it being permanently disarranged by the wind. The finger 23 of each clip is arranged at an angle to the body of the clip so that when the elastic strip 20 brings the edge of the finger up

close to the hat crown the plaited strip 10 will be inclined so that the ring forms a cone-shaped ring, and the ring rests on the edge of the hat brim. The strain of the elastic strip causes this cone-shaped ring to resist wind pressure from the bottom. Each clip has an ear 24 extending down from the wings 18 so as to protect the inner corner of the plaited strip. A cord or other flexible strand 25 passes through the plaits from one end to the other, and is preferably knotted as at 26 so as to prevent it passing entirely out of the strip 10, and on the other end is a clasp 27 which furnishes means for holding the outer edge of the ring, formed of the plaited strip 10, so as to keep the periphery of the ring complete. This cord acts as a binder for the sun-shade when it is collapsed as in Fig. 2. It has another purpose, and that is when the clip 27 is removed from the shade as shown in Fig. 1, one end of the strand 25 is grasped in one hand and run through a pair of fingers of the other hand, and in this way the plaits are placed in close juxtaposition and they assume the relation shown in Fig. 2.

This sun-shade is cheap to make and is complete and not easily disarranged from a hat. It also provides a shade that is quickly collapsed into a small compass and can be very readily carried in the pocket.

The plaited strip is preferably made of paper, although fabrics that are stiffened may be used, and I do not wish to be understood as limiting myself to paper in this construction.

Having thus described my invention, what I claim is:—

1. A collapsible sun-shade comprising a plaited strip of material, means on the ends of the strip for detachably securing the ends together to form a ring, a strand passing through the plaits and emerging from both ends of the strip, and a clasp on one end of the strand for detachably securing the outer edge of the opposite ends of the strip when the strip forms a ring.

2. A collapsible sun-shade comprising a plaited strip of material, a series of clips on one edge of the strip, an elastic strip passing through the clips and secured to the clips on the ends of the strip, coacting means on the end strips for detachably securing them together when the plaited strip is extended to form a ring, and a strand passing through the plaited strip and on which the plaits are adapted to be assembled when the sun-shade is collapsed.

3. A collapsible sun-shade comprising a plaited strip of material, a series of clips on one edge of the strip, fingers on the clips adapted to bear on the crown of a hat, each clip grasping a plait and the clips being perforated, an elastic band passing through the perforations of the clips and secured to the clips on the ends of the plaited strip, and means on the opposite ends of the plaited strip for detachably securing the ends together when the collapsible shade forms a ring.

4. A collapsible sun-shade comprising a plaited strip of material, a series of clips on one end of the strip, fingers on the clips adapted to bear on the crown of a hat, the clips being perforated, an elastic band passing through the perforations of the clips and secured to the clips on the ends of the plaited strip, means on the opposite ends of the plaited strip for detachably securing the ends together when the collapsible shade forms a ring, a strand passing through the plaits and emerging from the ends of the strip, and a clasp on one end of the strand for securing the plaits on the opposite ends of the strip to each other.

5. A collapsible shade comprising a strip of plaited material adapted to be extended to form a cone-shaped ring, clips arranged at intervals on the plaited strip, means on the clips for causing them to each grasp a plait and to dispose the ring to form a substantially cone-shaped structure with the plaited strip resting on the edge of the hat brim, and an elastic strip passing through the clips and forcing them in contact with the hat crown and also insuring the cone-shaped disposition of the ring.

6. A collapsible sun-shade comprising a plaited strip of material, a series of clips disposed along one edge of the strip, each clip comprising a pair of wings adapted to grasp a plait between them, a finger on each clip adapted to engage the hat brim, each clip being perforated, an elastic strand adapted to pass through the perforations of the clips and secured to the clips on the opposite ends of the strip, and a flexible strand passing through the plaits and on which the plaits are adapted to be assembled.

7. A collapsible sun-shade comprising a plaited strip of material, a series of clips on one edge of the strip, each clip comprising wings to grasp a plait between them, a finger on each strip having its inner edge arranged obliquely to the wings, each strip being perforated, a band passing through the perforations of the clips and secured to the clips on the ends of the plaited strip, means on the opposite ends of the plaited strips for detachably securing the ends together when the collapsible strip forms a ring, and a strand passing through the plaits and on which the plaits are adapted to be assembled.

In testimony that I claim the foregoing, I have hereunto set my hand this 4th day of August 1908.

CHARLES M. BAUM.

Witnesses:
WM. H. CAMFIELD,
M. JOHNSON.