Jan. 14, 1930. R. A. CONKLIN 1,743,432

COMBINED PAPER HEAD COVERING AND FAN

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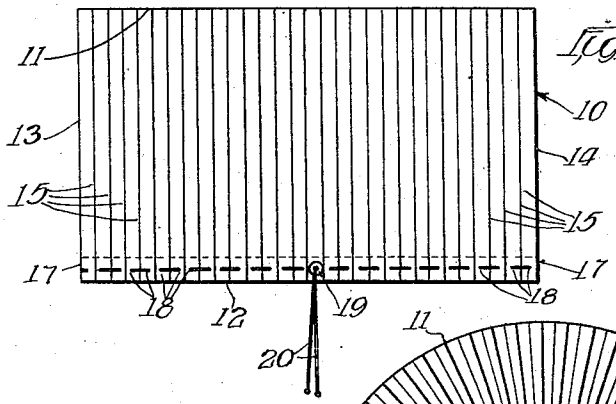


Fig. 1.

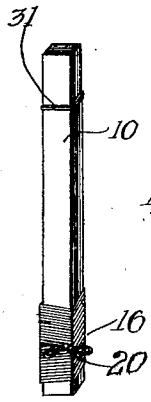


Fig. 3.

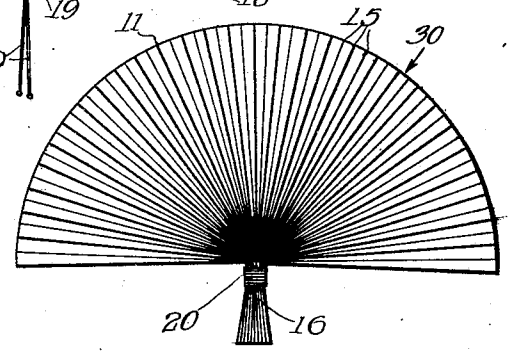


Fig. 2.

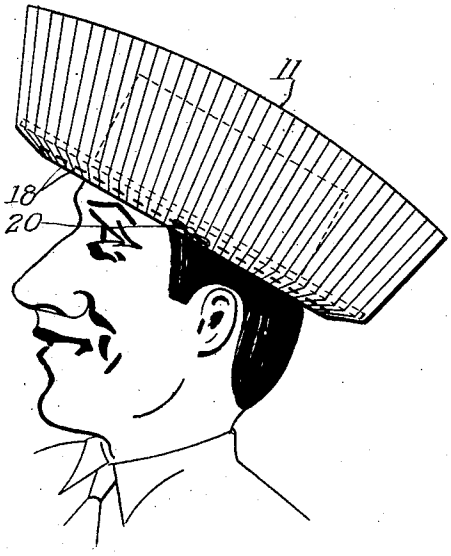


Fig. 4.

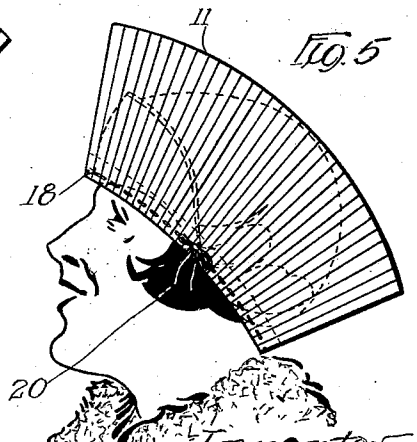


Fig. 5

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UNITED STATES PATENT OFFICE

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COMBINED PAPER HEAD COVERING AND FAN

Application filed January 14, 1929. Serial No. 332,285.

The invention relates to a novelty made of paper or analogous material into the form of a combined head covering or cap for the head and adapted to be used also without substantial modification as a fan.

The primary object of the invention is to provide an improved novelty which may be made cheaply from paper or analogous material and used as a head covering or head decoration, especially when made of decorated or highly colored or multi-colored material.

It is a further object of the invention to provide a paper novelty which may be made cheaply of highly colored or multi-colored paper stock for decorative effects and which may have combined utilitarian functions when used as a hand fan or as a head covering, and particularly for use as a covering or protective device for hats worn either by men or women.

Other objects of the invention will appear from the following description of the preferred embodiment of the same as depicted in the drawing, which forms a part of the specification, the novel features of the invention being set forth in the appended claims.

In the said drawings—

Fig. 1 is a plan view of the preferred form of the device.

Fig. 2 illustrates the device of Fig. 1 when it is given the form of a fan.

Fig. 3 is a perspective illustrative view designed to show the general appearance of the device in its most compactly folded form for transportation and distribution and when not in use either as a head covering or a fan.

Figs. 4 and 5, respectively, indicate the manner in which the device of Fig. 1 may be expanded into a head covering or a protective device adapted to go over the hat of a man as a protection therefor, as illustrated in Fig. 4, or used as a protecting device for the hat of a woman, as shown in Fig. 5.

The device of Fig. 1 is made of a sheet of paper of the rectangular form illustrated, the sheet being double the width, as shown in Fig. 1, and folded longitudinally along the median line so that the two thicknesses of material will coincide perfectly. This puts the paper or other flexible material in condition so that when folded along the lines of fold indicated by the drawings, Figs. 1 and 2, and also shown in Figs. 4 and 5, the device may be opened up at the bottom to be used as a covering for the hat of a man or woman. As illustrated in Fig. 1, it will be understood that the rectangular sheet shown and designated generally by the reference character 10, comprises two thicknesses of paper obtained by folding, preferably an integral sheet along the median line designated at 11, thus forming one of the side edges of the completed sheets, the reference character 12 designating the other of the longitudinal edges where the two edges of the original sheet are superimposed. 13 and 14 designate the respective ends of the doubled sheet. These ends will, when the sheet is folded along the parallel transverse lines of fold in the form of accordion pleating, the lines of fold being designated by the parallel lines 15, produce a fan, which may be expanded to a substantially semi-circumferential form, as illustrated in Fig. 2, the operator utilizing a portion of the unexpanded part, as designated at 16, Fig. 2, as a handle for the fan. Obviously, instead of folding an integral sheet along the line 11, the device may be made of two superimposed sheets of paper and pasted together, or otherwise secured along the longitudinal edge 11, which is intended to be the upper or top edge of the fan, when expanded to the semi-circular form, as illustrated in Fig. 2, or when expanded and utilized as a hat or head covering as shown in Figs. 4 and 5. The edges of the sheet, as designated at 13 and 14, will also be suitably fastened together as by pasting

or they may be sewed if the material used is of a form which would permit suitable stitching instead of pasting along the ends 13 and 14. The edges of the material where they coincide, as indicated at the bottom of the device in Fig. 1, indicated by 12, will be unsecured so that when it is considered that the two thicknesses will be secured together either integrally or by pasting or sewing along the line 11 and at the ends 13 and 14, the device will be seen to be in the form of a bag or cap that may be opened up. To protect the lower edges of the material, as indicated at 12, I prefer to add some sort of strengthening thickness, which might be a reinforcement of a tough, thin, flexible paper or even some cloth.

Where it is desirable to make the device up as a novelty, it will have a more or less temporary use, and under such circumstances, that portion which is designated at the lower edge of the device of Fig. 1 by reference character 17 may consist merely of two thicknesses of paper, that is, one thickness of the stock itself, and the additional reinforcing member, which may be on either side of the sheet. I preferably perforate each of the fluted parallel sections of the superimposed sheets as bounded by the lines of fold 15, these perforations being designated at 18 and extending through the paper stock, as well as through the reinforcing member.

At the middle of the bottom portion of the device I reinforce the perforation in one sheet as designated by reference character 19 in order to give this special strength. Then I thread a suitable string or cord 20 through the perforations 18 and through the perforated strengthening members 19 with the ends depending like the ends of a shoe lace, as shown in Fig. 1. In threading the cord 20 through the perforations 18, this should be done by threading the cord through the entire circumference of the device, both free ends passing outwardly through the perforated strengthening member 19. The work of threading the cord through the perforations 18 may be expedited by slightly separating the upper and lower sheets and folding the fluted parallel sections 15, which will cause the perforations 18 to register with each other. Then the process of folding the sheet which is opposed to the one having the strengthening portion 19 will cause the perforations therein to register and the end of the string may be passed therethrough, bringing it to the opposite end of the device, where the cord will be passed through the remaining perforations 18 alternately from one side to the other of the sheet in the manner illustrated in Fig. 1, when the free end of the cord being thus threaded will be finally drawn outwardly through the strengthening portion 19 with the two free ends of the cord projecting or depending therefrom in the manner indicated in Fig. 1.

It will be obvious that when the device is opened up like a bag or cap at the bottom, it may be caused to telescope over the head of the wearer or used according to my preferred mode of use as a protective covering for fragile hats of men or women, as straw hats of men and hats formed of delicate fabrics and materials used for the headwear of women. The draw cord 20, it will be seen, will furnish a convenient means for contracting the lower periphery of the cap-like device when it is in position over the exterior of a hat, and being formed of flexible paper, it may be drawn with any desired degree of tightness beneath the rim or lower periphery of the hat or other head covering in the manner illustrated in Figs. 4 and 5, and may be secured, if desired, by the tying of the free or depending ends of the cord 20. I prefer to use a good quality of water-proof or glazed paper in making the device, thereby rendering it substantially water-proof and increasing its value as a protector for the headwear of men and women.

It will be obvious that the device may also be used as a hat or cap for decorative purposes at various social functions where cheap paper head coverings are desired to be used.

When the device is carefully made in the manner indicated in Figs. 1, 2 and 3 by tying the ends of the cord 20, as indicated in Fig. 2, the cord may be utilized to hold the lower end of the folded body of the device in condition to form a handle so that the upper portion may be expanded to the substantially semi-circular or fan-like form, as indicated at 30 in Fig. 2.

The form of the device for transportation and distribution prior to usage is illustrated generally in perspective in Fig. 3 where the expansible end of the device designed to form the semi-circular portion of the fan may be held in position by an elastic band or other circumferential retaining device as designated by reference character 31. Whether the device be intended for use as a hat or head covering or to function as a fan, I prefer that the exterior surface of the sheets, particularly those portions thereof which are to be expanded into the semi-circular form, be suitably decorated with highly colored decorative figures.

The readiness with which the device may be converted from use as a fan to that of a temporary head covering is an important feature of the invention, since its use as a head covering will be seen to be of importance in protecting delicate headwear in cases of sudden precipitation of moisture and the compactness with which the device is initially distributed, as shown in Fig. 3, makes it possible to carry the device readily even in a pocket without inconvenience.

It should be observed that Fig. 3 is merely an illustrative perspective view intended to show the general appearance of the device when in the completely folded form for transportation and distribution, it being resolved into a package in the form of a parallelepiped, the adjustable ends of the cord permitting the lower end of the compact device to be wrapped so that the turns of the cord 20 may be disposed over a considerable portion of the lower end of the package, thus forming a convenient handle portion when the device is intended to be used as a fan, since that portion of the device above the wrapped handle portion may be readily expanded to the semi-circular form or to any desired degree in the form of a sector of a circle after the removal of the retaining device 31. The view in Fig. 3 is intended to represent only the compactly folded parallelepiped form of the device and this view is not intended accurately to represent the thickness or number of the combined folds of the accordion pleating, which obviously, will have half the total number of parallel sections as bounded by the lines of fold 15.

In Fig. 2 is also shown a slightly modified form of wrapping the handle portion 16 by the cord 20, the turns or convolutions of the cord being brought more closely together near the upper end of the designated handle portion, thus leaving the lower part of the handle portion unwrapped for part of its length and free to slightly expand, due to the inherent elastic tendency of the material to expand slightly where not confined by the convolutions of the cord. Obviously, therefore, the device may be expanded to the fan-like from the general form of the package shown in Fig. 3 by the removal of the band 31 and expanding that portion thereof to the approximately semi-circular form above the wrapping of the cord 20, the handle then being substantially as illustrated in Fig. 3, or, if desired, the user may, before expanding to the fan-like form, arrange the turns of the cord 20 and retie the same to procure the handle effect with the slightly expanded lower end as shown in Fig. 2.

What I claim as my invention and desire to secure by Letters Patent is:

1. A device formed of two thicknesses of thin flexible material of substantially rectangular form, each of the two thicknesses of the material being substantially co-extensive and being united along the two lateral edges and along one longitudinal edge to form a structure capable of being opened into a bag-like head or hat covering, each of the two thicknesses of the material in the closed position being creased along parallel lines of fold extending at right angles to the open side of the device, and a draw string extending peripherally around the edges of the material at the side thereof where the material is not united, whereby the opening in the device when expanded to the form of a bag may be suitably adjusted upon the head or hat of a wearer.

2. A device formed of two thicknesses of thin flexible material of substantially rectangular form, each of the two thicknesses of the material being substantially co-extensive and being united along the two parallel lateral edges and along one longitudinal edge to form a structure capable of being opened into a bag-like head or hat covering, each of the superposed thicknesses of the material in the closed position being creased along parallel lines of fold extending at right angles to the open side of the device, whereby the device is capable of being opened into a bag-like form to serve as a hat or head covering or when pleated along said lines of fold the device may have the major portion thereof expanded to form a fan.

3. A device formed of two thicknesses of thin flexible material of substantially rectangular form, each of the two thicknesses of the material being substantially co-extensive and being united along the two parallel lateral edges and along one longitudinal edge to form a structure capable of being opened into a bag-like head or hat covering, each of the superposed thicknesses of the material in the closed position being creased along parallel lines of fold extending at right angles to the open side of the device, whereby the device is capable of being opened into a bag-like form to serve as a hat or head covering or when pleated along said lines of fold the device may have the major portion thereof expanded to form a fan, and a draw string extending peripherally around the edges of the material at the side thereof where the material is not united, whereby the openings in the device when expanded to the form of a bag may be suitably adjusted and secured upon the head or hat of a wearer, said draw string also having sufficient depending lengths at the extremities thereof to serve as a means for tying the folded pleated ends of the device adjacent the normal open side thereof to form a handle for the device when expanded into the form of a fan as described.

4. A device formed of two thicknesses of paper of substantially rectangular form, each of the two thicknesses of the paper being substantially co-extensive and being united along the two lateral edges and along one longitudinal edge to form a structure capable of being opened into a bag-like head or hat covering, each of the thicknesses of the paper in the closed position being creased along parallel lines of fold extending at right angles to the open side of the device to form pleats, each of said pleated sections being perforated, and a draw string extending peripherally around the edges of the material at the side thereof where the material is not

united and being threaded through said perforations whereby the opening in the device when expanded to form a bag may be suitably controlled for adjustment upon the head or hat of a wearer.

5. A device formed of two thicknesses of paper of substantially rectangular form, each of the two thicknesses of the paper being substantially co-extensive and being united along the two lateral edges and along one longitudinal edge to form a structure capable of being opened into a bag-like head or hat covering, each of the thicknesses of the paper in the closed position being creased along parallel lines of fold extending at right angles to the open side of the device to form pleats, each of said pleated sections being perforated, and a draw string extending peripheraly around the edges of the material at the side thereof where the material is not united and being threaded through said perforations whereby the opening in the device when expanded to form a bag may be suitably controlled for adjustment upon the head or hat of a wearer, the said draw string being extended at its extremities to form protruding lengths for tying the pleated and folded end of the device adjacent the open side thereof for securement in transportation or to form a suitable handle when a portion of the device is expanded to a fan-like form.

6. A device formed of two thicknesses of water-proof paper of substantially rectangular form, each of the two thicknesses of the paper being substantially co-extensive and being united along the two lateral edges and along one longitudinal edge to form a structure capable of being opened into a bag-like head or hat covering, a reinforcing strip secured peripherally around the device at the longitudinal edge thereof which is capable of being opened, each of the thicknesses of the material in the closed position including the reinforcing strip being creased along parallel lines of fold extended at right angles to the open side of the device, the pleated rectangular sections of the device being perforated at the reinforced edges of the device, and a draw-string extending peripheraly around the reinforced edges of the material and being threaded through certain perforations whereby the opening in the device when expanded to the form of a bag may be suitably adjusted upon the head or hat of a wearer.

7. A device formed of two thicknesses of water-proof paper of substantially rectangular form, each of the two thicknesses of the paper being substantially co-extensive and being united along the two lateral edges and along one longitudinal edge to form a structure capable of being opened into a bag-like head or hat covering, a reinforcing strip secured peripherally around the device at the longitudinal edge thereof which is capable of being opened, each of the thicknesses of the material in the closed position including the reinforcing strip being creased along parallel lines of fold extended at right angles to the open side of the device, the pleated rectangular sections of the device being perforated at the reinforced edges of the device, and a draw-string extending peripherally around the reinforced edges of the material and being threaded through certain perforations whereby the opening in the device when expanded to the form of a bag may be suitably adjusted upon the head or hat of a wearer, the said draw-string being extended at its extremities to form protruding lengths for tying the pleated and folded end of the device adjacent the open side thereof for securement in transportation or to form a suitable handle when a portion of the device is expanded to a fan-like form.

8. A device formed of two thicknesses of thin flexible water-proof material of substantially rectangular form, each of the two thicknesses of the material being substantially co-extensive and being united along the two lateral edges and along one longitudinal edge to form a structure capable of being opened into a bag-like head or hat covering, each of the two thicknesses of the material in the closed position being creased along parallel lines of fold extending at right angles to the open side of the device, and a draw-string extending peripherally around the edges of the material at the side thereof where the material is not united, whereby the opening in the device when expanded to the form of a bag may be suitably adjusted upon the head or hat of a wearer.

9. A device formed of two thicknesses of thin flexible water-proof material of substantially rectangular form, each of the two thicknesses of the material being substantially co-extensive and being united along the two lateral edges and along one longitudinal edge to form a structure capable of being opened into a bag-like head or hat covering, each of the superposed thicknesses of the material in closed position being creased along parallel lines of fold extendng at right angles to the open side of the device, a supplemental strengthening thickness of material secured to the longitudinal edges of the material at the side where the material is not united, the material including the strengthening material in each of the pleated rectangular sections adjacent the normal open side of the device being perforated, a draw-string extending peripherally along the edges of the material and being inserted through said perforations whereby the opening in the device when expanded to form a bag may be suitably adjusted upon the head or hat of a wearer, there being depending ends formed at the extremities of said draw-string whereby the device in a folded form may be secured together for transportation and the end there-

of adjacent the normally open side may be secured to form the handle of a fan when a portion of the body of the device is expanded into a fan-like form, and supplemental strengthening means secured to the material immediately surrounding the perforations where the free depending ends of the drawstring pass therefrom.

In testimony whereof I have signed my name to this specification, on this 7th day of December A. D. 1928.

ROSCOE A. CONKLIN.