

July 27, 1954

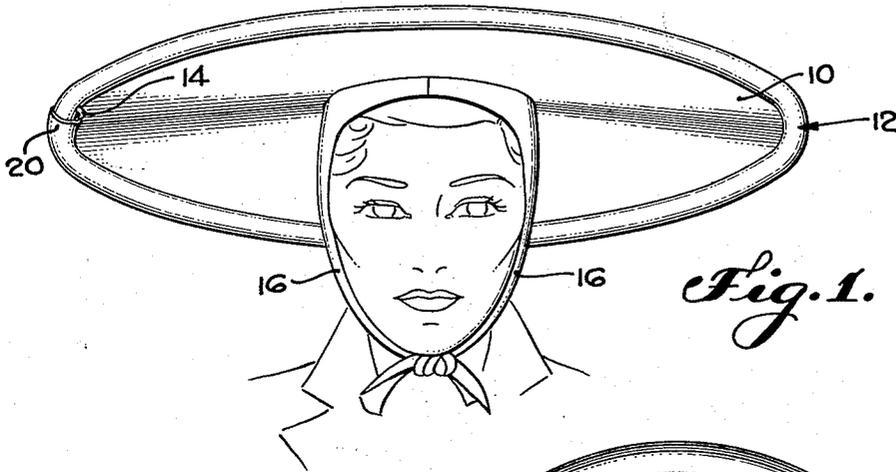
J. P. KWAKE

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UMBRELLA HAT

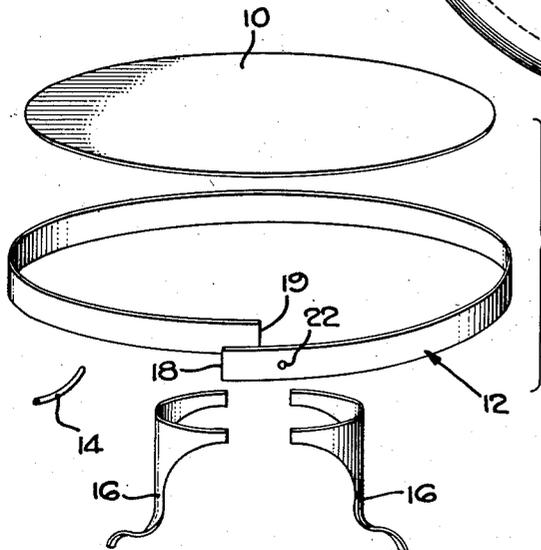
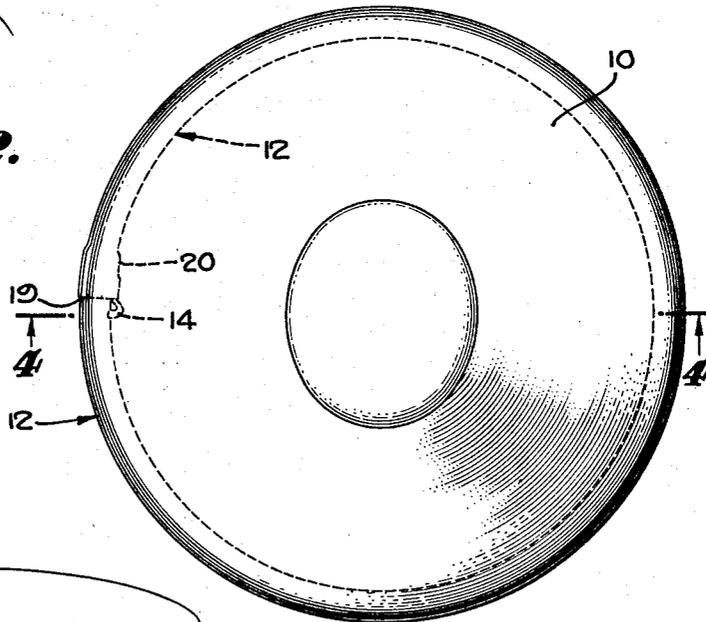
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*Fig. 1.*

*Fig. 2.*



*Fig. 3.*

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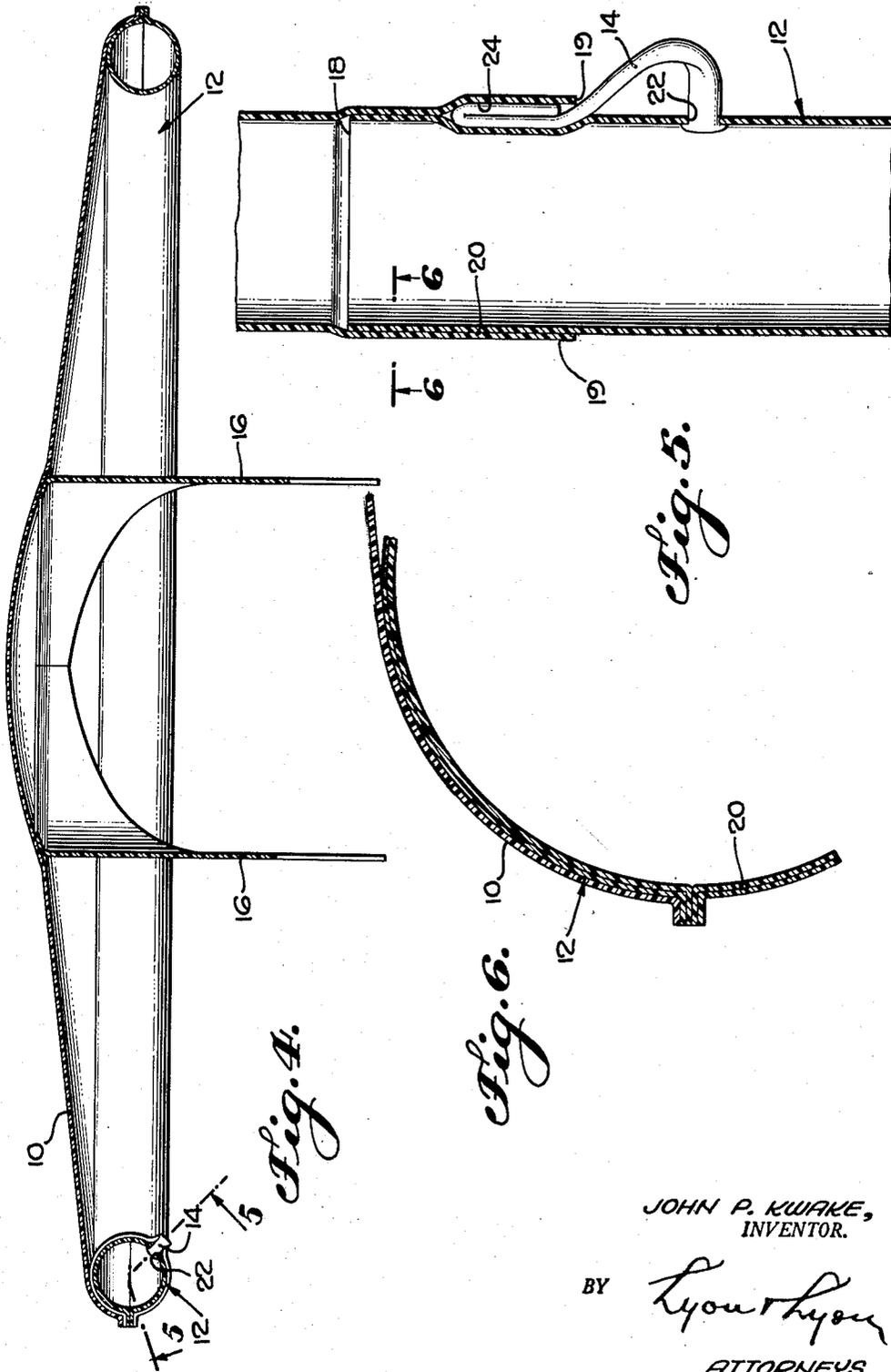
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*Fig. 5.*

*Fig. 6.*

*Fig. 4.*

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# UNITED STATES PATENT OFFICE

2,684,483

## UMBRELLA HAT

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Application January 27, 1950, Serial No. 140,805

5 Claims. (Cl. 2-177)

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This invention relates to protective coverings and particularly to a hat structure adaptable for use as a covering to protect the wearer from rain, sleet, snow, and the like.

From time immemorial those exposed to rain and the like have relied for protection from the elements on various types of clothing, such as hats and head coverings of various types. While such devices serve a certain purpose, they are usually inadequate for complete protection inasmuch as they are not constructed to provide a surface covering the entire body and, moreover, permit the said rain to impinge upon the face, the neck and other portions of the body. In order to obviate this condition, it has likewise been customary to use umbrellas, parasols, and the like, which provide such a broad protective surface but have the disadvantage of being bulky, of being separate articles requiring separate handling, and of being subject to being lost, misplaced, or otherwise unavailable when use is desired.

To provide at the same time an article of wearing apparel not ordinarily subject to being lost, but having a broad protective surface for protection from the elements, it has been suggested in the past that the features of hats or head coverings be combined with the features of the umbrella. However, such attempts have had little practical success, inasmuch as such contrivances are either too bulky to be worn as a hat, or, if not, too inadequate in serving as a protection from the elements.

Consequently, it is the object of this invention to provide a combined hat and umbrella having a large protective surface but still light and comfortable for use as an article of wearing apparel.

Again it is the object of the invention to provide such a combined hat and umbrella which, when not in use, can be reduced to a rolled-up compact article, easily carried in the purse or the pocket as a small compact article of goods offering a minimum of inconvenience to the carrier.

Further it is the object of this invention to provide such a combination hat and umbrella which is simply converted from its rolled-up carried condition to its operable state.

It is yet another object of this invention to provide the aforesaid article with means adapting it to simple affixation to the head, in order that it may adhere thereto and not become inadvertently removed by wind, bumping, or in other accidental manner.

Further objects of the invention will appear hereinafter.

In the drawings:

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Figure 1 shows a perspective view of the invention as worn;

Figure 2 shows a top plan view of the article in extended position;

Figure 3 shows an exploded view of the elements of the article in unassembled condition;

Figure 4 shows a sectional view of the article taken on the line 4-4 of Figure 2;

Figure 5 shows a section of a portion of the article taken on the line 5-5 of Figure 4; and

Figure 6 shows an enlarged sectional view of a portion of the article taken on the line 6-6 of Figure 5, showing, however, the joining together of portions of the article in solid line.

Referring to the drawings, the combined hat and umbrella of the instant invention is preferably constructed of plastic film, which is a well-known material occupying little volume and easily adaptable for rolling up into a small package for carrying or storing. It will be understood, however, that the article might likewise be composed partially of plastic film and partially of rubberized material or, indeed, portions of the article may be composed of waterproofed fabric.

Figure 1 shows the article in its extended condition as used by the wearer for protection against the elements. It comprises a body portion 10, an inflated tube 12, shown in Figure 3 as a flat blank prior to assembly of the article, a valve stem 14, and strap ties 16 which are tied beneath the wearer's chin to secure the article to the head.

In the preferred embodiment, the body portion 10 is comprised of a flat piece of plastic film. The tube 12 likewise comprises a flat piece of plastic strip or plastic film. The valve stem 14 should preferably be of heavier plastic or perhaps even rubber, in order that the walls thereof may be adaptable for aiding inflation. And, finally, the strap ties 16 are again of plastic film cut to shape.

In the assembly of the device, the respective ends 18 and 19 of the tube strip 12 are sealed together with an overlap 20 of approximately two inches. Such sealing may be accomplished by conventional heat treating methods, and thereafter the valve stem 14 is sealed onto the tube strip 12, an orifice 22 being, of course, provided through the said tube strip 12. Thereafter, the tube is sealed along its edges to provide an endless inflatable tube having a valve stem pocket 24. Said tube is sealed to the periphery of the body portion 10, as shown in Figure 4, and the strap ties are likewise sealed to said body portion by conventional heat treating methods in such

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manner as to permit sufficient room to cover a conventional hat but at the same time provide adequate support to prevent the article from wobbling or from becoming inadvertently dislodged from the head.

It will be readily perceived that such an article is easily rolled up and placed within the purse or pocket. When it is desired to use said article, it is withdrawn and through use of the valve stem 14, the tube 12 is inflated by the user. Inflation of said tube will extend and stiffen the tube, spreading out the body portion 10 to a considerable protective cross-sectional area. The valve stem is then twisted and its extremity tucked into the valve stem pocket 24, whereupon the tube 12 remains inflated and the body portion 10 extended without further attention. The article is placed on the head and the extremities of the strap 16 tied to secure said article firmly.

While there has been described what is at present considered a preferred embodiment of the present invention, it will be apparent to those skilled in the art that various modifications and changes may be made without departing from the essence of the invention, and it is intended to cover herein all such modifications and changes as come within the true scope and spirit of the appended claims.

I claim:

1. A weather protective head covering comprising: a thin flat unitary flexible solid body portion; a flexible tube secured to and extending about the periphery of said body portion, said tube being inflatable and when inflated forming a stiffening member maintaining said body portion substantially flat, the ends of said tube being secured in overlapping relation whereby to provide a pocket at their juncture; a valve stem secured to said tube adjacent said pocket and providing air ingress into said tube, the extremity of said valve stem being adapted to be tucked into said pocket; and securing elements affixed to and depending from said body portion inwardly of said periphery and adapted to secure said head covering to the head of the wearer.

2. A weather protective head covering comprising: a thin flat unitary flexible solid body portion; a flexible tube secured to and extending about the periphery of said body portion, said tube being inflatable and when inflated forming a stiffening member maintaining said body portion substantially flat to provide protective means for covering the head of the wearer; and securing elements affixed to and depending from said body portion inwardly of said periphery and

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adapted to secure said head covering to the head of the wearer.

3. A weather protective head covering comprising: a thin flat unitary flexible solid body portion; a flexible tube secured to and extending about the periphery of said body portion, said tube being inflatable and when inflated forming a stiffening member maintaining said body portion substantially flat to provide protective means for covering the head of the wearer; and a pair of strap ties affixed to and depending from said body portion inwardly of said periphery and adapted to secure said head covering to the head of the wearer.

4. A weather protective head covering comprising: a thin flat unitary flexible solid body portion; a flexible tube secured to and extending about the periphery of said body portion, said tube being inflatable and when inflated forming a stiffening member adapted to be disposed radially outwardly of and spaced from the head of the wearer to maintain said body portion substantially flat in protective relation to the head of the wearer; and means affixed to and depending from said body portion inwardly of said periphery and adapted to secure said head covering to the head of the wearer.

5. A weather protective head covering comprising: a thin flat unitary flexible solid body portion; a flexible tube secured to and extending about the periphery of said body portion, said tube being inflatable and when inflated adapted to be disposed radially outwardly of and spaced from the head of the wearer to form a stiffening member maintaining said body portion substantially flat in protective relation to the head of the wearer, the ends of said tube being secured in overlapping relation whereby to provide a pocket at their juncture; a valve stem secured to said tube adjacent said pocket and providing air ingress into said tube, the extremity of said valve stem being adapted to be tucked into said pocket; and means affixed to and depending from said body portion inwardly of said periphery and adapted to secure said head covering to the head of the wearer.

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