

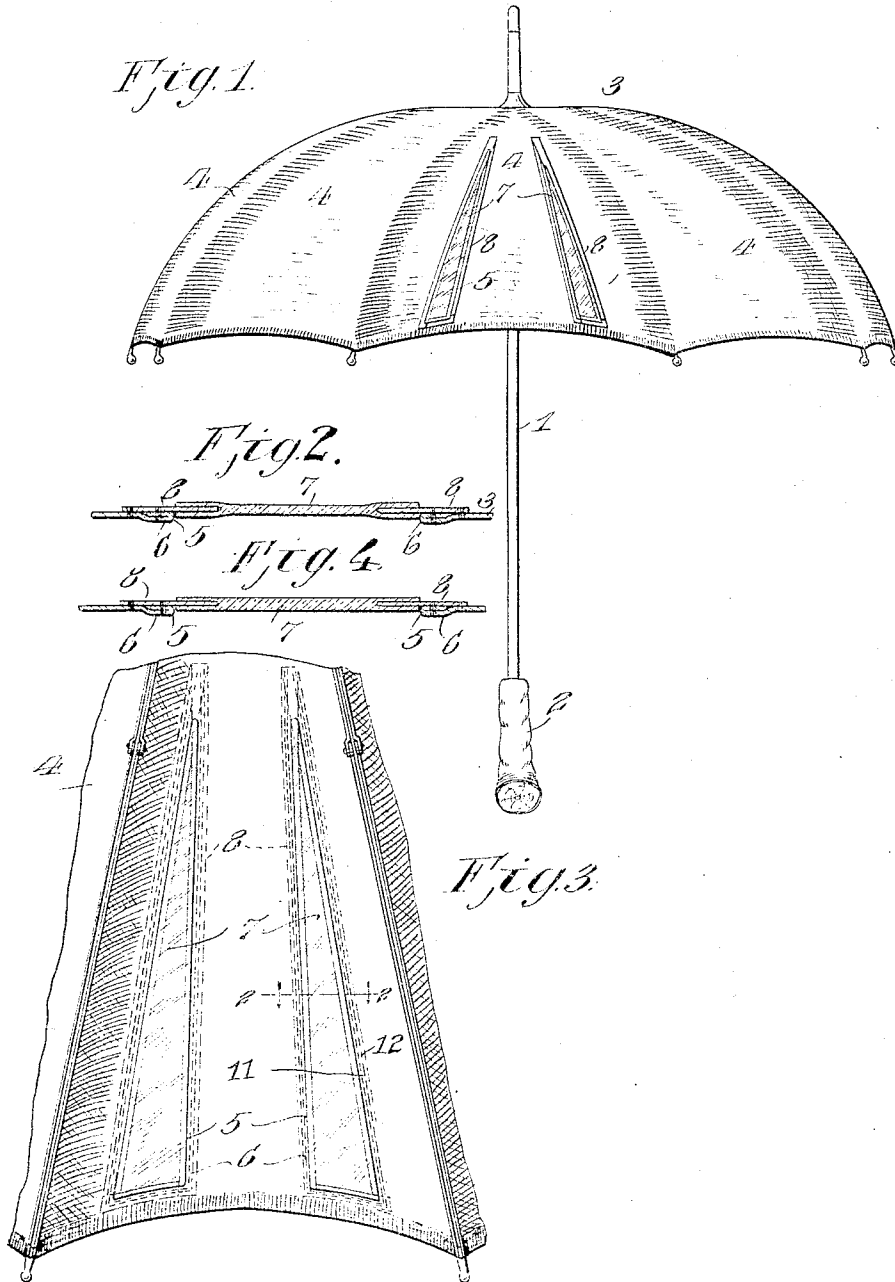
T. K. BERNTSON.

UMBRELLA.

APPLICATION FILED MAR. 2, 1912.

1,039,636.

Patented Sept. 24, 1912.



Witnesses
Frank Lough
K. Allen

Inventor
Thomas K. Berntson,

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

THOMAS K. BERTSON, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR OF ONE-FOURTH TO WILLIAM A. KIMMEL, OF WASHINGTON, DISTRICT OF COLUMBIA.

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1,039,636.

Specification of Letters Patent.

Patented Sept. 24, 1912.

Application filed March 2, 1912. Serial No. 681,093.

To all whom it may concern:

Be it known that I, THOMAS K. BERTSON, a citizen of the United States, residing at Washington, in the District of Columbia, have invented new and useful Improvements in Umbrellas, of which the following is a specification:

The invention relates to an improvement in umbrellas, and more particularly to the provision of sight openings in one or more of the cover panels.

The main object of the present invention is the provision of sight openings, one or more, in a panel of the umbrella cover, whereby to permit unobstructed vision of the user in any particular desired direction, when the umbrella is held in such position as, in the usual type of this article, to interfere with the vision of the user.

Another object of the invention is the constructing of a transparent panel or section for securing in the cover in such manner as to permit a convenient and ready assemblage, without interfering with the usual folding and rolling of the umbrella, and at the same time rendering the connection water tight.

The invention in the preferred form of details will be described in the following specification, reference being had particularly to the accompanying drawings, in which:

Figure 1 is a side elevation of an umbrella constructed in accordance with the invention, the same being shown raised. Fig. 2 is an enlarged fragmentary sectional view through the cover and one transparent panel thereon. Fig. 3 is a fragmentary plan view of the cover of the umbrella looking toward the inner side thereof. Fig. 4 is a similar view showing a modification of the invention.

In the accompanying drawings, and with particular reference to the same by numerals, the umbrella is of the usual type in all respects other than in the particular improvement, generally including a rod 1, handle 2, and cover 3 made up of the usual panels 4 connected together.

In providing the present improvement, one of the panels 4 is, at spaced points, cut out to provide an elongated substantially triangular opening, at 5, the edges of which are folded upon themselves to provide reinforced edges 6 for the usual purpose. Se-

cured in the opening thus provided is a transparent member 7, preferably of celluloid or similar material, which, while transparent, is capable of flexible movement to provide for folding and rolling of the umbrella, without breakage of such sections.

It has been well known heretofore to provide peep holes in umbrella covers, and protect said holes with transparent sections, and the present improvement is directed more particularly to the manner in which the transparent sections are prepared, so that they may be secured in position in the opening provided in the cover, without difficulty, and in manner to avoid undue thickness of material at the junction. To this end, and referring now particularly to Fig. 2, the transparent section is constructed by providing two comparatively thin sheets of celluloid which, while in a warm or glutinous state, are pressed together to form a unitary section. Prior, however, to the completion of the section in this manner, there is disposed between the marginal edges of the celluloid strips a tape-like length of fabric 8, preferably, of course, of a material corresponding in texture and color to that of the umbrella for which the transparent section is designed. There is thus provided a transparent section having in effect an integral part thereof a tape or fabric projecting from the transparent material beyond and throughout the marginal edge thereof.

In Fig. 4, the panel is constructed in a manner similar to that previously described, except that in this instance the transparent material is of uniform thickness throughout, while in that previously described, that portion of the transparent material inwardly beyond the tape edge is of less thickness than the remaining portion.

The transparent section thus prepared is united to the marginal edge of the opening 5 by preferably a double line of stitching 11 and 12, the latter passing through the reinforced edge 6 of the opening, and the former being arranged remote from such edge. An even comparatively flat joining is thus provided, which in nowise adds to the bulk of the umbrella when the same is folded or rolled.

It will be noted that the panels are of elongated triangular form and extend to practically the reinforced edge of the cover

panel. This provides for a sight opening in practically any and all positions of the umbrella, and by arranging such transparent sections in spaced relation provides greater
5 convenience and facility in their use. Again, and as a matter of convenience, it will be noted that in umbrellas having a crooked handle, the transparent sections are
10 disposed in the rearmost panel in the direction in which the crook or offset of the handle extends. By this particular arrangement, the umbrella, when held naturally when open, arranges the transparent sections in front, while when closed and carried
15 in the natural manner, said transparent sections are in rear and therefore practically concealed from observation, even though the umbrella is not rolled.

The shape of the sections provides for a
20 convenient rolling of the umbrella, without interference from the sections, which result

is further added to by arranging the transparent sections on opposite sides of the median line of the cover panel, so that the natural fold of the panel, which is along
25 this line, is not interfered with by the sections.

What is claimed is:

As an article of manufacture, a transparent section for an umbrella cover, comprising a transparent strip having a fabric
30 section embedded in the marginal edge thereof in the formation of such strip, said fabric section extending throughout and projecting outwardly beyond said marginal
35 edge.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS K. BERNTSON.

Witnesses:

E. EDMONSTON, Jr.,
D. W. GOULD.