

G. R. LIVERGOOD.
UMBRELLA WINDOW.
APPLICATION FILED DEC. 14, 1908.

928,774.

Patented July 20, 1909.

FIG. 1.

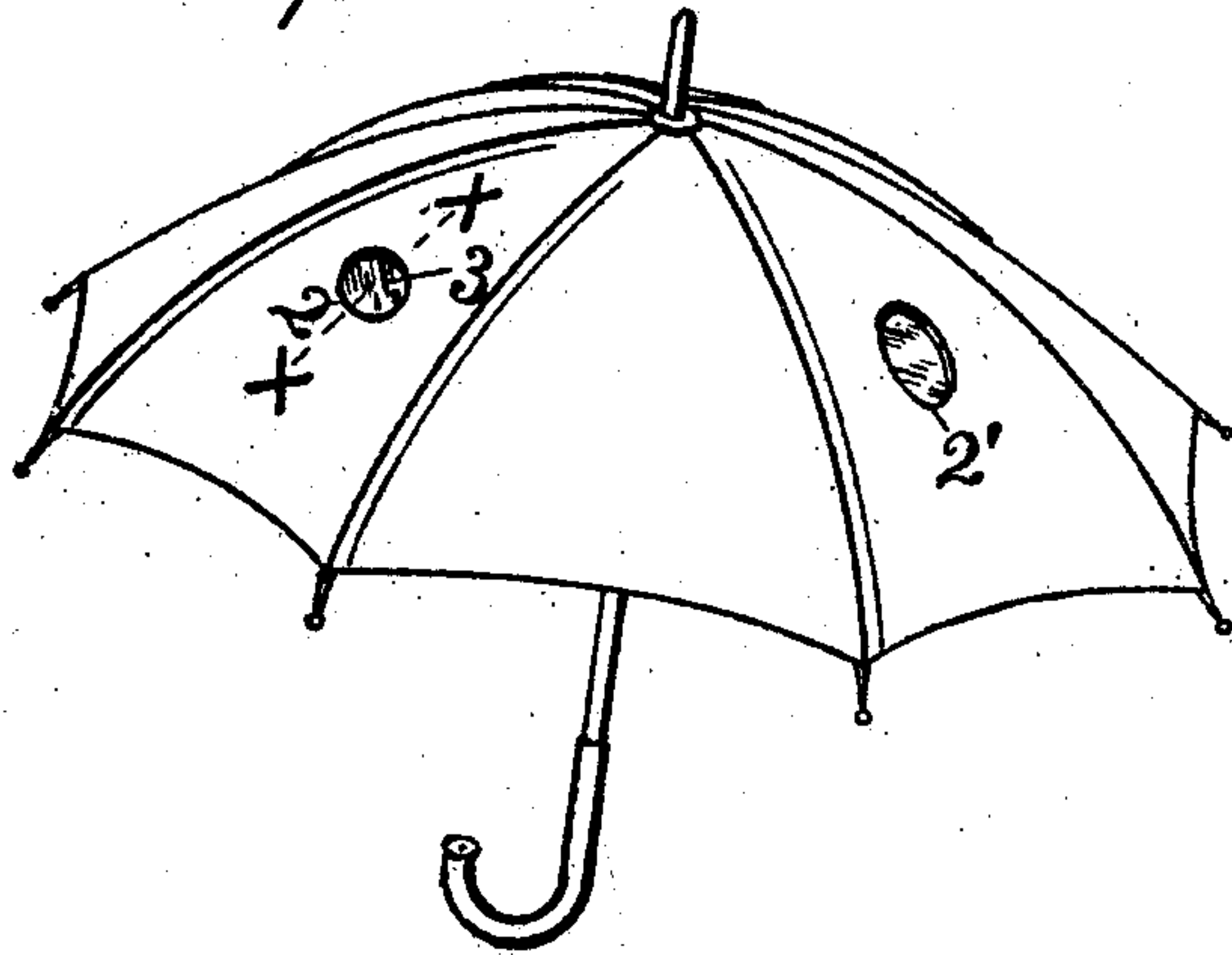


FIG. 2.

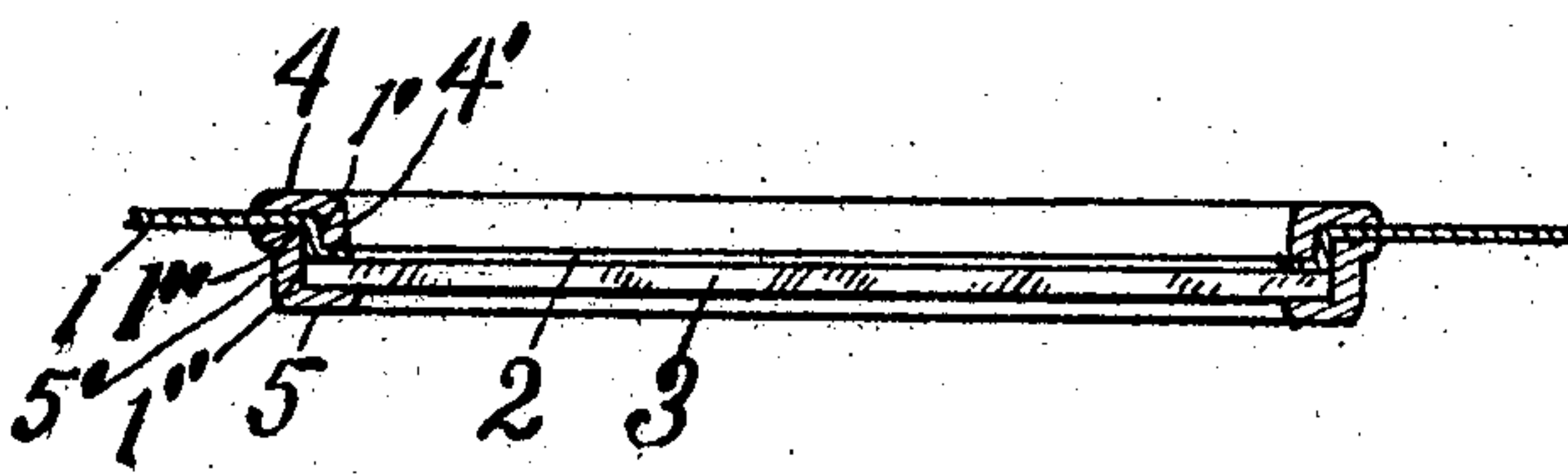
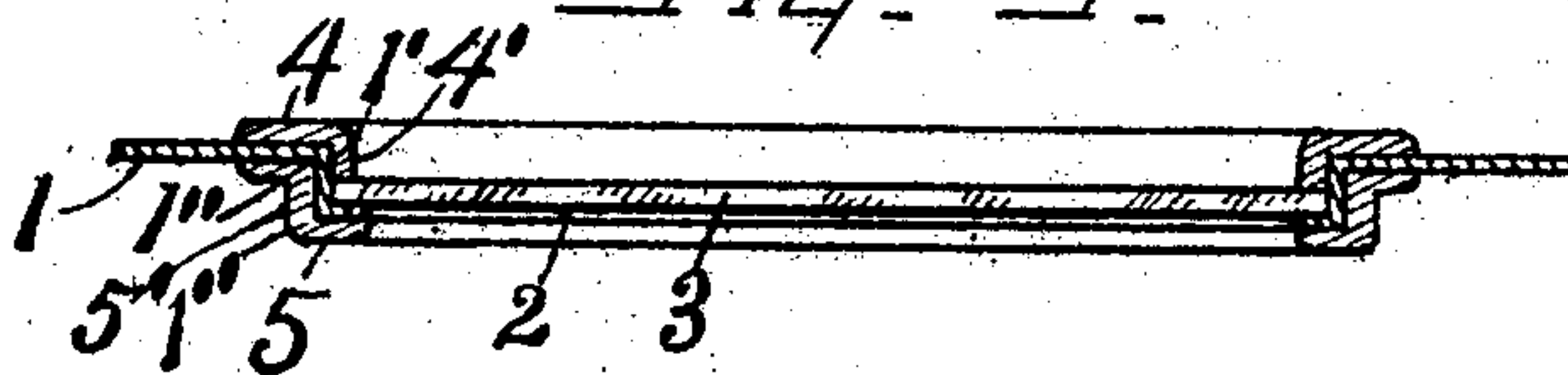


FIG. 3.



WITNESSES:
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UNITED STATES PATENT OFFICE.

GERALD R. LIVERGOOD, OF ST. JOSEPH, MISSOURI, ASSIGNOR OF ONE-HALF TO VICTOR C. SOMMER, OF ST. JOSEPH, MISSOURI.

UMBRELLA-WINDOW.

No. 928,774.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed December 14, 1908. Serial No. 467,484.

To all whom it may concern:

Be it known that I, GERALD R. LIVERGOOD, a citizen of the United States, residing at St. Joseph, in the county of Buchanan and State of Missouri, have invented certain new and useful Improvements in Umbrella-Windows, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in umbrella windows, the objects of which are, to provide a transparent pane of any desired shape, and securing means for securing said pane to the cover of any ordinary parasol or umbrella, through which the user thereof may see, and thereby avoid collision with objects or other persons; or take observation of other persons, without thereby attracting attention to said user.

Further objects, are to so construct an umbrella window, that it may readily be applied to either the fabric used in the manufacture of umbrella covers, or to the covers of umbrellas, now in use; be weather-proof, substantial, durable, and not at all liable to be injured by the rough usage to which umbrellas and parasols are usually subjected, and readily fold with said cover.

I attain these objects by the devices illustrated in the accompanying drawing, in which:—

Figure 1, is a perspective view of an umbrella, showing two windows of different shapes therein, ready for use. Fig. 2 is an enlarged vertical section, on the line X X, seen in Fig. 1. Fig. 3, is a section, similar to Fig. 2, showing a different arrangement of parts.

Referring to Fig. 2, my invention comprises the flat transparent pane 3, formed preferably of celluloid, but the same may be either absolutely transparent, or be stained any desired color; the upper part 4, having the downwardly projecting concentric ring 4'; formed therewith, and the lower part 5, provided with the upwardly projecting concentric ring 5' formed therewith; said parts and their rings being preferably formed of pliable or semi-elastic material, such as leather, vulcanized rubber and the like. The inner periphery of ring 5' and the outer periphery of ring 4' are made of such diameters, as will form a snug fit, when telescoped together, with the portion 1' of cover 1, of an umbrella between said peripheries.

In the application of my invention to cover 1, any good cement (not shown,) composed of such ingredients as will withstand the action of water, and will not become friable when thoroughly set, is applied to the outer surface of ring 4', to the inner surface of ring 5', to both surfaces of portion 1' of the cover 1, and to the contacting edge portion of pane 3. Pane 3 is placed on part 5, in ring 5' and said part and pane are placed in the desired position, under cover 1. The location of same is made visible on the upper surface of cover 1, by pressure of the operator's hand, or other flexible object thereon, thereby creasing said cover over ring 5'. Part 4 is guided to proper position, on said crease, on said cover, after which ring 4' is telescoped into ring 5', by pressure applied on part 4, thereby pushing portion 1' of cover 1 to the position seen in Fig. 2, after which opening 2 is cut in cover 1, by the use of any ordinary edge tool, not shown.

Parts 4 and 5 and their concentric rings 4' and 5', and the pane 3 and opening 2 may be either annular, as seen at 2, in Fig. 1 or they may be square, triangular, or oval as indicated at 2' in the same figure, or any other shape, suitable to form a window in cover 1, and are of such dimensions and thickness, as will readily fold in with the folds of cover 1, of an ordinary parasol or umbrella, when the same is folded.

It will be seen and understood that the angles or bends 1'', in cover 1, as seen in Fig. 2, prevent the portion 1' of said cover, from being withdrawn from between rings 4' and 5', by the tension of said cover, when the umbrella is opened to the position, seen in Fig. 1, and that the described parts will be neat in appearance, and provide ready means for enabling the user thereof, to see objects and persons therethrough.

While I have described and shown the application of my invention to cover 1, as seen in Fig. 2, it is evident that the pane 3 could be placed on cover 1, as seen in Fig. 3, without departing from the spirit of my invention, which I reserve the right to do.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In an umbrella window, the combination with the cover of an umbrella, parasol and the like, having an opening therethrough, of

suitable size and shape, to form a window therein; of a pliable lower part, beneath said cover, and in register with said opening said lower part being provided with an upwardly projecting concentric ring, formed integral therewith; a flat, pliable transparent pane on said lower part and in said ring thereof; a pliable upper part, on said cover, said upper part being provided with a downwardly projecting ring formed therewith; said ring being telescoped into said upwardly projecting ring, with that portion of said cover which surrounds the edge of said opening, held between the outer surface of said downwardly projecting ring, and the inner surface of said upwardly projecting ring, said surfaces of said rings, said held portion of said cover and the edge portion of said pane, being adapted to have cement applied thereon, for securing said pane, said parts and their respective rings to said cover.

2. In an umbrella window, the combination with the cover of an umbrella, having an opening therethrough, of suitable size and shape to form a window therein, of a flat pliable stained pane, on said cover and

closing said opening; a pliable part beneath said cover and pane, said part being provided with an upwardly projecting concentric ring, formed integral therewith holding said pane in place therein; an upper pliable part, on said cover, said upper part being provided with a downwardly projecting concentric ring formed therewith and telescoped into said upwardly projecting ring, with the portion of said cover surrounding said opening, held between the outer surface of said downwardly projecting ring and the inner surface of said upwardly projecting ring; said surfaces of said rings said held portion of said cover and the edge portion of said pane being adapted to have cement applied thereon, for securing said pane, said parts and their respective rings to said cover.

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

GERALD R. LIVERGOOD.

Witnesses:

VICTOR C. SOMMER,
LUKE E. HINTON.