

L. S. BIRDSALL.
DETACHABLE UMBRELLA COVER.
APPLICATION FILED JUNE 4, 1910.

Patented Nov. 8, 1910.
2 SHEETS—SHEET 1.

975,203.

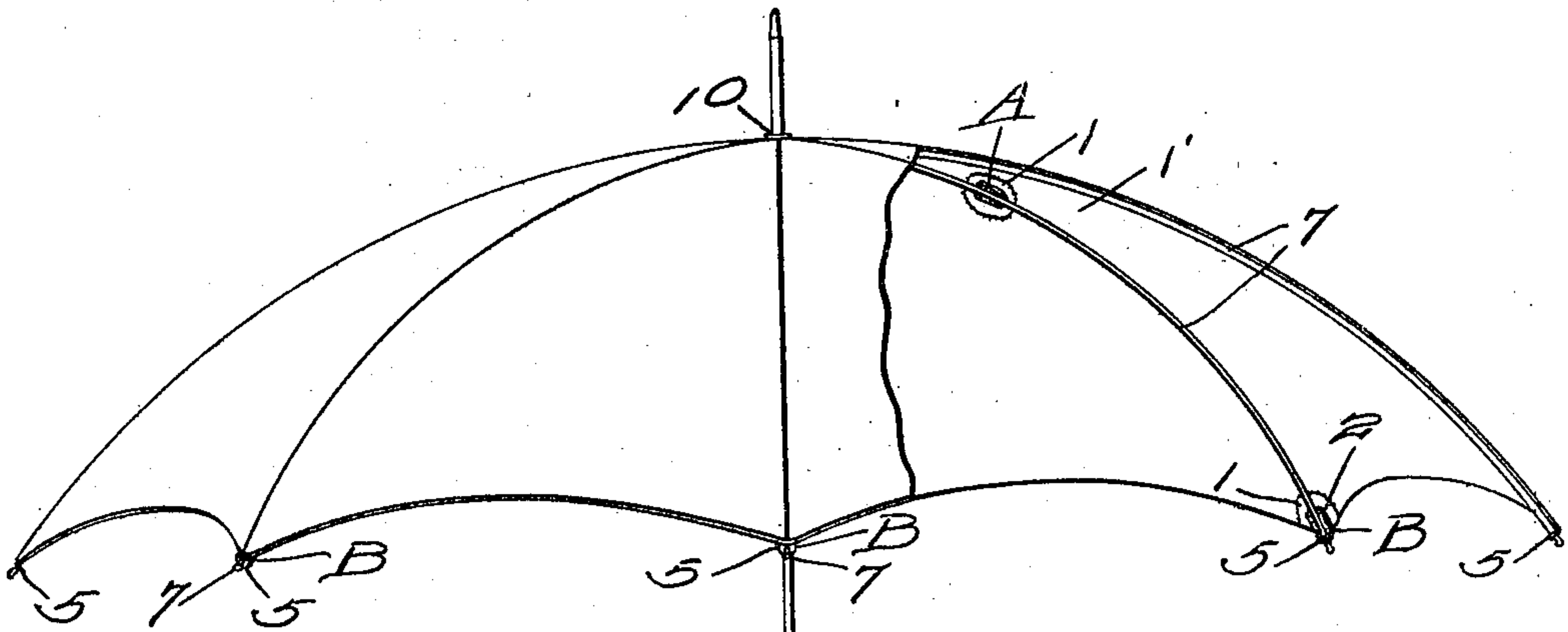


Fig. 1.

Fig. 2.

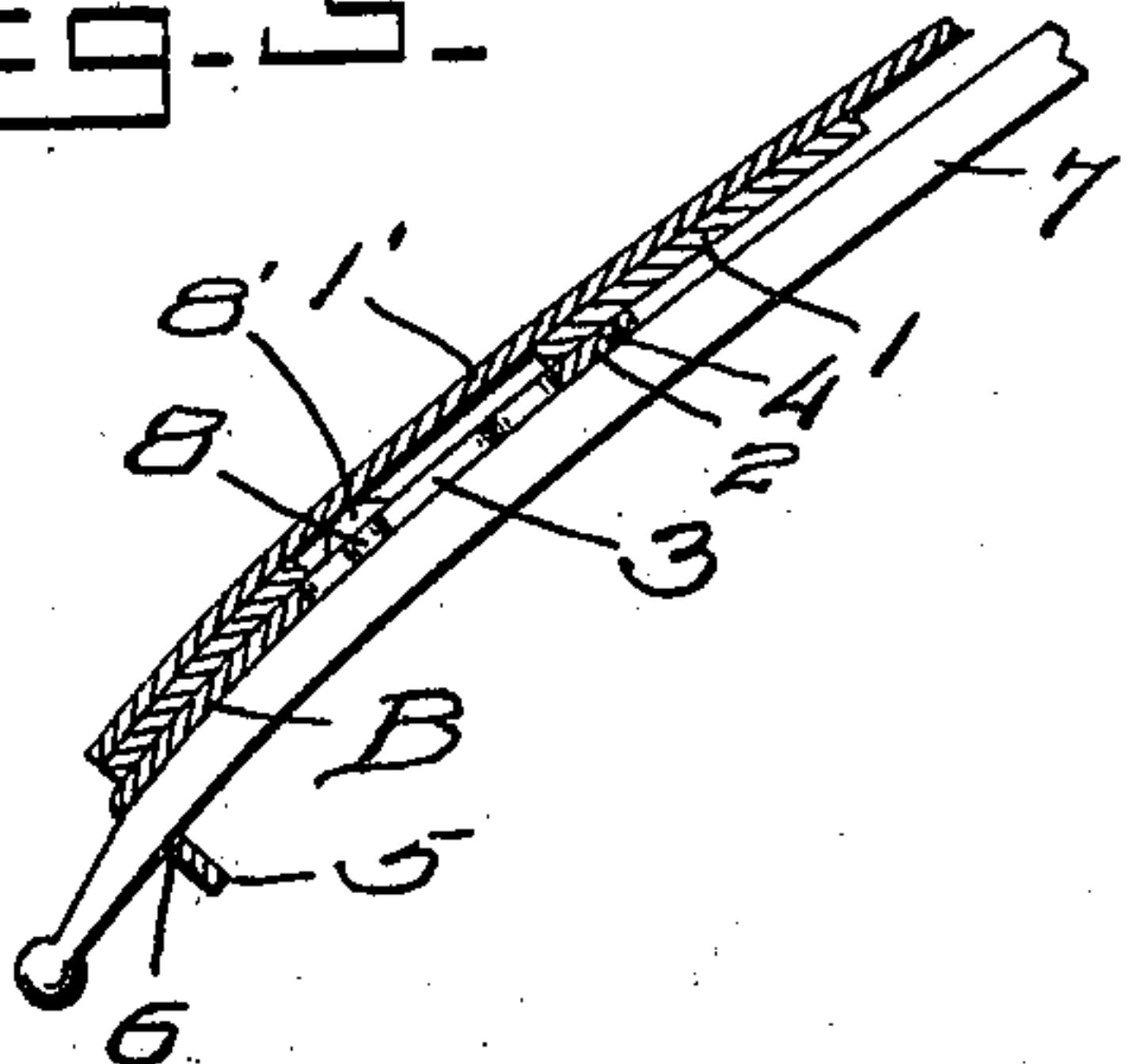


Fig. 4.

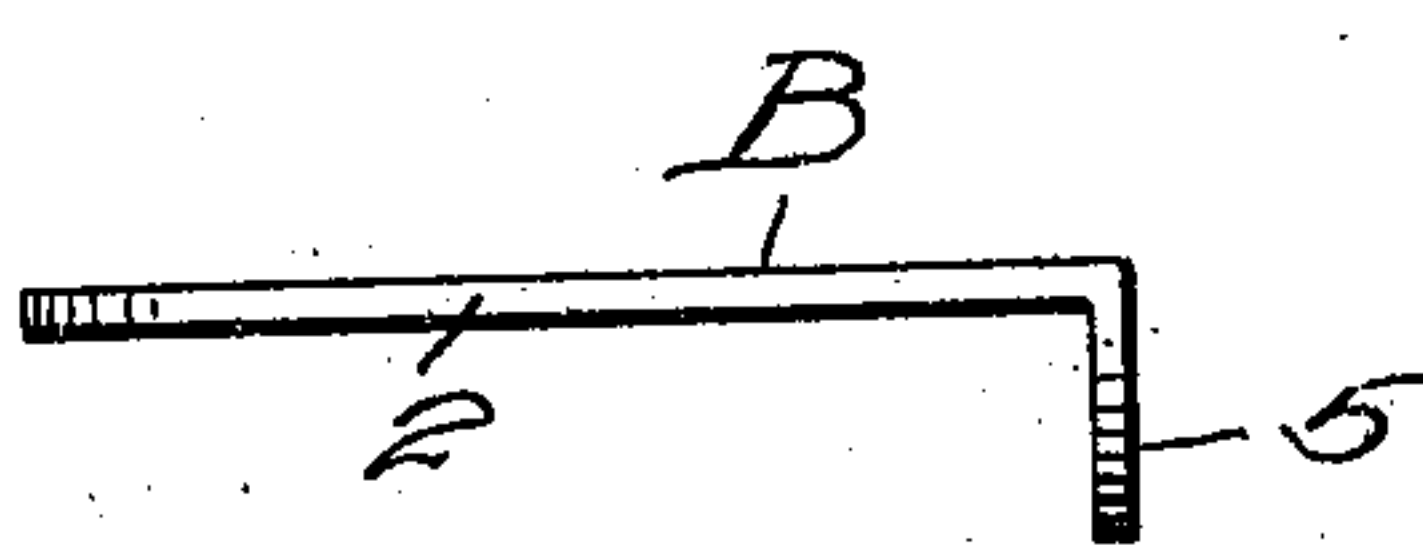
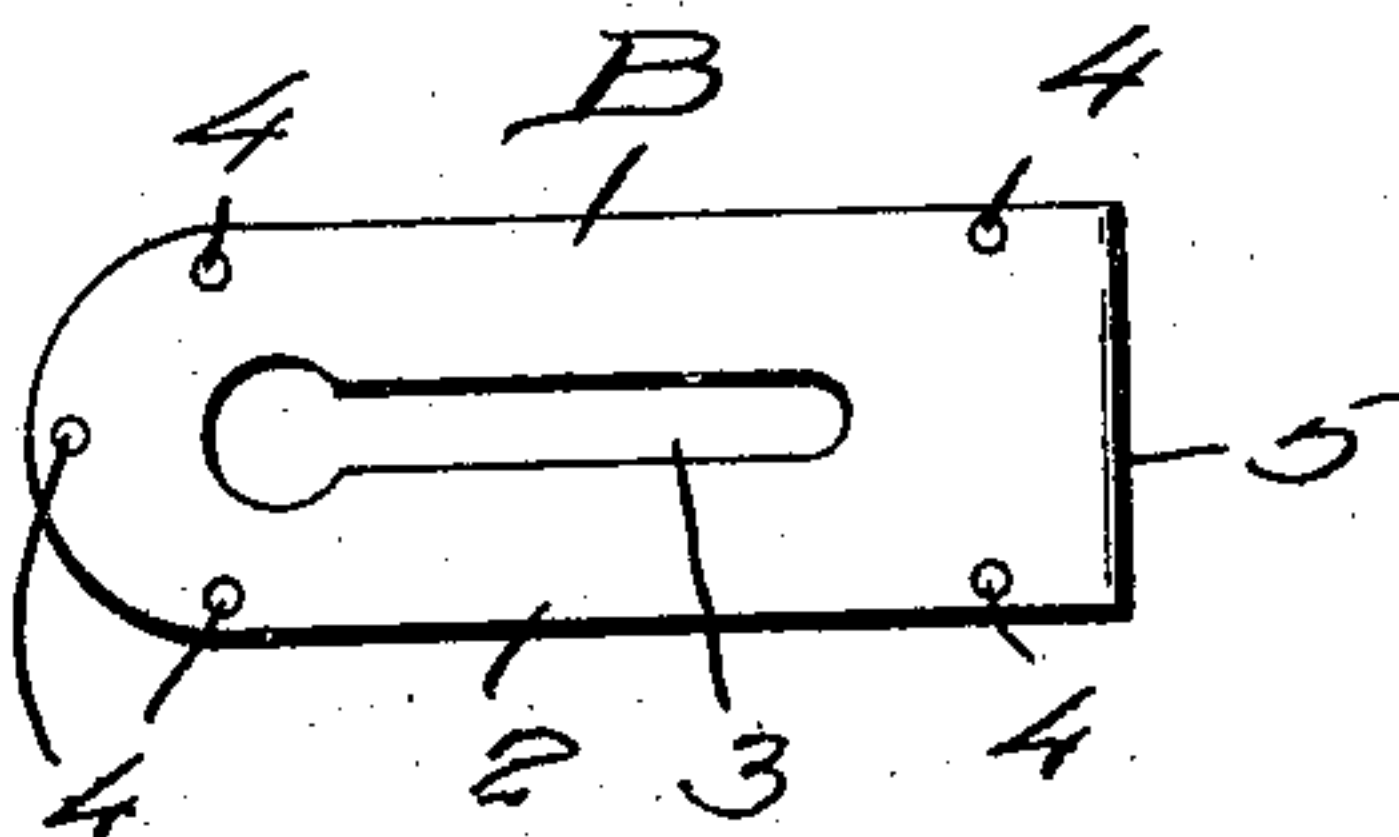


Fig. 5.

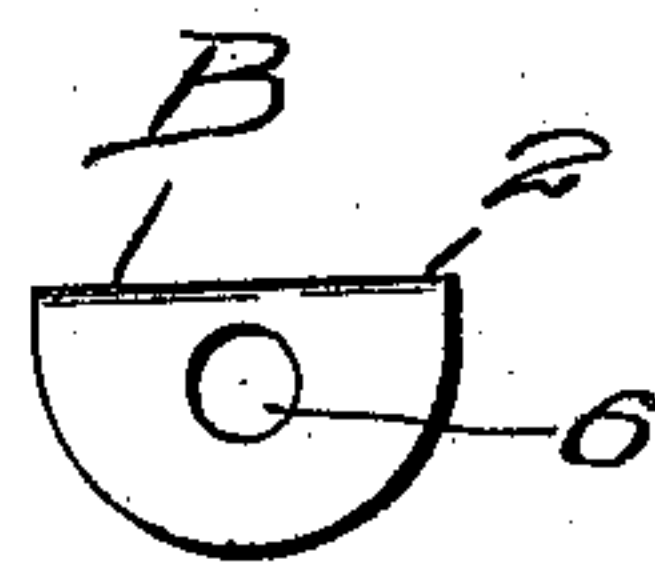


Fig. 6.

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2 SHEETS-SHEET 2.

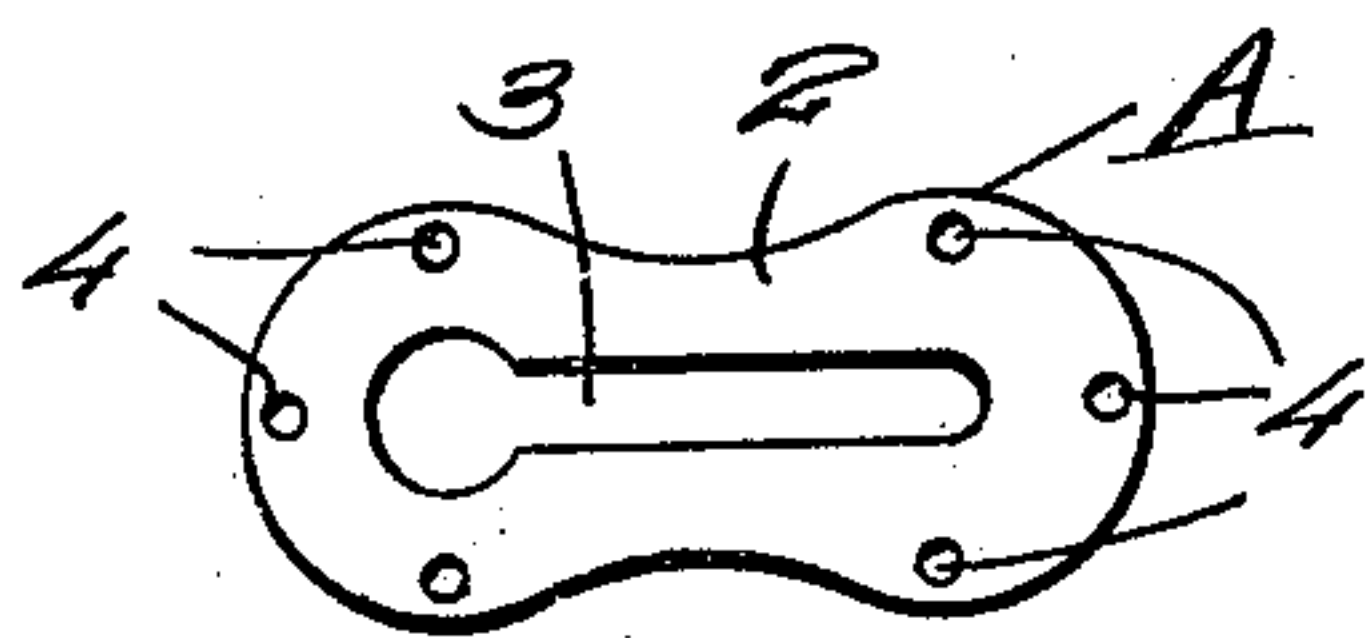
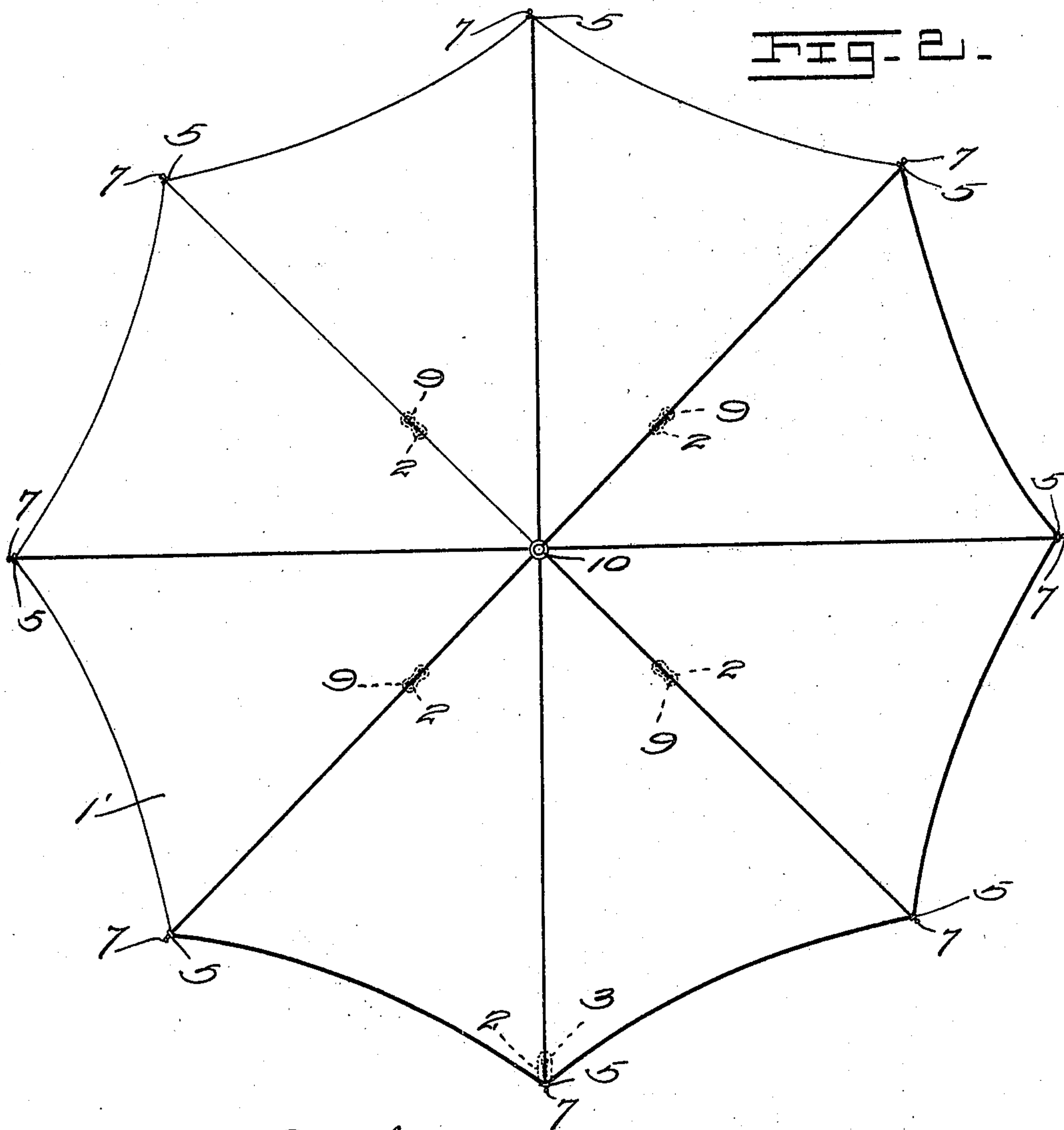


Fig. 6.



Fig. 7.

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UNITED STATES PATENT OFFICE.

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DETACHABLE UMBRELLA-COVER.

975,203.

Specification of Letters Patent.

Patented Nov. 8, 1910.

Application filed June 4, 1910. Serial No. 564,961.

To all whom it may concern:

Be it known that I, LEO S. BIRDSALL, a citizen of the United States, residing at Elm Hall, in the county of Gratiot and State of Michigan, have invented certain new and useful Improvements in Detachable Umbrella-Covers, of which the following is a specification.

This invention relates to umbrellas, and particularly to covers for same, and has for its prime object to provide a cover which may readily be attached to and detached from the umbrella frame.

Another object is to provide a detachable cover for the umbrella carrying eyelet members adapted to engage knobs on the ribs.

A further object is to provide a detachable cover provided with eyelets adapted to engage knobs on the ribs, the eyelet members being so constructed as to engage the lower ends of the ribs and prevent the pull on the cover due to shrinking thereof.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts, as will be more fully hereinafter described and pointed out in the claims, but it will be understood that changes in the specific structure may be made within the scope of the claims, without departing from the spirit of the invention.

In the drawings, Figure 1, is a side elevation of an open umbrella, with my invention applied, the umbrella being partly broken, Fig. 2, is a top plan view of the umbrella, Fig. 3, is an enlarged view in section of the tip end of a rib showing the eyelet member and a fragment of the cover, Fig. 4, is an enlarged top plan of the eyelet member, Fig. 5, is a side elevation of same, Fig. 6, is an end view of same, Fig. 7, is an edge view of the upper eyelet member. Fig. 8 is a top plan view of the same.

Referring now to the drawings, 1 represents a piece of fabric to which is sewed the eyelet member. The eyelet member A is sewed to the piece of fabric 1 which in turn is sewed to the under face of the cover 1' at points approximately six or eight inches from the tip end of the stick, and so positioned that one of the said eyelets overlies every other rib of the umbrella. These eyelet members comprise the plates 2 of any suitable material, as gutta-percha or a non-

rustable metal, as aluminum or brass. These plates 2 are of suitable thickness and have formed longitudinally therein, the keyhole slots 3, and the smaller circular perforations 4 for readily attaching the plates to the sections of fabric 1.

The lower eyelet member, as best seen in Figs. 4 and 5, is somewhat similar to the upper eyelet member and comprises the plate 2, having the keyhole slot 3, and perforations 4 whereby it may be sewed to the cover of the umbrella, but with the downwardly projecting portion 5, in which is formed an opening 6, for the reception of the lower end of a rib.

Each of the ribs 7 has secured adjacent the outer free end, and on the upper face thereof, a knobbed rivet 8, which is adapted to be engaged in the rounded portion of the keyhole slots 3, when the cover is stretched, and slides in the elongated portion of the slot, and engages under the head 8' of the rivet to prevent the eyelet coming loose. On every other rib at a point about six or eight inches from the stick of the umbrella is secured a rivet 9 similar to the rivets 8, adapted to be engaged by the upper eyelet member A.

The central portion of the cover has secured therein, a ring 10 which is adapted to be slipped on and engage snugly the tip of the stick of the umbrella.

In applying the cover to the umbrella, the eyelets A are engaged with their appropriate rivets 9, and the eyelet members B grasped by the downwardly extending portion 5 and pulled outwardly to cause the enlarged portion of the bayonets of the keyhole slots 3, therein to be seated over the rivet 8. This pull causes a slight stretching of the cover radially and when the cover is allowed to shrink back to its normal condition, the rivet 8 will be engaged in the elongated portion of the keyhole slot, and the downwardly projecting portion 5 guided so that the tip of the rib passes through the opening 6, whereby the stretching and shrinking of the cover will not cause the edge of the cover to become worn as in the ordinary umbrella, but will be protected by the portion 5 from wear. It will thus be seen that the portion 5 has a double function, of holding the eyelet member rigidly in position, and also as a finger piece for ap-

plying and removing the cover and obviates the necessity otherwise to grasp the cover at its edges.

What is claimed is:

- 5 1. An umbrella including ribs, buttons secured to alternate ribs on the upper faces of said ribs, and near their middle portions, a cover comprising a fabric body having a series of eyelet members secured thereto, and
10 disposed thereon, at points correlative with the said buttons and adapted to engage said buttons, a second set of buttons secured adjacent the free ends of the ribs, and a second set of eyelet members secured to the
15 cover adjacent its outer edge, said eyelet members being provided with keyhole slots and adapted to engage said second named set of buttons, and having a downwardly projecting perforated portion adapted to engage the end of the rib.
20

2. An umbrella including ribs, buttons secured to alternate ribs on the upper faces of said ribs, and near their middle portions, a cover comprising a fabric body having a series of eyelet members secured thereto and
25

disposed thereon at points correlative with the said buttons and adapted to engage said buttons, said eyelet members being provided with keyhole slots, and second set of buttons secured adjacent the free ends of all the ribs, and a second set of eyelet members secured to the cover adjacent its outer edge, said eyelet members being provided with keyhole slots and adapted to engage said second named set of buttons, and having a
35 downwardly projecting portion near the outer edge of said member provided with an aperture adapted to receive therethrough the free end of a rib, said downwardly projecting portion serving to hold the eyelet
40 member rigidly against the upper face of the rib, and also as a finger gripping piece in applying or removing the cover.

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

LEO S. BIRDSALL.

Witnesses:

EDNA REMER,
O. H. BIRDSALL.