

1,006,240.

Fig. 1.

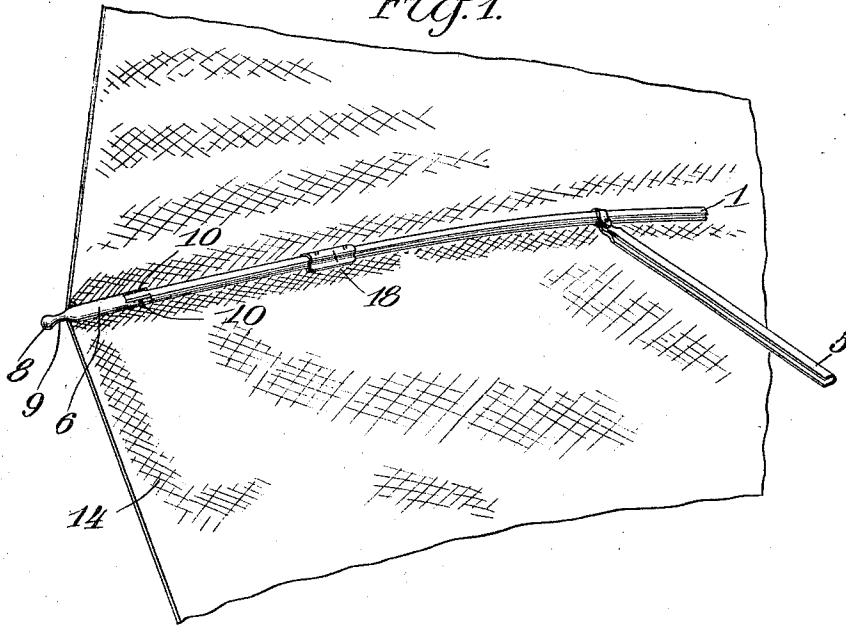


Fig. 2.

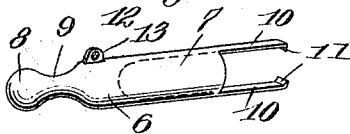


Fig. 3.

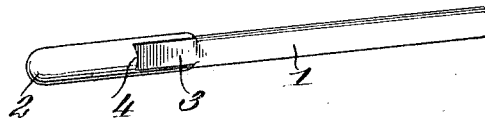


Fig. 4.

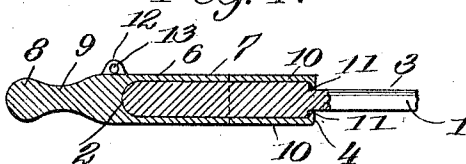


Fig. 5.

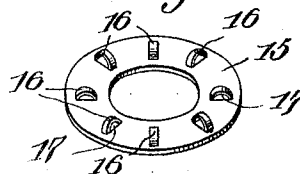


Fig. 6.

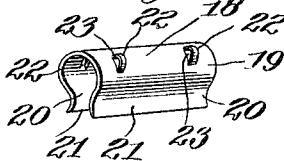
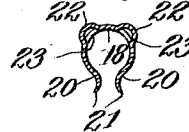


Fig. 7.



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UNITED STATES PATENT OFFICE.

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PARASOL AND UMBRELLA COVER.

1,006,240.

Specification of Letters Patent.

Patented Oct. 17, 1911.

Application filed August 3, 1910. Serial No. 575,234.

To all whom it may concern:

Be it known that I, JOHN W. LEWIS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Improvement in Parasol and Umbrella Covers, of which the following is a specification.

My invention is an improvement in parasol and umbrella covers, and consists in certain novel constructions, and combinations of parts, hereinafter described and claimed.

The object of the invention is to provide an umbrella, parasol or like article with interchangeable covers, so that with a single frame a number of covers of different color or material may be used, and so that the life of the umbrella may be prolonged indefinitely by replacing the covers when worn.

A further object is to provide a simple, efficient and convenient means for detachably connecting the cover to the umbrella.

Referring to the drawings forming a part hereof, Figure 1 is a perspective view of a portion of the cover. Fig. 2 is a similar view of a rib tip. Fig. 3 is a similar view of the end of a rib. Fig. 4 is a longitudinal section of the end of a rib with the tip in place. Fig. 5 is a perspective view of the central ring. Fig. 6 is a similar view of a sleeve for connecting the cover with a rib, and Fig. 7 is a transverse section of the same.

In the present embodiment of the invention, the covers are made detachable and interchangeable, so that with one frame a number of covers may be used if desired. The covers may be of any desired material and color, but the covers for a specified frame are of a size, so that each of them will fit the frame.

The frame may be of usual construction, except that each of the ribs 1, is of lesser length than necessary for the size of cover used, and the outer end of each rib is rounded as shown at 2 in Figs. 3 and 4. At a short distance from the rounded end, each rib is flattened as shown at 3, and shoulders 4 are provided between the flattened portion and the rounded end, the shoulders being opposite each other and facing inwardly.

The ribs are braced by the usual braces 5, and a tip 6 is detachably connected with the end of each rib. The said tip comprises a hollow tube or socket 7, and a rounded head 8, separated from the socket by a neck 9.

Extending from the socket is a plurality of resilient arms or latches 10 the said arms or latches being oppositely arranged, and each having a lateral inwardly extending lug or catch. The socket 7 is adapted to receive the rounded end 2 of the rib, and the arms 10 are of such length that the catches 11 will engage behind the shoulders 4 to lock the tip on the rib. Each tip is also provided with an ear or lug 12, having a transverse perforation 13.

The cover 14 is of such size that the periphery thereof will extend beyond the ends of the ribs, and the said cover is provided with the usual central opening for permitting the passage of the stick or handle of the umbrella or parasol. A ring 15 (Fig. 5) is secured to the cover and encircles the central opening, and the said ring is provided with an annular series of spaced radial lugs 16, each having a transverse opening 17. In the embodiment shown the lugs are formed by forming in the material of the ring a plurality of pairs of radial slits, and the material between the slits is bent upwardly to form a bearing. The ring is secured to the cover by means of stitches passing through the openings 17 of the lugs 16, and at the portion occupied by each rib when the cover is in place, a tip 6 is secured to the cover, by means of stitches passing through the openings 13 of the lugs 12. The cover is held in place between the ring and tip, by means of split sleeves 18, one or more of which may be arranged on each rib in spaced relation with respect to each other and to the ring and tip. Each sleeve comprises a body 19, and side members or arms 20, which are bent toward each other and thence outwardly to form guides 21, to permit the sleeves to be placed on the ribs, by pushing the rib between the arms. Each sleeve is provided with a plurality of lugs 22, each having a transverse opening 23, the lugs in the present instance being formed in the same manner as are the lugs 16 of the ring. The sleeves are stitched to the cover at the proper point, by passing the thread through the openings of the lugs.

The cover is placed in position, by first passing the handle or stick through the ring 15. The cover is then straightened on the frame, and each tip is slipped into place on the end of the adjacent rib. The split sleeves are then engaged with the ribs, and the article is ready for use, and may be used

in precisely the same manner as the ordinary article. To detach the cover, the split sleeves are disengaged from the ribs, after which the tips are detached from the ribs.
5 The cover is then free and may be lifted from the frame and another placed. The attaching means while very efficient, is extremely simple, and cannot get out of order. There is no possibility of accidental
10 detachment, and there is no great amount of strain on any one of the attaching devices. By providing a plurality of covers, the owner may have an article for every occasion at but small expense. The covers may
15 be manufactured in sizes to fit a particular size of frame, and sold by number or in any other suitable manner.

I claim—

In a device of the character specified, the

combination with a frame, and an inter- 20
changeable cover, of a ring adapted to engage the stick of the frame, means for connecting the cover with the tip of each rib, each of the said means comprising a detachable tip having a socket for receiving 25
the end of the rib, each rib being flattened transversely near its end to form a pair of oppositely arranged shoulders facing away from the detachable tip, the said tip having a pair of resilient arms extending 30
from the socket, each arm having an inwardly extending lug for engaging the adjacent shoulder.

JOHN W. LEWIS.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."