O. O. FOSTER.

UMBRELLA REPAIR CAP.

APPLICATION FILED AUG. 17, 1917.

1,268,227. Patented June 4, 1918.

Fig. 1.

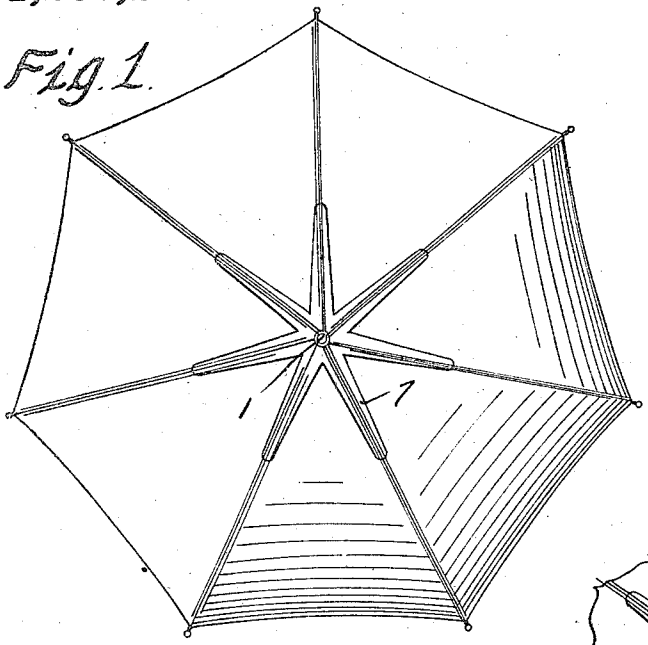


Fig. 2.

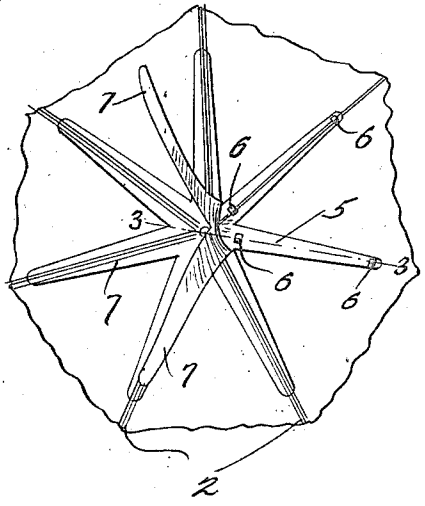


Fig. 3.

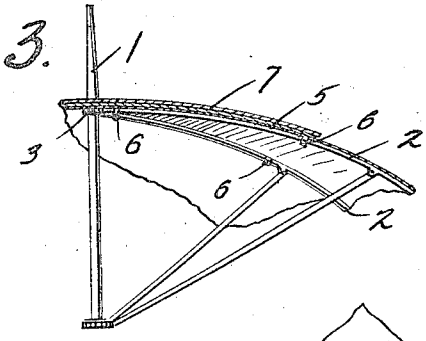
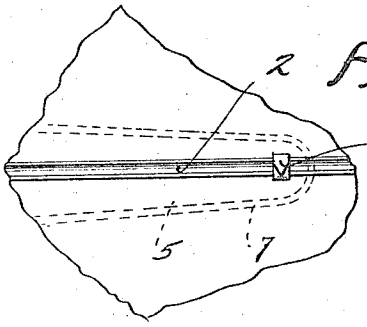


Fig. 4



Witnesses

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UMBRELLA-REPAIR CAP.

1,268,227. Specification of Letters Patent. Patented June 4, 1918.

Application filed August 17, 1917. Serial No. 186,740.

To all whom it may concern:

Be it known that I, OLIN O. FOSTER, a citizen of the United States, residing at Oxford, in the county of Worcester, State of Massachusetts, have invented certain new and useful Improvements in Umbrella-Repair Caps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to repairing devices for umbrellas.

The object of the invention is to provide repair devices for umbrellas which may be readily applied to the umbrella around its cap where it is common for it to wear out or for the ribs to break while the umbrella is otherwise still in good condition. To this end I have provided a strong flexible cap member which is provided with fastening devices adapted to be clamped or clipped around the ribs of the umbrella, thereby holding them in their position, even though they may be broken from the slide sleeve, and have combined with the clip supporting element a secondary cap which has the function of covering the clip devices and provide a neat finish to the repaired object.

With the above objects in view, and such others relating to the details of construction, as may hereinafter appear, my invention will now be fully set forth and described, reference being had to the accompanying drawings.

In the drawings:—

Figure 1 is a plan view of an umbrella having my invention applied thereto,

Fig. 2 is a plan view showing the invention partially applied thereto,

Fig. 3 is a section on the line 3—3 of Fig. 2, and

Fig. 4 is a fragmentary view of the inside of the umbrella having my invention applied thereto.

Referring more particularly to the drawings, 1 represents a staff and 2 the ribs of an umbrella, the latter having their inner ends pivoted to the usual sleeve 3. It is at their juncture with the sleeve 3 that the ribs ordinarily break, and it is also around the sleeve 3 or its cap that the covering of the umbrella first wears through.

In repairing defects of either of these natures, I employ a cap member 5. The cap member 5 is a star shaped cloth member, preferably made of heavy cotton, whose arms are shaped to overlie the several ribs of the umbrella for a considerable extent. Carried by the cap member 5, around its center, and also along its arms, is the plurality of clip fasteners 6 which are provided with prongs adapted to be stuck through the umbrella cover and then clipped around the ribs. The arrangement of a number of the clips along the arms of the cap member provides a very strong uniting element for broken ribs. The edges of the cap may be cemented to the umbrella cover.

In order to provide a finish for the repair device, I provide a secondary cap 7 which may be of silk or other umbrella cloth, and is laid over the member 5 and cemented thereto. This provides a complete repair device, and one which will neatly cover the defects in the cloth, and hold in position broken ribs. In practice, the secondary cover 7 will probably be slightly larger than the cap member 5 so that the latter may be completely hidden. It is practically impossible for a broken rib to spring out of place when the repair cap has been applied, even though it be broken far away from the sleeve 3.

What I claim as my invention is:—

1. A repair device for umbrellas, comprising a flexible cap adapted to fit over the end of an umbrella rod and overlie the ribs thereof, and fasteners carried by the cap in position to be secured around the ribs.

2. A repair device for umbrellas, comprising a flexible cap adapted to fit over the end of an umbrella rod and overlie the ribs thereof, fasteners carried by the cap in position to be secured around the ribs, and a supplemental cap to be secured over the flexible cap.

3. A repair device for umbrellas, comprising a flexible cap adapted to fit over the end of an umbrella rod and having radiat-

ing arms to correspond with and overlie the ribs of the umbrella, and means for securing the arms to the ribs.

4. A repair device for umbrellas, comprising a flexible cap adapted to fit over the end of an umbrella rod and having radiating arms to correspond with and overlie the ribs of the umbrella, means for securing the arms to the ribs, and a supplemental cap for concealing the first mentioned cap.

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

OLIN O. FOSTER.

Witnesses:
E. L. PROCTOR,
JENNIE S. FOSTER.

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