

(No Model.)

F. H. MITCHELL.
UMBRELLA OR PARASOL.

No. 588,773.

Patented Aug. 24, 1897.

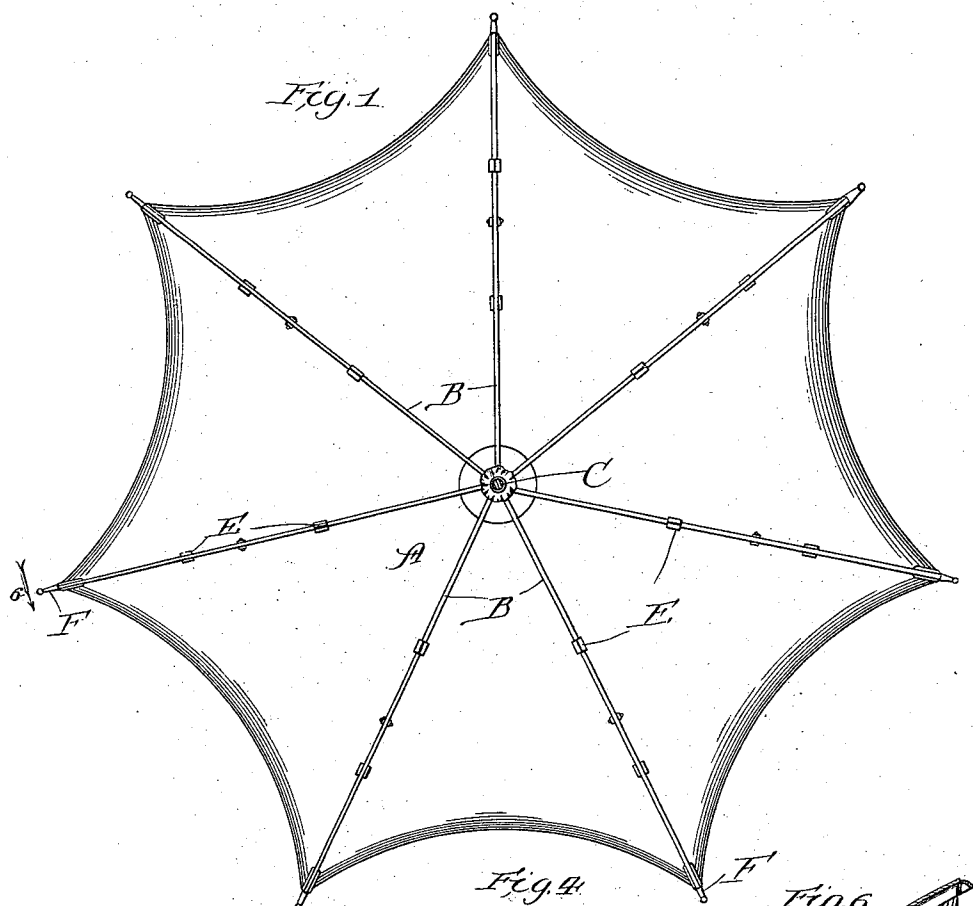
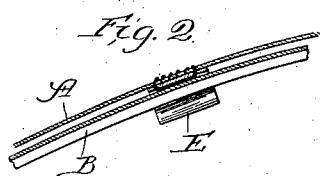
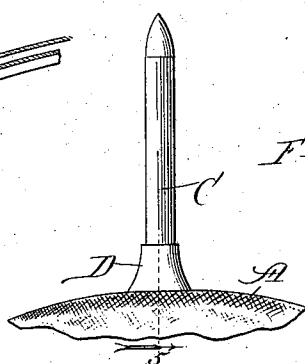
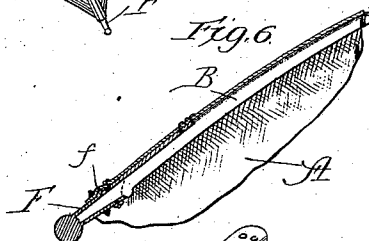
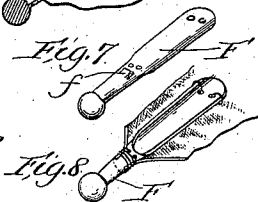
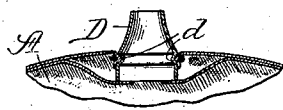


Fig. 5



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK H. MITCHELL, OF CHICAGO, ILLINOIS.

UMBRELLA OR PARASOL.

SPECIFICATION forming part of Letters Patent No. 588,773, dated August 24, 1897.

Application filed September 18, 1896. Serial No. 606,291. (No model.)

To all whom it may concern.

Be it known that I, FRANK H. MITCHELL, of Chicago, Illinois, have invented a new and useful Improvement in Umbrellas and Parasols, of which the following is a specification.

As now made umbrellas and parasols are provided with a fixed cover, which is firmly secured to the frame or ribs and not readily detachable or removable therefrom, and this fixed cover is generally used until it is worn out, when the umbrella or parasol becomes worthless and has to be re-covered or discarded entirely.

The object of my improvement is to provide for readily detaching or removing the cover and for replacing a new one whenever necessary or desirable; and the invention consists in the features and combinations hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a bottom plan view of my improved umbrella or parasol cover; Fig. 2, an enlarged detail of one of the clamps or clips; Fig. 3, a perspective view of one of the clamps or clips applied to the rib and detached from the cover; Fig. 4, an enlarged broken elevation of the end of the stick or handle with the ferrule in place thereon; Fig. 5, a sectional view showing the cover attached to the ferrule; Fig. 6, an enlarged sectional elevation showing one of the tips attached to the cover and in place on the end of its rib, and Figs. 7 and 8 perspective views showing opposite sides of the tip.

A is the cover; B, the ribs; C, the stick or handle; D, the ferrule fitting over the upper end of the stick or handle, and *d* an annular groove or recess in the ferrule; E, clamps or clips adapted to secure the cover to the ribs at points between their outer ends and the stick or handle, and F tips fitting over the ends of the ribs, and *f* a slight ridge, bulge, or enlargement thereon.

In practice I use an ordinary umbrella or parasol frame having the usual stick or handle and supporting-ribs, first removing the little ball, knob, or enlargement at the end of each of its ribs. I also use an ordinary cover, to which I apply a ferrule and attaching clamps and tips in proper position to fit the parts of the frame to which they are to be applied, respectively.

Instead of putting on the ferrule after the cover is applied and then riveting it to the stick or handle to hold the cover in place, I first secure the ferrule and cover together and afterward slip the ferrule over the end of the stick or handle without rigidly securing it thereto. The cover is secured to the ferrule by forcing the cloth into the annular groove and holding it therein by tightly-wound thread or wire, or otherwise, and other parts of the cover are so held as to make any special fastening between the ferrule and handle or stick unnecessary.

The tips are secured at the points or extremities of the cover adapted to be fitted to the ends of the ribs and are themselves adapted to fit over such ends when the cover is adjusted or applied to the frame. I prefer to secure them to the cover by stitching through holes made for that purpose and by winding the end of the cover over the tip and securing it by thread below the little ridge or enlargement therein; but they may be secured in any other convenient way. The ribs being formed without any little ball, knob, or enlargement, the tips may be slipped over their ends whenever the cover is adjusted or put in place.

At suitable points on the under side of the cover I provide clamps or clips adapted to grasp the ribs so as to secure the cover thereto at points between the ferrule at the upper end of the stick or handle and the tips at the lower ends of the ribs. I prefer to use a spring clamp or clip for this purpose; but any other device capable of detachably securing the cover to the ribs may be employed. There may be one of these clamps or clips for each rib or as many as desired.

The cover provided with a ferrule, tips, and attaching clamps or clips is readily applied to the frame by simply slipping the ferrule over the upper end of the stick or handle, drawing the tips of the cover down and fitting them over the ends of the ribs, and applying the clamps or clips. In this way the cover is securely fastened, by means of the ferrule, to the stick or handle, by means of tips to the lower ends of the ribs, and by means of the clamps or clips at an intervening point or points along the ribs. When it is desired to remove the cover, the operation is reversed—

that is, the tips and clips are disengaged from the ribs and the ferrule slipped off over the upper end of the stick or handle.

As it will be seen, my invention provides
5 for the ready application and removal of the cover to and from the frame as often as desired, and this enables the use of a new cover on the same frame whenever an old cover becomes torn or worn out and especially the use
10 of different-colored covers on the same frame—a dark or light cover one day, a pink cover the next day, a blue cover the next, and so on.

As the essential feature of my invention
15 consists in providing a removable cover for an umbrella or parasol, it will of course be understood that I do not intend to limit myself to minor features or details of construction, but that on the contrary I contemplate

making changes and omitting parts or using 20 equivalents as circumstances may suggest or render expedient.

I claim—

In an umbrella or parasol, the combination of a frame comprising a stick or handle and 25 ribs unprovided with knobs at their outer ends, a ferrule applied on the upper end of the stick or handle, a cover attached to the ferrule, and hollow tips terminating in knobs or balls and provided with ridges or enlarge- 30 ments for facilitating the attachment to the outer edge of the cover and applied to the outer ends of the ribs, substantially as described.

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