(No Model.)

W. BOUSTEAD.

DETACHABLE COVER FOR UMBRELLAS.

No. 564,241. Patented July 21, 1896.

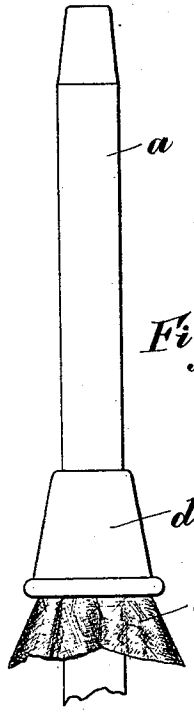

Fig. 2.

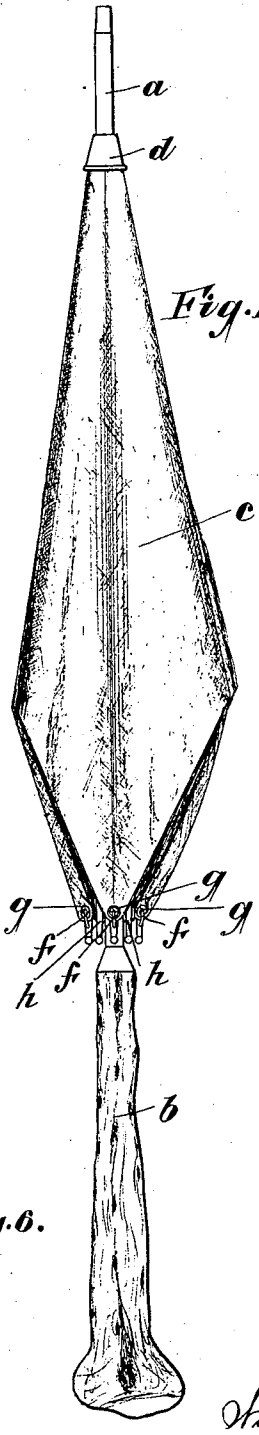

Fig. 1.

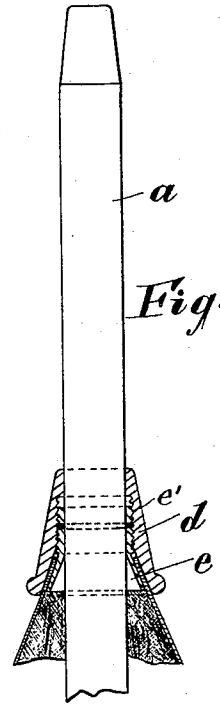

Fig. 3.

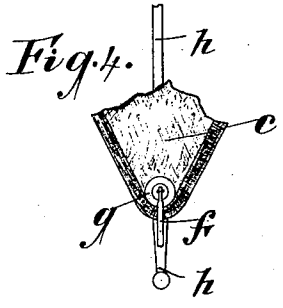

Fig. 4.

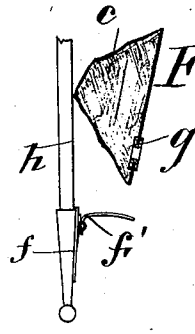

Fig. 5.

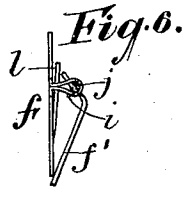

Fig. 6.

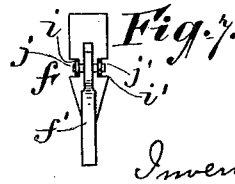

Fig. 7.

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UNITED STATES PATENT OFFICE.

WILLIAM BOUSTEAD, OF BELFAST, IRELAND.

DETACHABLE COVER FOR UMBRELLAS.

SPECIFICATION forming part of Letters Patent No. 564,241, dated July 21, 1896.

Application filed February 10, 1896. Serial No. 578,681. (No model.) Patented in England February 16, 1895, No. 3,367.

To all whom it may concern:

Be it known that I, WILLIAM BOUSTEAD, a subject of the Queen of Great Britain, and a resident of the city of Belfast, Ireland, have invented a new and Improved Detachable Cover for Umbrellas, Parasols, Sunshades, and the Like, (for which I have obtained Letters Patent of Great Britain, dated February 16, 1895, No. 3,367,) of which the following is a specification.

This invention relates to a new and improved detachable cover for umbrellas, parasols, sunshades, and the like.

In order that my said invention may be properly understood, I have hereunto appended an explanatory sheet of drawings, which show by way of example an umbrella made in accordance with my invention, whereon—

Figure 1 is a view of an umbrella. Fig. 2 is an outside view, and Fig. 3 a part section, showing the method of fixing the top of the cover. Figs. 4 and 5 are detailed views showing the method of attaching the bottom edges of the cover to the ribs. Fig. 6 is a side view, and Fig. 7 a front view, of the device for securing the cover to the ribs.

Referring to the drawings, *a* is the stick, *b* the handle, and *c* the silk or other cover.

d is a taper-ring for securing the cover at the top.

e is an inner ring with tapered lower end secured to the stick.

f are devices for securing the cover to the lower ends of the ribs *h*.

g are eyelets secured at proper intervals apart in the lower edge of the cover.

The frame can be of the usual "paragon" or other construction and is secured to the stick in the ordinary manner.

The cloth cover *c* is provided with a hole at its center or apex, so as to be capable of being drawn down over the end of the stick and on top of the inner ring or collar *e*, as shown at Fig. 3, where the cloth is torn away. This ring *e* is secured rigidly to the stick by a rivet or pin, or in other manner, and is provided with an exterior screw-thread *e'* at its upper end.

The cover is clamped and held tightly in position by means of the outer taper-ring *d*, which is also passed over the end of the stick and screwed down on the ring *e* until the cloth is tightly held between the inner tapered or conic surface of the ring *d* and the outer conic or tapered surface of the ring *e*. Figs. 2 and 3 show this method of attachment clearly.

The bottom of the cover is secured to the ribs *h* by the spring-catches *f*. The spring-catch *f* comprises a plate formed with sockets *i i'* in the shape of loops, Figs. 6 and 7, and with a struck-up center strip *l*, as seen in Fig. 6, and an L-shaped clasp *f'*, the arms *j j'* of which have bearings in the sockets *i i'*, and the upper bent end of which bears against the strip *l*, whereby the necessary spring action is given to the clasp or tongue *f'*. These spring-catches are soldered or otherwise secured to the ends of the ribs. With this arrangement when it is desired to secure the cover to the ribs all that is necessary is to open the tongues *f'* of the clasps *f*, as at Fig. 5, and pass the tongues through the eyelets *g* of the cloth and thereafter to bend the tongues down again, as shown at Fig. 4, when the cloth will be securely held. The cloth can be released again by merely lifting up the tongues *f'* and pulling off the eyelets.

The cover *c* can, by this invention, be detached easily and quickly from the stick, and if necessary can be reversed. This latter feature is an advantage with silk sunshades colored differently on the outside from the inside, as either side can be exposed, according to the taste of the wearer. Ladies can, when changing their dresses, also change the color of their sunshades, so as to match.

An old and worn cover can be easily detached and replaced by a new one.

The ring *d* can be made of metal, bone, ivory, lignite, or other suitable material.

Instead of having eyelets *g* in the cover, simple holes, sewed round in the same manner as buttonholes, can be used.

In the case of large umbrellas the cover may be also secured to the ribs by additional clips or fastenings at or about the center of the ribs.

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

The combination with the umbrella or parasol frame and the detachable cover provided with eyelets in its lower edge, of clasps *f* secured to the ends of the ribs and each consisting of a plate having journal-sockets and a central struck-up strip *l* and a tongue journaled in said sockets and bearing at one end against the strip *l* with its other end adapted to enter the eyelet in the umbrella-cover, substantially as set forth.

Signed at Belfast, County Antrim, Ireland, this 15th day of January, A. D. 1896.

WILLIAM BOUSTEAD.

Witnesses:
ABRAHAM WALKER,
WILLIAM IRWIN.