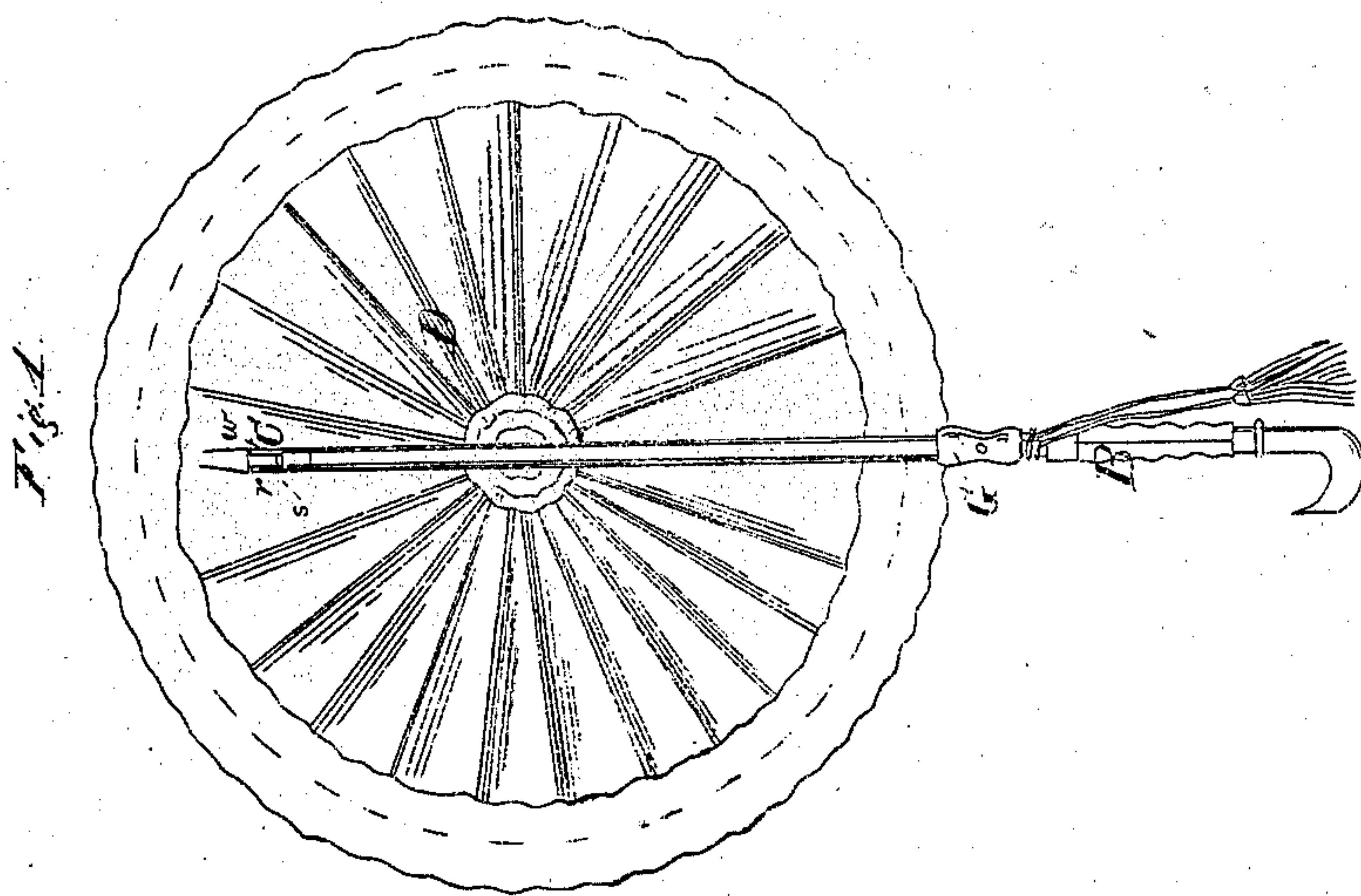
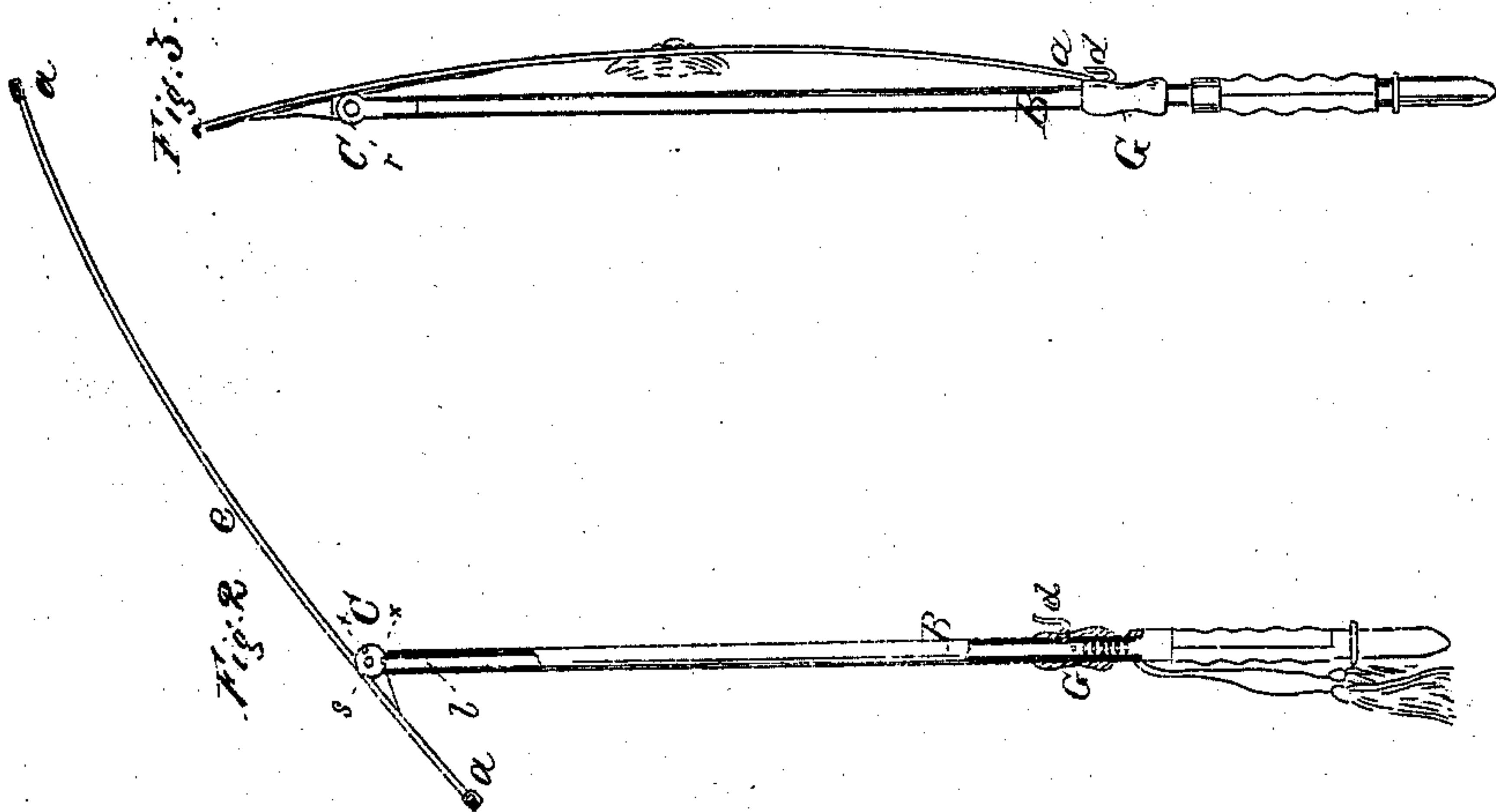
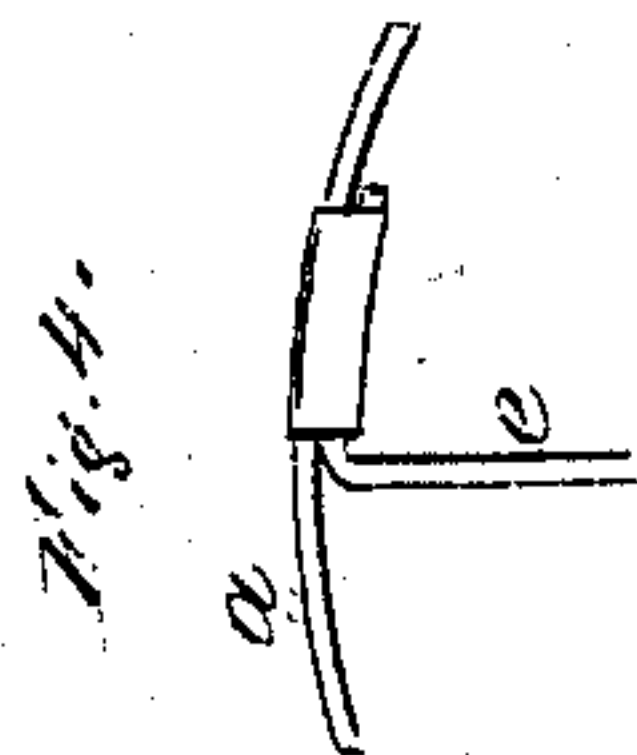


G. Mallory.
Fan.

No. 70344.

Patented Oct. 29. 1867.



Witnesses
W. L. Bennett
John. R. R. R.

Inventor
George Mallory
by his Attorney
C. P. Penwick

United States Patent Office.

GEORGE MALLORY, OF BRIDGEPORT, CONNECTICUT.

Letters Patent No. 70,344, dated October 29, 1867.

IMPROVEMENT IN FAN AND PARASOL COMBINED.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE MALLORY, of Bridgeport, in the county of Fairfield, and State of Connecticut, have invented certain new and useful Improvements in Parasols or Sun-Shades, and that the following is a full, clear, and exact description and specification of my said invention.

My invention has reference to the improved parasol or sun-shade described in the patent of W. H. White, and its object is to improve the appearance and utility of such parasols.

To this end the first part of my invention consists of the combination of a drooping hoop-frame with the sun-shade handle, by means of a joint, so that the sun-shade is curved transversely, and presents a more graceful appearance than the flat-hoop framed sun-shades of said White, and has all the advantages of the White sun-shade.

The second part of the invention consists of the combination of the hoop-frame, (whether drooping or not,) the handle, and the joint, with a locking mechanism, by means of which the hoop-frame can be firmly secured at the desired inclination to the handle, instead of depending upon the friction of the joint to hold it.

The third part of the invention consists of the combination of the hoop-frame, (whether drooping or not,) the joint, and the locking mechanism, with a slide, by means of which the locking mechanism can be conveniently operated.

All of my said improvements are embodied in the sun-shade represented in the accompanying drawings—

Figure 1 being a view of the inner face of the sun-shade when turned down.

Figure 2 being a view of the frame of the sun-shade, with the hoop-frame turned up, and certain parts removed to show the construction.

Figure 3 being an edge view of the sun-shade, and

Figure 4 a fragment of the hoop-frame of full size.

The said sun-shade has a hoop-frame, *a*, connected with a handle, *B*, by means of a hinge-joint, *C*; and the hoop-frame is covered with silk or other fabric *D*. The hoop-frame *a* is formed of spring-wire, and is bent so that it is curved or caused to droop, as represented in the drawing. It is crossed transversely by a stay, *e*, which is also curved, and is secured at its ends to the opposite sides of the hoop-frame. This stay has the lug or ears secured to it, by which it is jointed to the handle *B*. The handle is provided at its upper end with two ears *r r*, between which the ear of the hoop-frame is received, and the three ears are traversed by a pivot, so that they constitute a hinge-joint between the hoop-frame and the handle, and permit the hoop-frame to be set in any desired position relatively to the handle. The two positions in which the hoop-frame is most generally required, are those represented at figs. 2 and 3, the former with the hoop-frame turned up, and the latter with it turned down. In order that the frame may be locked in these two positions, a spring-bolt, *l*, is constructed to slide longitudinally in a cavity in the handle, and notches *x x* are formed in the ear *s* of the hoop-frame, at those parts thereof which are opposite the end of the spring-bolt, when the hoop-frame is turned up and turned down, so that, in either case, the end of the spring-bolt, engaging in the appropriate notch, locks the frame in its position. If it be desired to lock the frame in other positions, additional notches may be formed in the ear *s* for the purpose.

In order that the spring-bolt may be conveniently operated, it is connected with a slide, *G*, which is constructed to slide upon the stalk of the handle; and in order that the hoop-frame, when down, may be held more securely, this tubular slide is fitted with a hook, *d*, to overlap the rim of the hoop-frame at that time.

The second and third parts of my invention may be used without the first part thereof, by using a plane hoop-frame without droop.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the curved or drooping hoop-frame, handle, and joint, substantially as hereinbefore set forth.

Also the combination of the hoop-frame, handle, joint, and locking mechanism, substantially as hereinbefore set forth.

Also the combination of the hoop-frame, handle, joint, locking mechanism, and slide, substantially as hereinbefore set forth.

In testimony whereof I have hereto set my hand this day of

, A. D. 1864.

GEORGE MALLORY.

Witnesses:

WM. H. MALLORY,
VICTOR B. CURTIS.