

October 24, 1913.

DRAWING

2,573

A careful search has been made this day for the original drawing or a photolithographic copy of the same, for the purpose of reproducing the said drawing to form a part of this book, but at this time nothing can be found from which a reproduction can be made.

Finis D. Morris,

Chief of Division E.

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# UNITED STATES PATENT OFFICE.

GILBERT S. WARD, OF NEWARK, NEW JERSEY.

## UMBRELLA.

Specification of Letters Patent No. 2,573, dated April 21, 1842.

*To all whom it may concern:*

Be it known that I, GILBERT S. WARD, of the city of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in the Construction of Umbrellas and Parasols, of which the following is a full and exact description.

The principal object of my improvement is to render the umbrella more portable, so that it may be conveniently packed away in a small trunk or a common valise, or put into a good sized pocket for the convenience of carrying when not in use. The handle is attached to the other parts of the umbrella by means of the screw nut near the upper end as represented at A, Figure 1, of the annexed drawings, which screws into a small socket to which the upper ends of the whalebones are attached, a section of which socket is represented in Fig. 6, from which it may be detached by merely unscrewing, when it makes a neat and convenient walking cane, or if made into two or more parts and put together with screw joints as represented at B, it may be taken apart and put into a valise.

The whalebones are made with joints in the middle as represented at A, Fig. 3. These joints are made of brass, with sockets to receive the ends of the whalebones, and so constructed that by turning the umbrella bottom upward when not spread the whalebones fold up, as represented in the figure, thus reducing them to half their full length.

The joints are supported and strengthened by pieces of sheet brass with their edges turned up as represented at B, Fig. 2, and on a larger scale at A, Fig. 5, an end view of which is given in Fig. 7, forming a kind of case or trough, which is riveted to the lower end of the upper part of the whalebone, and in which the other part rests, when the umbrella is spread out for use, forming a firm support for the joint,

In order to render the whole as short as possible the braces or stretchers should be short, say not much more than one-fourth part of the whole length of the whalebones, so that they may not project much below the whalebones when folded up.

Figs. 3, 4, and 5 give three different views of the brass joints about the proper size for an umbrella of ordinary size; Fig. 3, is a side view of the joint open and Fig. 4 is a view of the under side of the joint, both without the supporting piece, and Fig. 5, represents the joint folded up with the support A, attached.

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

Constructing the whalebones of umbrellas and parasols with the supporting piece in combination with the joint as herein set forth.

GILBERT S. WARD.

Witnesses:

THEO. FRELINGHUYSEN, Jr.,  
SPAFFORD S. HUGHSON.