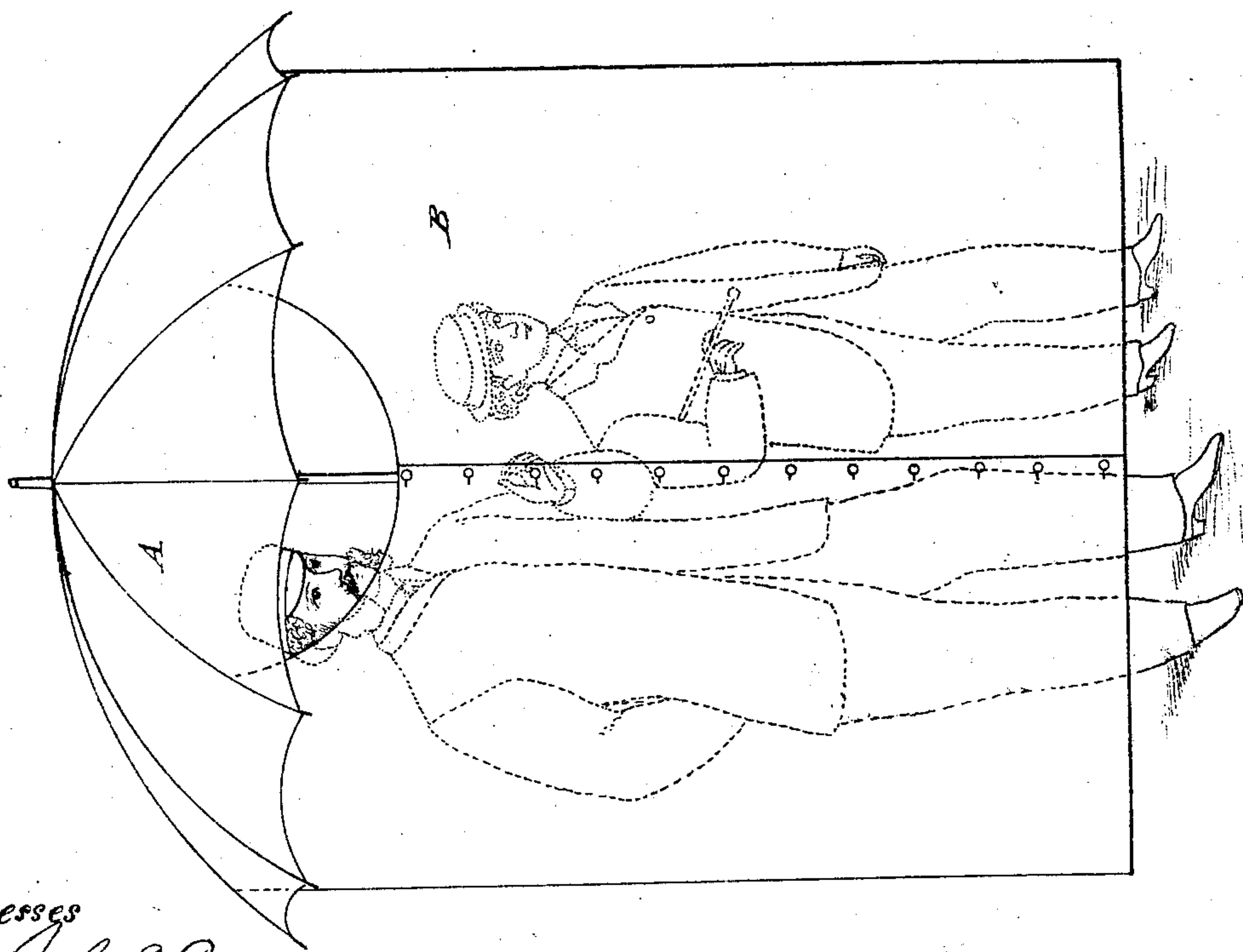
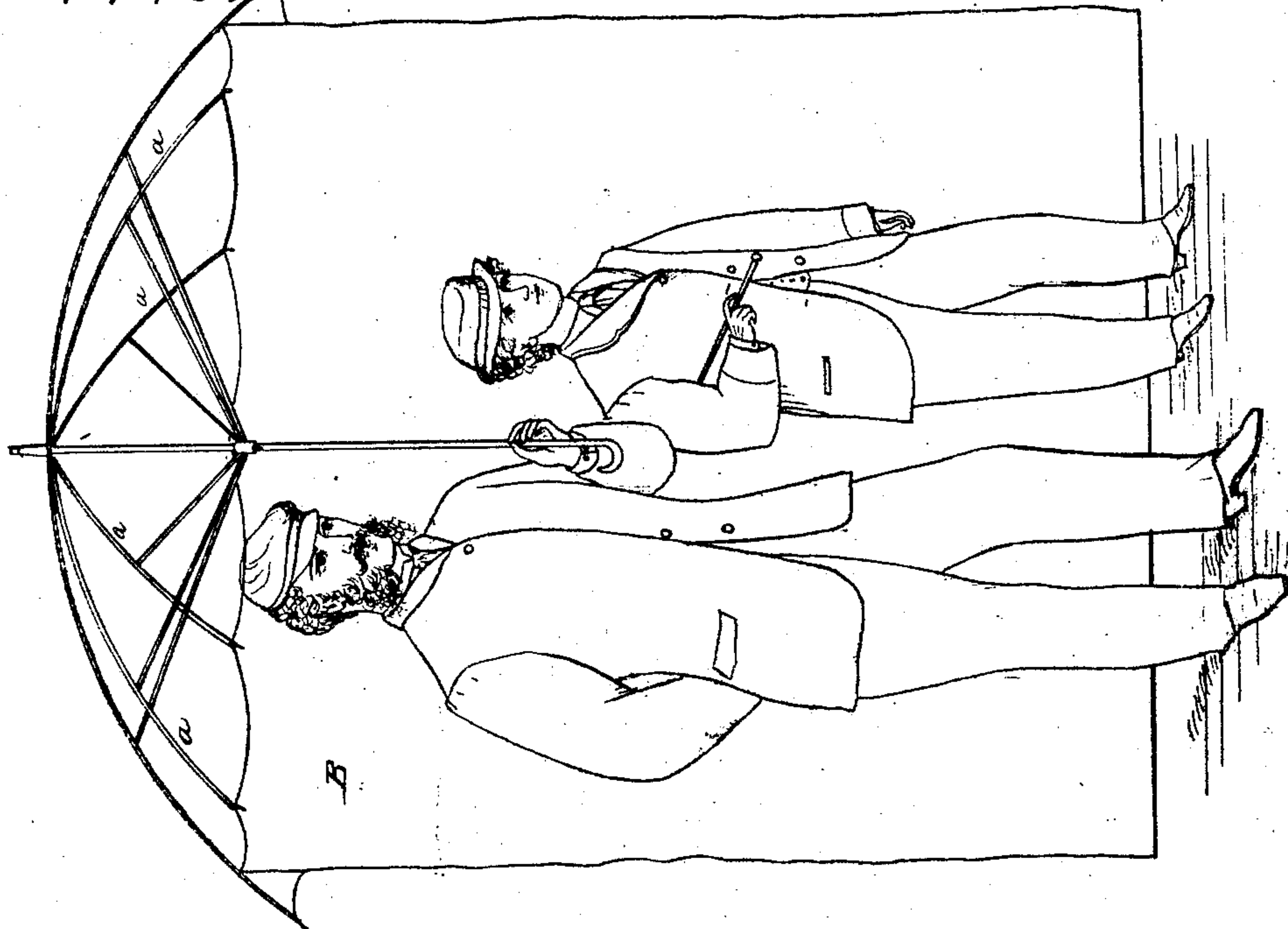


E. E. Clarke.

Umbrella.

N<sup>o</sup> 44482

Patented Sep. 27, 1864.



Witnesses

John E. Cant.  
Rufus Chapman

Inventor

E. E. Clarke

# UNITED STATES PATENT OFFICE.

ELIZUR E CLARKE, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO  
FRANKLIN N. CLARKE.

## IMPROVEMENT IN UMBRELLAS.

Specification forming parts of Letters Patent No. **44,482**, dated September 27, 1864.

*To all whom it may concern.*

Be it known that I, E. E. CLARKE, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Umbrellas; and I do hereby declare the following to be a full, clear, and exact description of the same when taken in connection with the accompanying drawings and the letters of reference marked thereon, and which said drawings constitute part of this specification, and represent, in—

Figure 1, an open umbrella with my improvement attached; and in Fig. 2, a vertical central section of the same.

My invention relates to an improvement in the common umbrella whereby that useful article is rendered a more perfect protector from storms; and it consists in attaching to a common umbrella under and at a little distance in from the edge a skirt of any kind of fabric, which extends entirely around the umbrella and down nearly to the feet of the person carrying it.

To enable others to construct my improvement, I will proceed to describe it more fully.

I attach to the ribs *a* of a common umbrella, A, hooks, loops, buttons, or their equivalent, to which to secure the skirt. I construct the skirt B from a piece of fabric (preferring waterproof cloth) of proper width to extend around the umbrella, and in length so as to extend nearly to the feet of an ordinary-sized person—say about four feet. I hang the said skirt by its upper edge to the ribs of the umbrella by means of the aforesaid hooks, loops, or buttons.

The two edges which then hang perpendicular from the umbrella I join by buttons, as shown, or may be stitched up part of the distance or otherwise closed, so as to leave an opening at the top, as shown in Fig. 1, for the person walking inside to look from, as seen in Fig. 1. The skirt may be attached to the umbrella before it is raised and opened in the ordinary manner of opening an umbrella, taking hold of the staff under the skirt, so that when spread it will cover the person or persons under it, as in the drawings.

The skirt may be made adjustable as to length by taking up at the top and attaching it to the hooks at the requisite distance down from the top; or at the bottom by rolling up as to reef, or by other devices.

Close the umbrella in the ordinary manner while the skirt is attached and remove it from the person by unbuttoning the front or otherwise; or the covering of the umbrella may be made of sufficient length beyond the ends of the ribs to extend and fall down to form the skirt with look-out the same instead of as described in a separate piece.

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

The combination of a skirt with an umbrella in the manner and for the purpose substantially as described.

ELIZUR E. CLARKE.

Witnesses:

JOHN E. EARLE,  
RUFUS SANFORD.