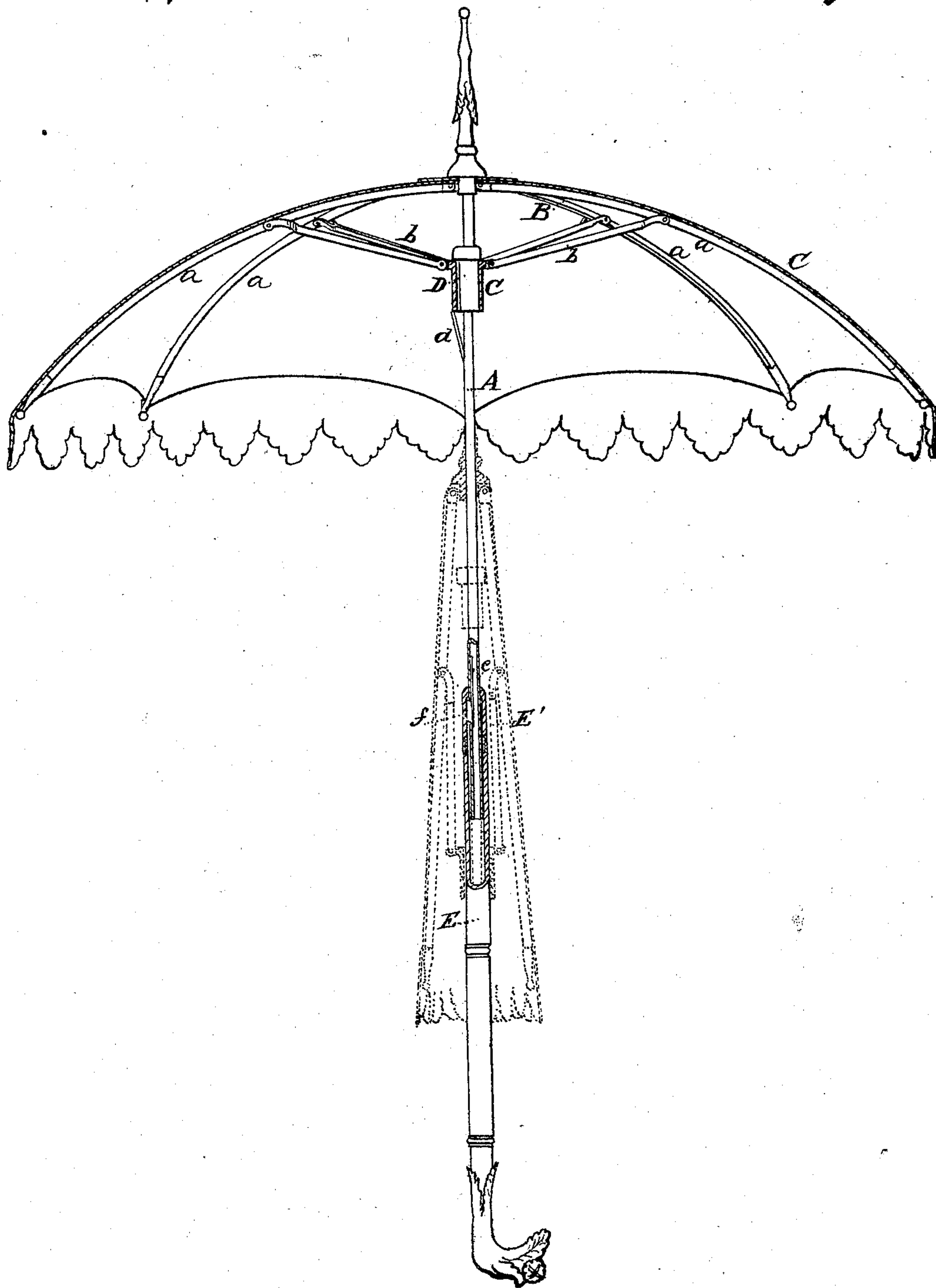


A.G. Davis.
Umbrella.

N^o 21324.

Patented Aug. 31. 1858.



UNITED STATES PATENT OFFICE.

ANTHONY G. DAVIS, OF WATERTOWN, CONNECTICUT.

SUNSHADE.

Specification of Letters Patent No. 21,324, dated August 31, 1858.

To all whom it may concern:

Be it known that I, ANTHONY G. DAVIS, of Watertown, in the county of Litchfield and State of Connecticut, have invented a new and useful Improvement in Parasols, Sunshades, and Sun-Umbrellas; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making a part of this specification, said drawing being a vertical section of my invention.

This invention consists in having the handle of the parasol, sun shade or sun umbrella, formed of two parts, one part being fitted into and allowed to slide in and out from the other, and used in connection with a stop and pressure bar, slide, ferrule and hub or boss, the whole being arranged as hereinafter shown and described, whereby the handle may be extended or lengthened as the implement is opened, and shortened as it is closed or folded. One movement or operation answering for the opening of the parasol and the extending of the handle, and one movement only for the closing of the same and the shortening of the handle.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A, represents a metallic rod to the upper end of which the bows *a*, forming the usual frame B, for a cover C, is attached, said bows having rods *b*, pivoted to them, which rods are also pivoted to a cylindrical slide *c*. The above parts are constructed in the usual way and therefore a minute description of them is not necessary.

On the upper part of the rod A, a hub or boss D, is permanently attached, and the slide *c*, bears against said hub or boss when the frame B, is opened or distended, the usual spring-catch *d*, retaining said slide against the hub or boss, as shown in black in the drawing.

The rod A, is fitted and allowed to work or slide in a rod E, which may be of metal covered with wood, india rubber or other material. In the lower part of the rod A, a spring *e*, is attached, said spring having

a short metal bar *f*, on its lower end, which bar passes through a slot in the rod A, and bears against the interior of rod E, with sufficient pressure to retain or hold rod A, in a distended state. On the upper end of the rod E, a ferrule E' is screwed, the rod A being allowed to slide through the top of the ferrule, but not the bar *f*, said bar also serving as a stop and preventing the rod A, being drawn therefrom, this will be clearly understood by referring to the drawing. The slide *c*, is made sufficiently large in diameter to work over the rod E, and the frame B, is closed by merely drawing down the slide *c*, as usual and said slide by being drawn down still farther and over the rod E, after the frame B, is closed will draw in the rod A, or, force it within rod E, as shown in red, the handle being thereby shortened when the frame B, is closed. When the frame B, is to be opened, the slide *c*, is shoved upward and when the slide *c*, touches the hub or boss D, the rod A, by shoving the slide *c*, still upward will be shoved out from rod E, and consequently the handle will be extended as the frame B, is opened.

By this improvement a simple and durable extension handle is obtained, and one that is operated or adjusted by the same movement that is required to open and close the frame of the device.

I do not claim broadly forming an extension handle of two rods, one rod sliding within the other, for this is a well known means that is employed for the handles of various tools and implements; but,

I do claim as new and desire to secure by Letters Patent,

The rod A, provided with the hub or boss D, and the pressure bar and stop *f*, in connection with the hollow or tubular rod E, provided with the ferrule E', the above parts being arranged in relation with the frame B, and slide *c*, substantially as and for the purpose set forth.

ANTHONY G. DAVIS.

Witnesses:

J. F. BUCKLEY,
M. HUGHS.