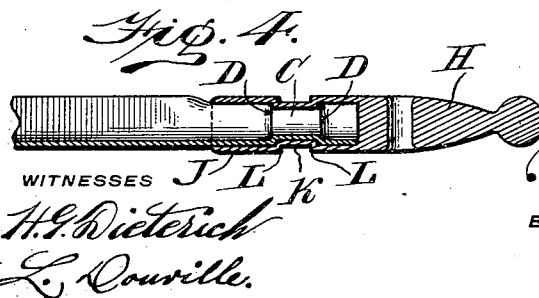
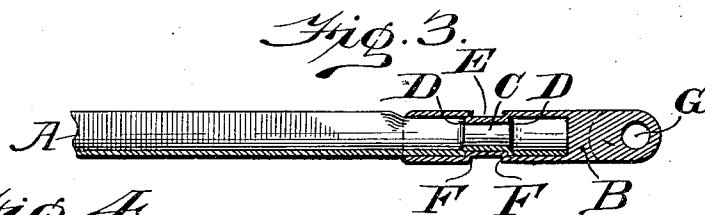
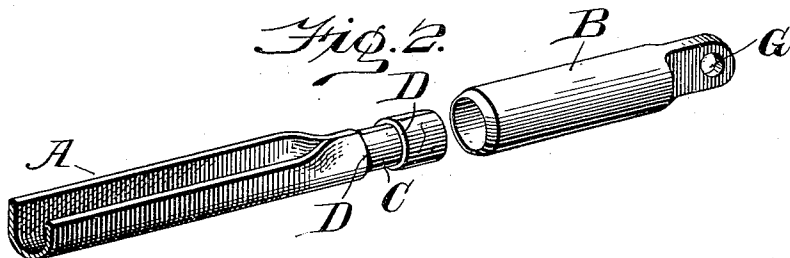
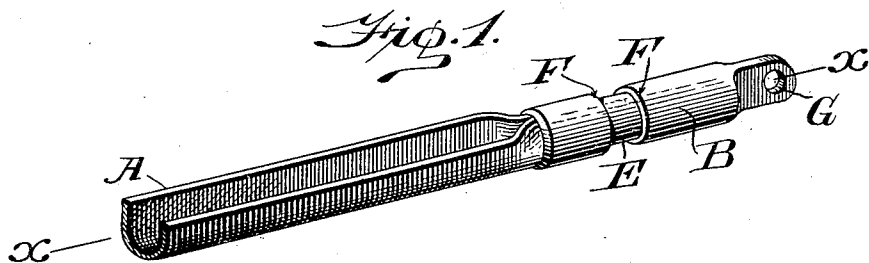


C. F. WURSTER.  
 UMBRELLA BUTT AND TIP.  
 APPLICATION FILED APR. 5, 1911.

1,007,320.

Patented Oct. 31, 1911.



INVENTOR  
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# UNITED STATES PATENT OFFICE.

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UMBRELLA BUTT AND TIP.

1,007,320.

Specification of Letters Patent. Patented Oct. 31, 1911.

Application filed April 5, 1911. Serial No. 619,067.

*To all whom it may concern:*

Be it known that I, CHARLES F. WURSTER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Umbrella Butt and Tip, of which the following is a specification.

My invention consists of a novel means for attaching a rib or stretcher member of an umbrella or parasol to the respective collar or runner, the same embodying a butt of non-corrosive metal which is formed of a sleeve inturned in circular direction, and having a portion of its length swaged or deflected inwardly from the exterior so as to produce an inturned neck and shoulder which are adapted to embrace an inturned neck and outturned shoulders on the terminal portion of a rib or stretcher and to be interlocked therewith, in a firm and durable manner, while avoiding the employment of an eye on said rib or stretcher, as heretofore practiced, while the butt is not affected by water, and thus not liable to corrode and break from its place of connection, wherefore the durability of the butt is vastly increased. The invention is equally applicable to an umbrella tip.

The invention is satisfactorily illustrated in the accompanying drawing, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a perspective view of an umbrella butt embodying my invention. Fig. 2 represents a perspective view of the same, the parts thereof being shown separated. Fig. 3 represents a longitudinal section on line *x-x* Fig. 1. Fig. 4 represents a longitudinal section of an umbrella tip embodying my invention.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings:—A designates a portion of an umbrella rib which is channeled or substantially U-shaped in cross section as seen in Figs. 1 and 2, the outer terminal being however eyeless or somewhat blunt. This U-shaped rib is formed by reducing the same in diameter or thickness

near said outer terminal into a cylindrical portion having on the exterior a neck C and outturned shoulders D at opposite ends thereof, as seen best in Fig. 1.

B designates a sleeve of non-corrosive metal or material, the same being integrally continuous unbroken in circular direction and fitted over the terminal portion of the rib and adapted to envelop the same as well as the neck C and shoulders D. The part of said sleeve which so encircles the neck and shoulders is swaged or otherwise pressed inwardly, so as to be reduced in diameter, forming the inturned neck E which enters the neck C of the rib forming also inturned shoulders F, which embracingly engage the shoulders D of the rib, thus firmly connecting the sleeve with the rib and preventing separation of the former in either direction of the length of the latter. The outer terminal of the sleeve has thereon a narrow tongue in which is the eye G for attachment to a collar or runner of an umbrella or attachment of a stretcher to a rib, it being evident that said eye is non-corrosive, similar to the sleeve B, and so it is not affected by water, and its durability is increased, and said eye may be fitted to an existing collar or runner without necessarily requiring change in the latter to receive the same.

The invention is equally applicable to an umbrella tip as shown in Fig. 4, where H designates the tip, the same having a sleeve or tubular portion J which is fitted over the end of a rib and has an inturned neck K, and shoulders L at the terminals thereof, while the rib is constructed as shown in Fig. 3 with the inturned neck C and shoulders D, the necks and shoulders respectively interlocking and forming a firm connection for the tip with the rib.

Owing to the swaging of the portion of the sleeve to convert it into the inturned neck E, the metal is upset at said portion, whereby the line of its grain is changed and said neck possesses great holding power on the neck C of the umbrella member.

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

An umbrella member substantially U-shaped in cross section and formed at one

end with a cylindrical portion having on the exterior a neck with outturned shoulders at opposite ends thereof and a sleeve embracing said cylindrical portion and having a  
5 portion thereof provided with a neck and inturned shoulders, the neck of said sleeve being received within the neck of the said

member and the shoulders of said member and sleeve interlocking.

CHARLES F. WURSTER.

Witnesses:

JOHN A. WIEDERSHEIM,  
N. BUSSINGER.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."

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