

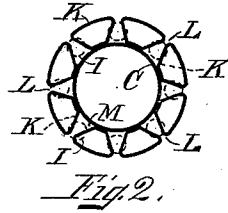
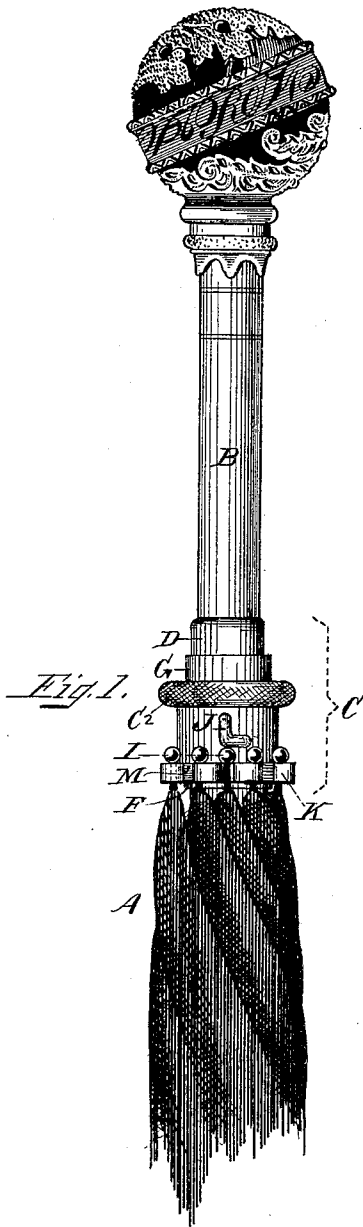
(No Model.)

2 Sheets—Sheet 1.

P. R. WYLIE.
COMBINED RUNNER AND TIP RETAINER.

No. 496,029.

Patented Apr. 25, 1893.



Witnesses:
H. E. Runkle Jr. Parker R. Wylie.
M. V. B. Ethridge

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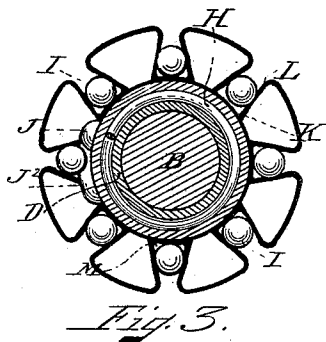


Fig. 3.

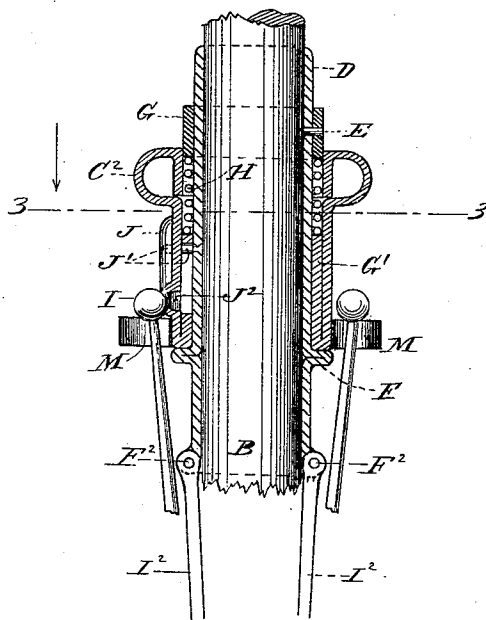


Fig. 4.

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Inventor
Parker R. Wylie.
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UNITED STATES PATENT OFFICE.

PARKER R. WYLIE, OF CHELSEA, MASSACHUSETTS.

COMBINED RUNNER AND TIP-RETAINER.

SPECIFICATION forming part of Letters Patent No. 496,029, dated April 25, 1893.

Application filed September 24, 1891. Serial No. 406,697. (No model.)

To all whom it may concern:

Be it known that I, PARKER R. WYLIE, a citizen of the United States, and a resident of Chelsea, in the county of Suffolk and State of Massachusetts, have invented a certain new and useful Improvement in Umbrella-Runner Tubes, of which the following, taken in connection with the accompanying drawings, is a specification.

The object of my present invention is to cheaply produce a permanent, convenient and adaptable device to umbrella runner tubes, and its purpose is to easily confine and quickly liberate the terminals of the umbrella ribs, in a manner and to the end that the folds of the fabric, with their attached ribs, may lie more compactly than through the use of the confining tape or band, as at present universally in use.

My present invention embraces certain novel and useful features not existing therein, and I therefore consider it an improvement thereupon. The function of the several parts, their construction and co-operation will be readily comprehended through reference to the drawings hereunto annexed, forming a part of this specification, wherein similar letters indicate corresponding features throughout the several views.

In said drawings, Figure 1, exhibits the application of my invention to an umbrella, confining the ribs or terminals thereof, Fig. 2, being a plan of the immediate portion embracing said terminals, eliminated from other features of the invention. Fig. 3, designates a transverse enlarged section of the assembled parts, on dotted line 3—3 of Fig. 4, Fig. 4, exhibiting the same in longitudinal section.

Referring to the letters, A, designates an umbrella in part, having attached to its staff B, my improved runner and rib retainer broadly indicated as C, the components being clearly illustrated and hereinafter described in the remaining views.

I will proceed in the description of the various parts from the staff B, outwardly. Surrounding the latter, then, I place the runner-tube D, which terminates near the bottom of the retainer with an upset annular projecting rim or bead F, forming a shoulder or stop for the rib-retainer C, in its lowest position, and also at the bottom with bearings F² for the

stretchers I². The abutting collar or bead arresting its upward movement is shown at G, surrounding said runner-tube D, to which it is confined in the manner shown at E, or it may be constructed integral with the runner-tube. Below said collar G, is a corresponding collar or tube G', which slides upon the tube D, and which is integral with the retainer C, moving, of course, with it. The further purpose of this feature G', is to fill the space intervening between the runner-tube D, and the retainer proper C, in a manner to leave between the adjacent rims of the latter and the collar G, a circular chamber, wherein rests the expansion spring H, the office of which is to force the retainer C, down upon the annular rim or shoulder F, while confining the terminals shown at I. To actuate the part C, I form its upper end into the semi-circular, or other convenient form, as exhibited at C². For convenience in manipulating my retainer, it may be desirable to suspend the action of the spring H, momentarily, while aggregating said terminals. This I accomplish by any of the well known expedients, preferably the bayonet-lock illustrated wherein the depression J, forms a vertical and horizontal connected rest within the inside face of the retainer C adapted to receive a stop-pin J' springing from, and attached to the runner tube piece D, in a manner to hold said part C above the terminals momentarily, as previously stated, by raising the retainer and causing said pin to move into the horizontal rest J² by rotating sufficiently the retainer surrounding said tube piece. In constructing that portion adapted to receive the rib tips, I design the walls K, forming said openings, to be of metal, that will yield in such a manner that the terminals I, may enter through the mouths L, when pressure is exerted upon them outwardly, or down through the openings M, if the pressure on the retainer is in the opposite direction, the walls K, having sufficient yielding elasticity to admit said terminals in either direction. In liberating them simultaneously, manual pressure in the direction of the handle retracts the spring H, the walls K, yielding as before described, and the openings are withdrawn from the ribs or terminals. The advantage of thus restraining the ends of the

umbrella ribs from contact with the clothing, often to the detriment of one's apparel or the article itself, I think will be obvious.

Having described my invention and ascertained its use, I claim—

5 A combined runner and tip retainer, comprising a runner tube, annular beads thereon, a double sleeve retainer supported between said beads, and having dove-tailed spring
10 passages through which the rib tips may pass, a spring between the end of the inner sleeve of the retainer and one of said annular beads,

against which spring the retainer may be retracted, and means for retaining the said retainer in its retracted position.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 21st day of September, A. D. 1891.

PARKER R. WYLIE.

Witnesses:

EMMONS K. WYLIE,
HATTIE E. BLAKE.