

(No Model.)

J. ROSE.
TUBULAR UMBRELLA STICK.

No. 504,944.

Patented Sept. 12, 1893.

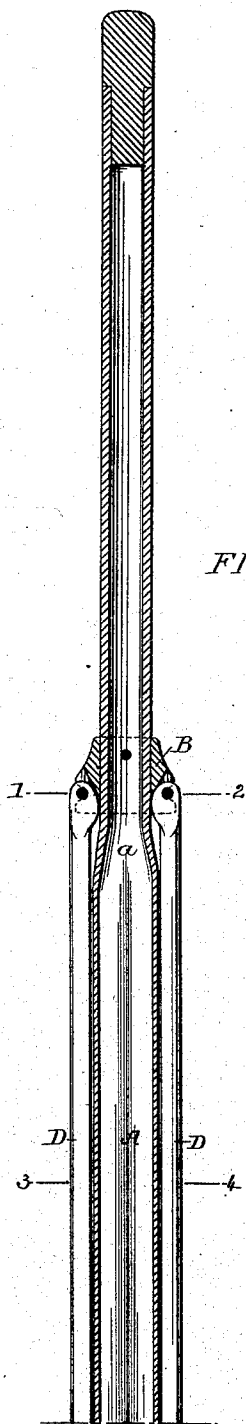


FIG. 1.

FIG. 2.

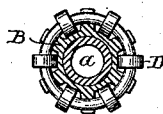
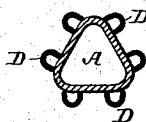


FIG. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN ROSE, OF PHILADELPHIA, PENNSYLVANIA.

TUBULAR UMBRELLA-STICK.

SPECIFICATION forming part of Letters Patent No. 504,944, dated September 12, 1893.

Application filed January 23, 1893. Serial No. 459,329. (No model.)

To all whom it may concern:

Be it known that I, JOHN ROSE, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain

Improvements in Tubular Umbrella-Sticks, of which the following is a specification.

My invention relates to tubular metal sticks for umbrellas and parasols, the object of my invention being to so construct such a stick as to increase the strength of the same at the point where the rib carrying notch is applied, to provide for the fitting of the ribs snugly against the stick throughout their length, and to reduce the bulk of the umbrella or parasol. This object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1, is a longitudinal section of a tubular metal stick for umbrellas and parasols constructed in accordance with my invention, the notch being also shown in section, and two of the ribs in elevation. Fig. 2, is a sectional plan on the line 1—2, Fig. 1; and Fig. 3, is a sectional plan on the line 3—4, Fig. 1.

A represents a metal tube adapted to be employed as a stick for an umbrella or parasol, but instead of being of uniform thickness and cross sectional area throughout, this tube is drawn down at the point *a* to a smaller size, the drawing operation having at the same time the effect of thickening the metal as shown in Fig. 1. This drawn down and thickened portion of the stick extends from the ferrule end of the same to and slightly beyond the point at which the notch B is applied so that said notch can be of small diameter and will receive the enlarged and flattened ends of the ribs D without throwing the said ribs outward beyond the surface of the main body of the stick, but will permit said ribs to fit snugly against the body of the stick as shown in Figs. 1 and 3, thus providing for the compact rolling of the umbrella without decreasing the size of the main body of the stick which can be of a size amply large enough for the reception of the usual runner retainers. The thickening of the tube at the point where the notch is applied thereto stiffens and strengthens the tube at that point, and is thus of advantage

independently of the compactness arising from the construction as above set forth.

Although my invention is applicable to cylindrical sticks the body of the stick which I have shown in the drawings is of triangular form as shown in Fig. 3, so as to permit the ribs to fold more closely together than they could if the stick were round, and other polygonal forms of stick may be used for the same purpose, but the drawn down portion is preferably cylindrical, so as to fit snugly to the usual notch with circular opening therein, as shown in Fig. 2.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. A tubular metal stick for umbrellas or parasols, said stick being drawn down near one end so that the tubular end portion of the stick is reduced in diameter and increased in thickness as compared with the body of the stick, substantially as specified.

2. The combination of the tubular metal stick drawn down near one end so that the tubular end portion of the stick is of less diameter than the body, with the notch applied to said reduced tubular portion of the stick, and the ribs hung to the notch and fitted snugly against the enlarged body of the stick, substantially as specified.

3. A tubular metal stick for umbrellas or parasols, said stick having a body of polygonal cross section, but being drawn down near one end so that the tubular end portion of the stick is reduced in size and increased in thickness as compared with the body of the stick, substantially as specified.

4. A tubular metal stick for umbrellas or parasols, said stick having a body of polygonal cross section, but being drawn down near one end so that the tubular end portion of the stick is of circular cross section and of less diameter but of greater thickness than the body of the stick, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN ROSE.

Witnesses:

FRANK E. BECHTOLD,
JOSEPH H. KLEIN.