

O. M. SMITH
Umbrella-Notch Ring.

No. 212,997.

Patented Mar. 4, 1879.

Fig. 1.

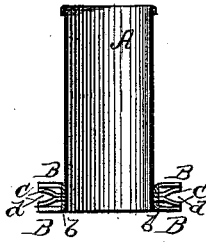
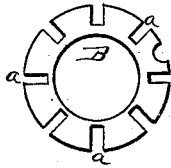


Fig. 2.



Witnesses:
H. C. McArthur
A. L. Smith

Inventor:
Owen M. Smith
Per
J. H. Alexander Halliwell
Attorney.

UNITED STATES PATENT OFFICE.

ORREN M. SMITH, OF FRANKFORD, PENNSYLVANIA, ASSIGNOR TO
S. W. EVANS & SON, OF SAME PLACE.

IMPROVEMENT IN UMBRELLA-NOTCH RINGS.

Specification forming part of Letters Patent No. 212,997, dated March 4, 1879; application filed
January 9, 1879.

To all whom it may concern:

Be it known that I, ORREN M. SMITH, of Frankford, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Umbrella Runners and Notches; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to runners and notches for umbrellas and parasols, and has for its object to allow the stretchers and ribs to lie close to the stick for the purpose of making the umbrella or parasol as small in bulk as possible.

To this end the nature of my invention consists in the peculiar construction of the nicked ring for the runner or top notch, as will be hereinafter more fully set forth, and pointed out in the claims.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a longitudinal section of an umbrella-runner with ring embodying my invention. Fig. 2 is a view of one of the plates of which the ring is composed.

A represents the body of an umbrella-runner, to which the nicked ring is attached. This ring is composed of four sheet-metal rings, B B and C C. The two outer rings, B B, are stamped flat, with the metal around the edge of the central hole turned inward to form a flange, *b*, which allows the nicks *a a* in each ring to be cut down close to the body of the runner, and still be strong. The rings C C are stamped so as to bend outward, leaving a very narrow rim straight around the center hole. These rings are all put on the body, the middle rings, C C, fitting between the flanges *b b* of the outer rings, B B, and flaring outward so as to coincide with the outer edges of the outer rings, and form the groove at *d* to

receive the wire. After the rings have been thus pressed together on the body, they are soldered fast, and make a cheap and durable runner.

By turning in the necks at *b* of the outside plates, B B, I am enabled to do away with necks on the inside plates.

The peculiar construction of the rings or plates B C, as shown and described, is of great importance, as thereby the runner can be made sufficiently strong, and at the same time the nicks be as deep as desired, to allow the stretchers of the umbrella to lie close to the stick—an object which is always desired, so as to make the umbrella as small in bulk as possible.

My invention is applicable for both runners and notches for umbrellas and parasols.

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

1. In a nicked ring for runners and notches composed of four plates, the outside plates, B B, stamped flat, with inwardly-projecting flanges *b b* around the center openings, for the purposes set forth.

2. In a nicked ring for runners and notches composed of four plates, the inside plates, C C, stamped in inclined form, with a flat or straight narrow rim around the center openings, for the purpose set forth.

3. As a new article of manufacture, a runner or notch ring for umbrellas and parasols, composed of four plates or rings, B B and C C, the outer rings, B B, being stamped flat, with flanges *b b* around the center openings, and the inside rings, C C, stamped inclined, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ORREN M. SMITH.

Witnesses:

BENJ. H. FOULKROD,
WM. B. HILT.