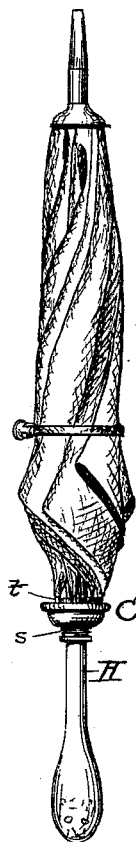
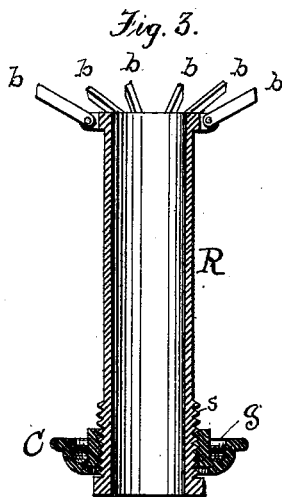
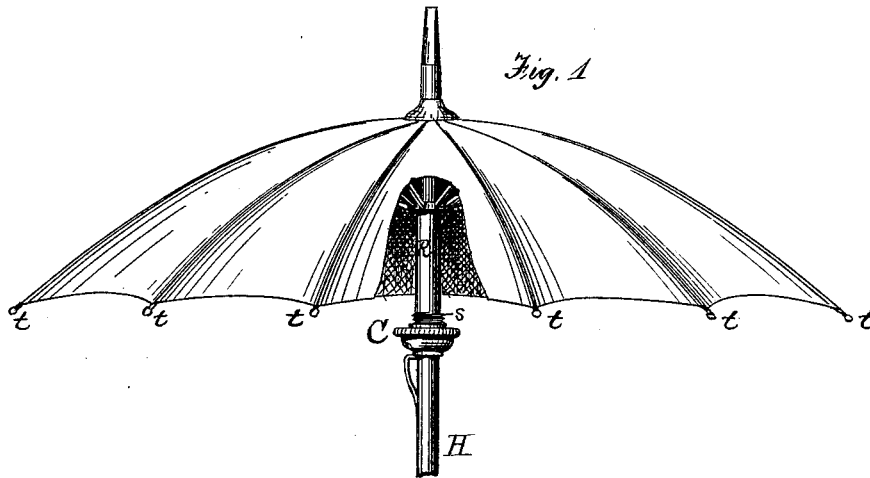


T. G. HOJER.
 UMBRELLA-RUNNER.

No. 189,460.

Patented April 10, 1877.



Witnesses;
 Grenville Lewis
 D. D. Howl

Inventor
 Thomas G. Hojer,
 By his Attorneys,
 Stansbury & Lunn.

UNITED STATES PATENT OFFICE.

THOMAS G. HOJER, OF NEW YORK, N. Y.

IMPROVEMENT IN UMBRELLA-RUNNERS.

Specification forming part of Letters Patent No. **189,460**, dated April 10, 1877; application filed August 8, 1876.

To all whom it may concern :

Be it known that I, THOMAS G. HOJER, of New York, N. Y., have invented a new and useful Improvement in Umbrella-Runners; and I do hereby declare the following to be a full and correct description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of an umbrella open, and having my improved runner attached. Fig. 2 is a similar elevation of an umbrella closed, showing the tips of the ribs held by the cap. Fig. 3 is a separate view in section of the runner on an enlarged scale.

The same letter indicates the same part wherever it occurs.

The nature of my invention consists in making the cap, which receives and holds the tips of the ribs when the umbrella is closed, a part of the runner, instead of attaching it to the handle, as has heretofore been done.

The advantages are that the runner is more easily handled, the umbrella is much more neat and sightly, and the cap is out of the way when it is not needed for use.

In the drawing, which clearly illustrates the invention, H marks the handle or rod of the umbrella; R, the runner; *b b*, the braces, and

C, the cap. The braces *b* are pivoted to the upper end of the runner in the ordinary way, and its lower end is threaded at *s* to receive the cap C, which screws up and down upon it. The cap C is provided with an annular groove, *g*, which receives the tips *tt* of the ribs, when the umbrella is closed. To hold the tips securely, the cap is screwed up on the runner, and to release them to permit the umbrella to be opened, the cap is screwed down till the tips escape from the groove *g*.

I do not claim the holding of the tips of umbrella-ribs in a grooved cap, which is screwed up and down to fix or release them, as I have described that invention in a previous application; but

What I claim is—

The combination of the screw-cap C, with the runner R of an umbrella, in the manner and for the purpose set forth.

The above specification of my said invention signed and witnessed at New York, this 7th day of August, A. D. 1876.

THOMAS G. HOJER.

Witnesses:

CHAS. SCHAFFNER,
E. H. KENT.