

L. CUTTING.
TIP-CUPS FOR UMBRELLAS.

No. 187,520.

Patented Feb. 20, 1877.

Fig. 1.

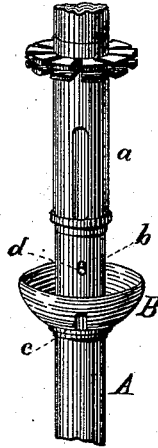


Fig. 2.

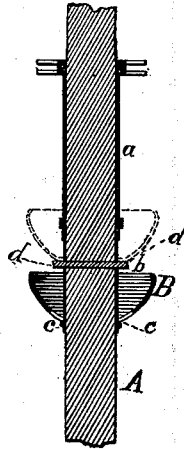
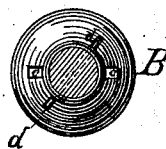


Fig. 3.



Attest:
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UNITED STATES PATENT OFFICE

LEWIS CUTTING, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN TIP-CUPS FOR UMBRELLAS.

Specification forming part of Letters Patent No. **187,520**, dated February 20, 1877; application filed January 8, 1877.

To all whom it may concern:

Be it known that I, LEWIS CUTTING, of the city and county of San Francisco, in the State of California, have invented a new and useful Improvement in Tip-Cups for Umbrellas and Parasols, of which the following is a specification:

The object I have in view is to provide the ordinary tip-cup with a simple, convenient, and cheap means for locking the same over the tips of the umbrella-ribs without the use of springs, as heretofore; and my invention therein consists in the tip-cup provided with slots, in combination with the cylinder on the stick, upon which the said tip-cup slides, and a pin passing through the stick and the cylinder, and projecting on each side of the same.

To enable others skilled in the art to manufacture my device, I proceed to describe the same, having reference to the drawings, in which—

Figure 1 is a perspective view of a portion of the stick of an umbrella or parasol with my improved tip-cup attached thereto; Fig. 2, a sectional view of the same, showing, in dotted lines, the position of the tip-cup when locked over the tips of the ribs of an umbrella or parasol; and Fig. 3, an end view with the tip-cup locked in position.

Like letters denote corresponding parts in each figure.

A represents the stick of an umbrella or parasol, having the usual runner *a*. B is the tip-cup, of the ordinary form, sliding freely for a short distance upon a metallic sleeve-cylinder, *b*, secured to the umbrella-stick. Two or more slots, *c*, are formed in the tip-cup, at its inner edge, and a pin, *d*, projects from each side of the cylinder *b*, with which they engage. This pin passes entirely through the stick and the cylinder, holding such cylinder securely in position on the stick, and at

the same time projects at both ends beyond the walls of the cylinder to lock the tip-cup.

In operation, the umbrella or parasol is closed, and the tips of the ribs folded closely around the stick. The tip-cup is then turned to bring the slots into line with the projections, and is dropped over the tips, when, by a slight movement to either side, it will be locked under the projections. When it is desired to open the umbrella or parasol, the tip-cup is again turned so as to bring the slots and projections into line, and, by sliding upwardly, releases the tips.

It will be seen that when it is not desired to lock the cup over the tips when the umbrella is closed, the cup can be turned so that it will be held by the pin above such tips, and prevented from dropping down in the way of or over the same.

The advantages of my device lie principally in its cheapness and simplicity, and also in the convenience with which it can be operated, and in its durability.

I am aware of the patent granted H. B. Stillman, January 4, 1876, and hereby disclaim the same; but,

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

In an umbrella or parasol, the combination, with the stick *A*, of the cylinder *b*, the pin *d*, passing through the said stick and cylinder, the tip-cup *B*, and the slots *c* in such tip-cup, all constructed and arranged substantially as described and shown.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 26th day of December, 1876.

LEWIS CUTTING. [L. s.]

Witnesses:

WILLIAM HARNEY,
EDWARD E. OSBORN.