B. J. RILEY.
Umbrella Tip-Cups.

No. 195,952. Patented Oct. 9, 1877.

Fig. 1.

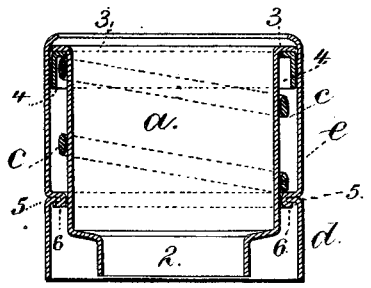
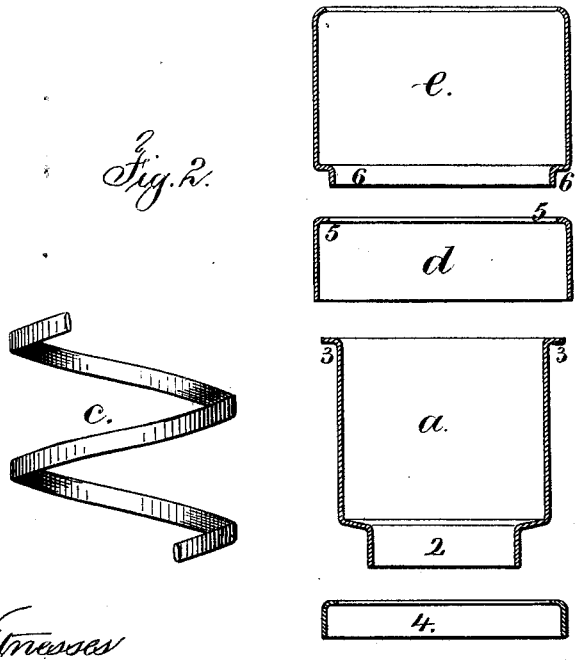


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

BERNARD J. RILEY, OF KEARNEY, NEW JERSEY.

IMPROVEMENT IN UMBRELLA TIP-CUPS.

Specification forming part of Letters Patent No. **195,952**, dated October 9, 1877; application filed May 3, 1877.

To all whom it may concern:

Be it known that I, BERNARD J. RILEY, of Kearney, in the county of Hudson and State of New Jersey, have invented an Improvement in Tip-Cups for Umbrellas and Parasols, of which the following is a specification:

The handle portion of umbrellas and parasols is usually larger than the parasol-stick, and frequently a metal band is applied around the handle near its junction with the stick. I apply the spring tip-cup at this place, and construct a socket to fit upon the end of the handle portion, which socket has a flange for one end of a spring, and around the socket is a two-part cylinder having an inward flange for the other end of the spring, which flange is formed by the interlocking portions that unite the two parts of the cylinder together. The end of this cylinder next the umbrella forms the tip-cup.

By this peculiar construction a reliable flange for the spring to act against is formed, and there is no risk of the same bending or allowing the end of the spring to become caught.

In the drawing, Figure 1 is a vertical section of the parts complete; and Fig. 2 represents the parts in section and detached from each other, the parts being shown in enlarged size in both figures.

The socket *a* is adapted to fit upon the end of the handle at the junction thereof with the stick, and at the end 2 it is contracted to a size to fit the said stick. At the end 3 a flange is turned over to form a bearing for the wire spring *c*, one end of which either rests against the said flange 3 or against an intermediate ring, 4, of stiffer metal.

The cylinder surrounding the socket *a* and spring *c* is shown as formed of two parts, *d* and *e*, that are joined together at the double inward flanges 5 and 6, the flange 6 having a rim upon its inner edge that is turned over the inner edge of the flange 5, so as to lock the parts together and form a firm, reliable abutment, against which the spring *c* presses.

The portion *d* of the cylinder forms the tip-cup, and it is drawn back so as to receive the tips by seizing the cylinder *d* *e* in the hand and drawing it up toward the handle.

The upper end of the cylinder *e* is contracted or bent over, as in Fig. 1, sufficiently to prevent it slipping off the socket *a*.

I claim as my invention—

1. The tip-cup *d* and cylinder *e*, united together by the interlocking inward flanges 5 and 6, in combination with the socket *a*, flange 3, and spring *c*, substantially as set forth.

2. The ring 4 between the spring *c* and the flange 3 of the socket *a*, in combination with the cylinder *e* and tip-cup *d*, united by the interlocking flanges 5 and 6, against which one end of the helical spring *c* presses, as set forth.

Signed by me this 12th day of September, A. D. 1876.

BERNARD J. RILEY.

Witnesses:

GEO. T. PINCKNEY,

CHAS. H. SMITH.