

G. W. McCLINTOCK.
Umbrella Tip-Cup.

No. 222,193.

Patented Dec. 2, 1879.

Fig. 1

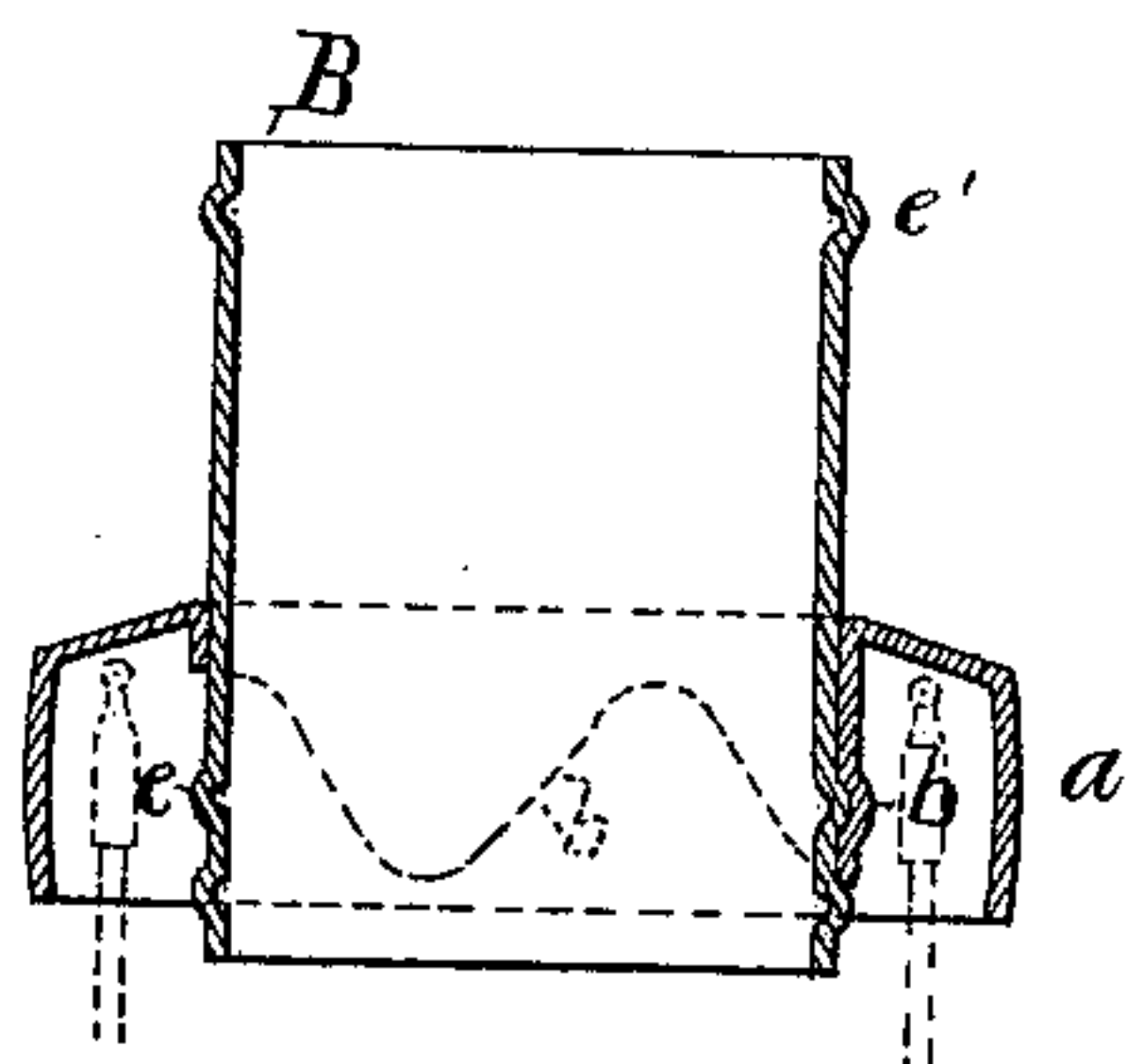


Fig. 2

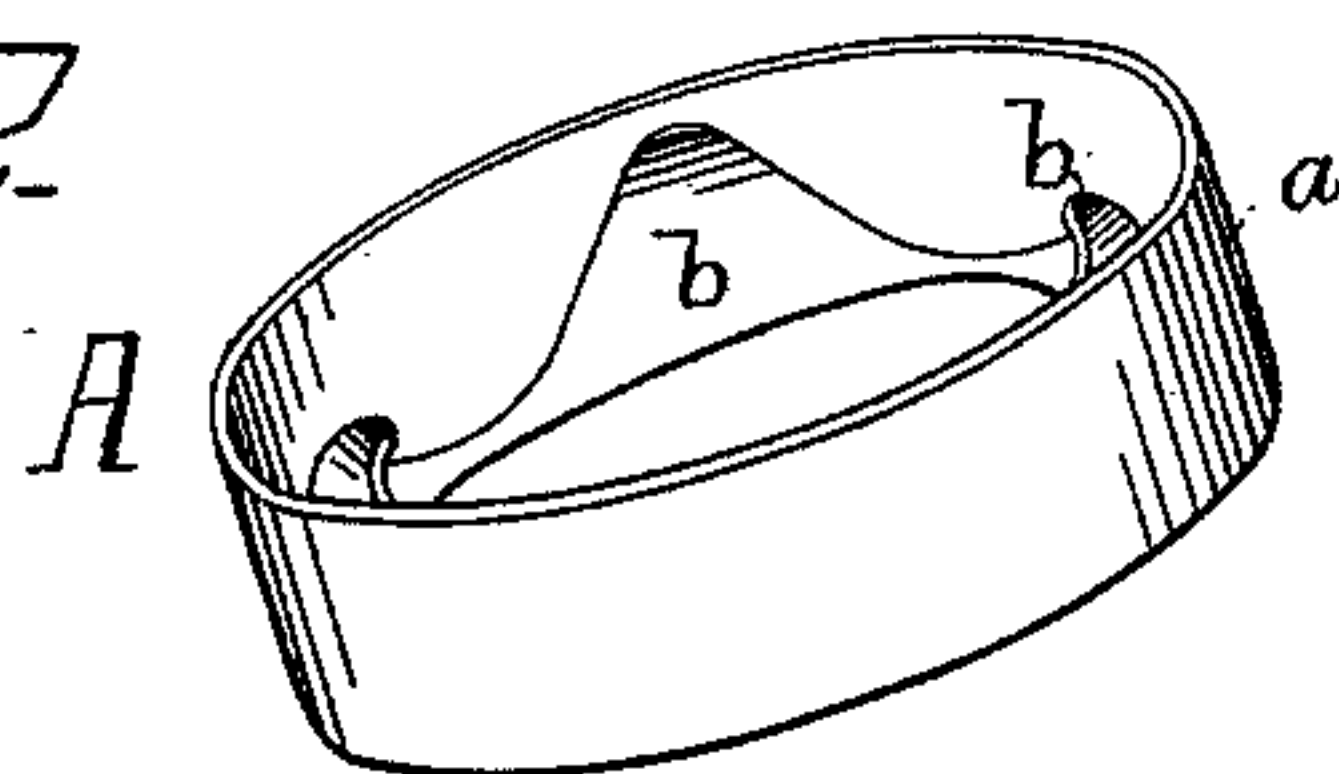
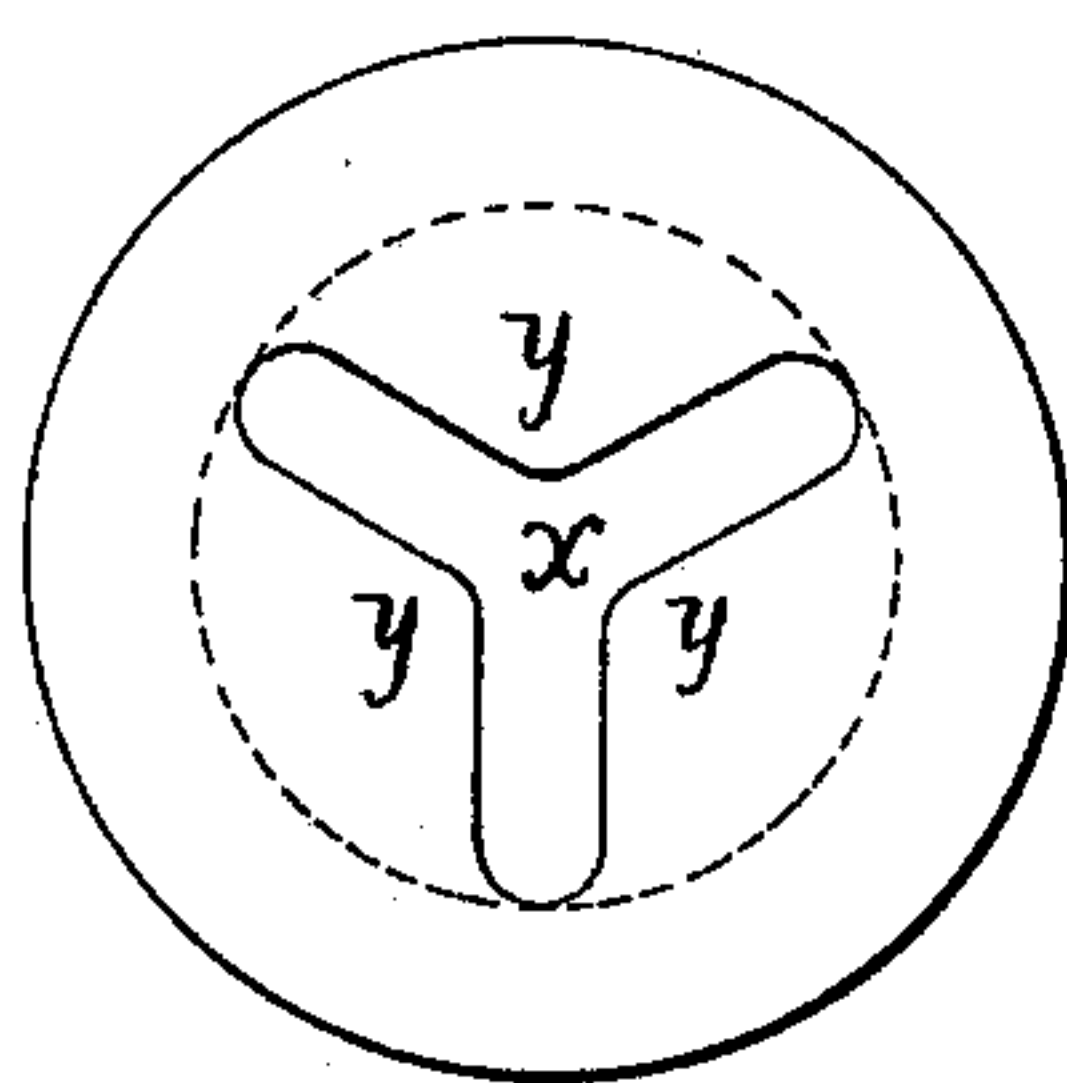


Fig. 3



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UNITED STATES PATENT OFFICE.

GEORGE W. McCLINTOCK, OF WATERBURY, CONNECTICUT, ASSIGNOR TO
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IMPROVEMENT IN UMBRELLA TIP-CUPS.

Specification forming part of Letters Patent No. **222,193**, dated December 2, 1879; application filed
September 17, 1879.

To all whom it may concern:

Be it known that I, GEORGE W. McCLINTOCK, of Waterbury, county of New Haven, State of Connecticut, have invented an Improvement in Umbrella Tip-Holders, of which the following is the specification.

My invention is a holder for the tips of umbrellas, constructed as fully described hereinafter, so as to securely retain the ends of the ribs when the umbrella is closed, permit the same to be readily released, and reduce the expense of manufacturing the article.

In the drawings forming part of this specification, Figure 1 is a sectional view illustrating my invention; Fig. 2, a perspective view of the holder inverted; and Fig. 3, a view illustrating the mode of manufacture.

The holder A consists of a cap, having a flange, *a*, constructed to receive and hold the tips of the ribs in the usual manner, and provided with internal flexible spring-fingers, *b*, at a distance inside of, but parallel to, the flange *a*. The fingers *b* are curved inward or notched at the lower ends, so that when the cap covers the tips the notches of said fingers will receive a rib, *e*, either upon the stick of the umbrella or upon a tube, B, constructed to receive said stick, and provided with a second rib, *e'*, for limiting the outward movement of the cap.

The spring-fingers *b* guide the cap and prevent it from tilting as it slides upon the stick or tube, yield readily to permit the ends to pass over the rib *e*, and spring inward and clasp said rib firmly, holding the cap in place

until sufficient force is applied by hand to withdraw it, the effect depending not upon the friction or pressure of the fingers, but on the catching of the latter upon the rib.

The cap may be made in various ways. I prefer to spin or draw it from malleable metal, punch a branched opening, *x*, in the center, (shown in Fig. 3,) and then bend down portions *y* between the branches of the openings to form the spring-fingers.

It will be apparent that the number of fingers may vary, and that the combined cap and tube B shown in Fig. 1 constitute an attachment adapted for application to the handle of an umbrella without any change in the construction of or addition to the latter.

I claim—

1. The combination of the cap A, its bent spring-fingers *b*, and rib *e* upon the umbrella-stem, substantially as set forth.

2. The cap A, consisting of a single piece of metal drawn up to form the flange *a*, and spring-fingers *b*, bent or notched, substantially as set forth.

3. The combination of the tube B, its ribs *e e'*, cap A, its flange *a*, and bent spring-fingers *b*, substantially as specified.

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

GEO. W. McCLINTOCK.

Witnesses:

G. W. TUCKER,
W. H. COOKE.