

W. H. ELLIS.
Umbrella Drip-Cup.

No. 218,508.

Patented Aug. 12, 1879.

Fig. 1.

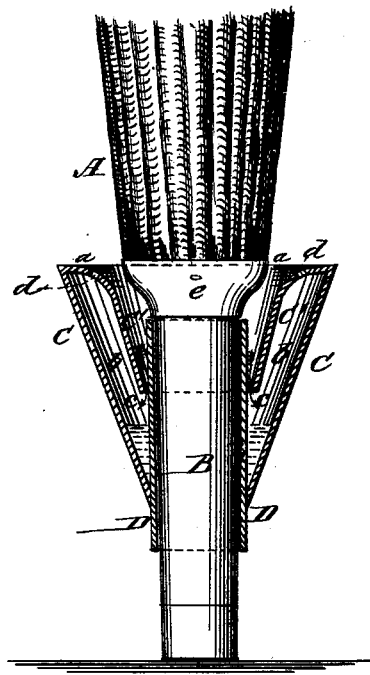
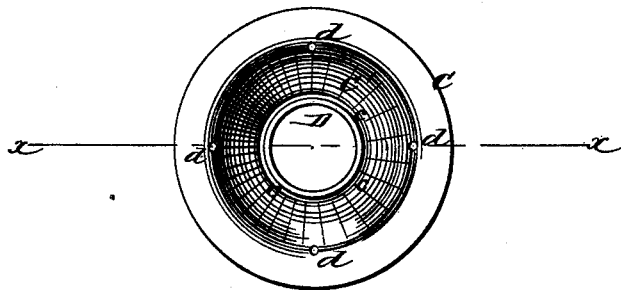


Fig. 2.



WITNESSES:

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IMPROVEMENT IN UMBRELLA DRIP-CUPS.

Specification forming part of Letters Patent No. **218,508**, dated August 12, 1879; application filed June 21, 1879.

To all whom it may concern:

Be it known that I, WILLIAM H. ELLIS, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Drip-Cup for Umbrellas, of which the following is a specification.

The object of my invention is to provide a cup for catching the drip-water from umbrellas, adapted to be attached permanently to the lower end of the umbrella.

It consists of two conical cups connected together at the base, the outer one joined at its smaller end to a tube, into which the lower end of the umbrella-stick is entered and secured so that the cup is just under the umbrella, whereby, when the umbrella is folded up, the water runs down and is caught and retained in the chamber between the two cups, from which it slowly runs out through the perforations in the connected base of the cones when the umbrella is again lifted or reversed.

In the accompanying drawings, Figure 1 represents the lower end of an umbrella with the improved drip-cup (in section on line *x x*, Fig. 2) applied thereto; and Fig. 2 is a top plan of the improvement.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A is the umbrella, and B is the end of the stick or handle protruding through the end thereof. C C' are the two conical cups, placed one within the other, and the base *a* of the inner cone is curved outward and joined to the base of the outer one, as shown, leaving thus a space, *b*, between the two.

D is a central tube, which is passed down through the cups and joined to the lower and smaller end of the outer one, so that its lower end projects out, while its upper end is some distance within the cup.

Between the smaller end of the inner cup and the tube is a slight annular space, *c*, and in the curved base *a* are small perforations *d*.

The device is applied as follows: The end B of the umbrella-stick is thrust down through tube D from the base or larger end of the cup, so as to project and allow the upper end

of the tube to bear against the collar *e*, placed over the stick next to the fastened end of the cover. This carries the base end of the cup to a level with the upper edge of the collar, as shown.

Now, when the umbrella is wet, and, having been shut, is turned down, so as to rest on its end B, the water running from the cover passes down in conical cup C', and from there passes down through annular space *c*, as shown by the arrows, and collects in the space inclosed between the walls of cup C and tube D, as indicated by the dotted lines.

When the umbrella is reversed or lifted the accumulated water runs down in the space *b* and settles on the base *a*, from whence it passes out through perforations *d*, and thus empties the drip cup. In this way the water running from the umbrella is collected and prevented from running on the carpets, floors, &c., and is readily emptied from the cup when necessary.

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

1. A drip-cup for umbrellas composed of two conical cups, C C', one within the other, and joined at the base, leaving a space, *b*, between them, in combination with a central tube, D, joined to the smaller end of cup C, leaving an annular space, *c*, between it and the end of cup C', so as to permit the water to run down through and collect in the lower part of cup C, as and for the purpose substantially as described.

2. A drip-cup composed of two conical cups, C C', joined together at the base, and central tube, D, connected with the outer cup, C, leaving a space, *c*, between it and the inner cup, C', for the passage of the drip-water, said cup being provided with perforations *d* in the base *a*, for the water to pass through in emptying the cup, in combination with the umbrella A and stick B, substantially as described.

WILLIAM H. ELLIS.

Witnesses:

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C. SEDGWICK.