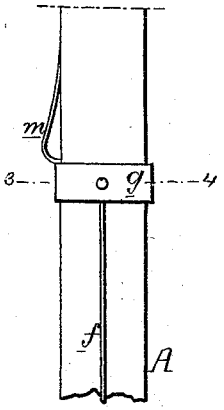
G. R. AYRES.

UMBRELLA DRIP-CUP.

No. 184,318. Patented Nov. 14, 1876.



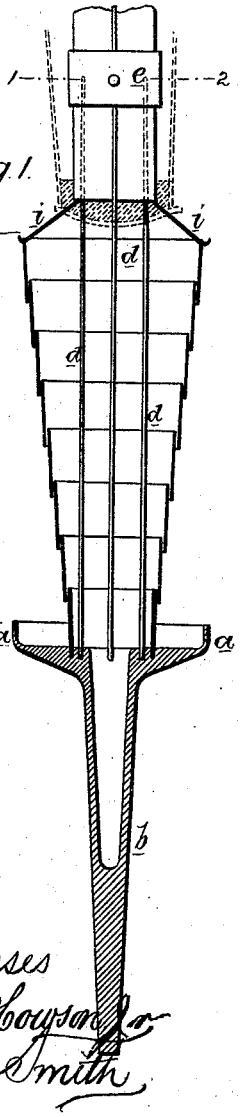
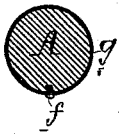


Fig. 1.

Fig. 3

Fig. 4



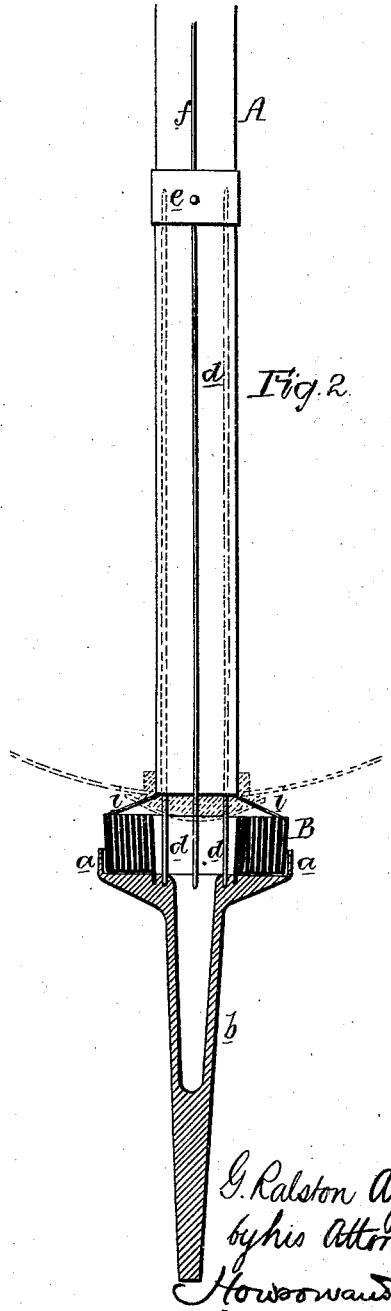


Fig. 2.

Witnesses
Henry Howson Jr.
Harry Smith

G. Ralston Ayres
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UNITED STATES PATENT OFFICE.

G. RALSTON AYRES, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN UMBRELLA DRIP-CUPS.

Specification forming part of Letters Patent No. **184,318**, dated November 14, 1876; application filed October 5, 1876.

To all whom it may concern:

Be it known that I, G. RALSTON AYRES, of Philadelphia, Pennsylvania, have invented an Umbrella Drip-Cup, of which the following is a specification:

The object of my invention is to so construct a drip-cup for umbrellas that while it is of sufficient size to hold all the drippings, it will not present an unsightly appearance when the umbrella is in use. This object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a vertical section of my drip-cup as it appears when in position for receiving the drippings from a closed umbrella; Fig. 2, a sectional view of the drip-cup as it appears when not in use; and Figs. 3 and 4, sectional plan views on the lines 1 2 and 3 4, respectively.

A is the stick of the umbrella, which does not project beyond the cover. The point of the umbrella consists of a separate cap, *a*, provided with a central projecting stem, *b*, this cap and stem being made, preferably, of metal.

In the present instance the cap is supported by three rods, *d*, which extend down along the sides of the stick for some distance, and are secured at their inner ends to a ring, *e*. To this ring is also secured a rod, *f*, which extends to a point at or near the handle of the umbrella, and is there secured to a ring, *g*. To the cap *a* is secured the small end of a telescopic cup, B, composed of a series of small flared cups of different diameters, as usual. The large end or mouth of the cup is connected to the stick or ribs of the umbrella by short cords or wires *i*. These are of such a length that the mouth of the cup may hang clear of the cover of the umbrella, thus allowing a free space between the same for the passage of the drip-water.

When the drip-cup is to be used, it is extended by pushing the ring *g* along the handle, the ring being retained in position by a bent wire spring, *m*, as shown in Fig. 1, or by some other suitable catch.

When the umbrella is in use, or when the use of the drip-cup is no longer necessary, it is collapsed by moving the ring *g* in the opposite direction, the collapsed cup then lying close to, or directly upon, the cover, and forming, with the cap *a* and stem *b*, an ornamental point for the umbrella-stick.

Although I have shown the drip-cup connected at the outer end to a cap separated from the stick of the umbrella, and although I prefer this method on account of its preventing leakage, the stick of the umbrella may extend beyond the cover in some cases, and the smaller ring of the cup may slide along the same, suitable packing in this case being necessary to insure a tight joint.

The operating-rods, instead of working in grooves in the stick, as shown, may be arranged upon the outside of the same, or a band around the head of the stick; or a single rod adapted to a central opening in either a tube or stick may, in some cases, be used.

I am aware that a rod passing some distance along the stick of the umbrella has been combined with an absorbent drip-cup; but this rod was operated by the runner only on the opening and closing of the umbrella.

I claim as my invention—

1. The combination of an umbrella with a telescopic drip-cup.

2. The combination of an umbrella with a drip-cup, operated by a rod independent of the movable parts of an umbrella, and extending to a point at or near the handle, as set forth.

3. The combination of a telescopic cup, B, and its operating rod or rods with the cap *a* and stem *b*, which form a continuation of the stick of the umbrella, and to which the smaller end of the drip-cup is secured.

4. The combination of a movable umbrella-point with an operating rod or rods, by which the said point may be caused to approach or recede from the end of the umbrella-stick, as set forth.

5. The combination of an umbrella with a drip-cup, the mouth of which is connected to the umbrella by cords or wires *i*, so as to leave a space between the said mouth and the cover of the umbrella, as set forth.

6. The combination of a drip-cup, the rods *d*, and the ring *e* with the rod *f* and the ring *g*, as described.

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

G. RALSTON AYRES.

Witnesses:
HENRY HOWSON, Jr.,
HARRY SMITH.