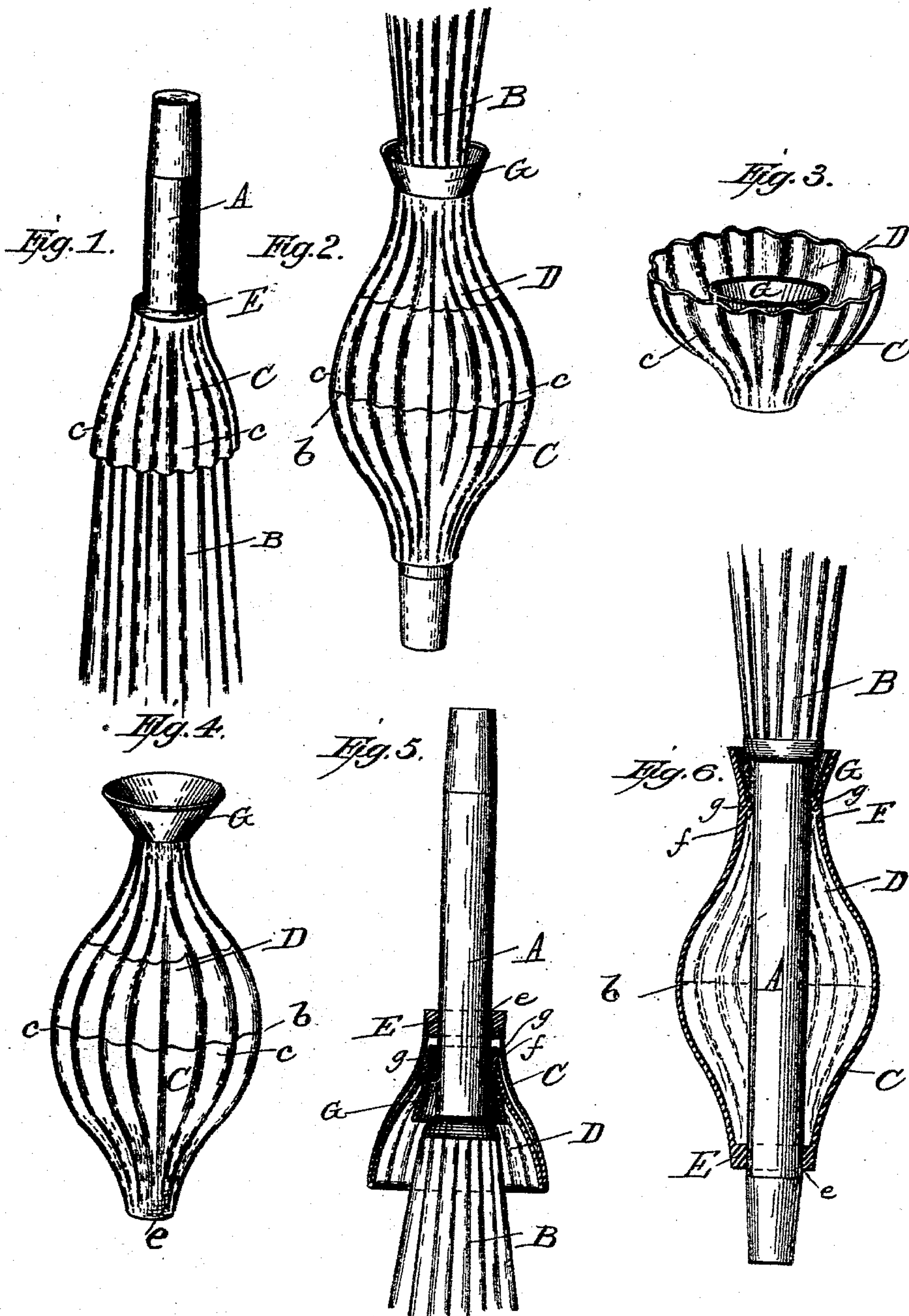


(No Model.)

D. W. WHITAKER.
DRIP ATTACHMENT FOR UMBRELLAS.

No. 515,636.

Patented Feb. 27, 1894.



WITNESSES:
F. L. Ourand.
J. M. H. Jones.

INVENTOR:
David W. Whitaker.
J. Lewis Rogers & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

DAVID W. WHITAKER, OF DURHAM, NORTH CAROLINA, ASSIGNOR OF THREE-FOURTHS TO THOMAS E. WHITAKER, ROBERT RUFUS BRIDGERS, AND NELLIE F. BOONE, OF SAME PLACE.

DRIP ATTACHMENT FOR UMBRELLAS.

SPECIFICATION forming part of Letters Patent No. 515,636, dated February 27, 1894.

Application filed September 25, 1893. Serial No. 486,398. (No model.)

To all whom it may concern:

Be it known that I, DAVID W. WHITAKER, a citizen of the United States, and a resident of Durham, in the county of Durham and State of North Carolina, have invented certain new and useful Improvements in Drip Attachments for Umbrellas; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of an umbrella equipped with my improved drip-attachment, or drip-cup, as the same appears when folded and not in use. Fig. 2 is a perspective view of the umbrella, with the drip-attachment adjusted as when in use. Fig. 3 is a perspective view of the drip-cup removed from the umbrella and collapsed or folded as when not in use. Fig. 4 is a perspective view of the drip-cup removed from the umbrella, but extended or unfolded as when in use. Fig. 5 is a sectional view of the umbrella stick or tip, with the drip-attachment in the form and position in which this is shown in Fig. 1; and Fig. 6 is a sectional view of the umbrella tip with the drip-cup or attachment in its operative position, as illustrated in Fig. 2.

Like letters of reference designate corresponding parts in all the figures.

This invention has relation to drip-attachments for umbrellas; *i. e.*, flexible, water-proof cups or receivers adapted to be fastened, removably and adjustably, upon the tip of an umbrella so as to catch the drip when a water-soaked umbrella is folded and placed upright in a rack or corner; and it consists in the novel and improved construction of an inexpensive but efficient and easily adjustable device of that type, as will be hereinafter more fully described and claimed.

On the accompanying drawings, the letter A denotes the tip or stick and B the cover of an umbrella of any desired size, construction and material.

My improved drip-attachment consists of a peculiarly shaped cup or receptacle of rubber

fabric or other suitable elastic and water-proof material, comprising two funnel-shaped parts or sections, C and D; the top part D being in the form of an inverted funnel connected to the bottom funnel C along the rim *b*. The walls of both the parts C and D are fluted or corrugated, as shown at *c* and *d* respectively; but the upper section D is somewhat smaller than the bottom part C so that it will fit into it when folded or inverted, as shown in Figs. 1, 3 and 5. The fluted bottom part C is open at the contracted end or bottom; said bottom aperture *e* being provided with an elastic reinforcing ring or annulus E, adapted to fit tightly upon the tip A of the umbrella, so as to form a water-proof joint therewith. The aperture or opening *a* at the contracted or smaller upper end of the reduced top section D is provided with a similar reinforcing ring or annulus F, which is, however, of such dimensions that it will not fit tightly around or upon the stick, but leave a narrow annular space or opening *f* all around the stick, through which the drip, as it collects in the top funnel G, will find its way down into the receptacle C D. In order, however, to provide means for holding the upper section or inverted funnel D in its extended or operative position, shown in Figs. 2, 4 and 6, the annulus F is provided on its inside, facing the stick, with a series of studs or projections *g g*, which bear against that part of the stick or tip which projects through the annulus with sufficient friction to maintain the parts in their extended or inflated position to form a receptacle for the drip water. The top funnel G is also made of rubber, and integral with the parts D and C; the whole device being shaped, by means of suitably constructed molds or formers, in one piece. The object of this funnel is to collect the drip as it flows down the folded cover B of the umbrella and convey it through the interstices or annular space *f* formed by the friction-studs or projections *g g* down into the reservoir formed by the parts D and C.

From the foregoing description, taken in connection with the drawings, the operation and manner of using this device will be read-

ily understood. When not in use, the attachment is folded or collapsed by pushing the smaller upper section D down into the larger bottom funnel C, as clearly illustrated in three views on the sheet of drawings, in which form and position the device is entirely out of the way, and, if made of a color to correspond to that of the umbrella cover, hardly discernible except on close inspection. When it is desired to use it, the inverted part D is simply pulled out and the device adjusted in the operative position illustrated in Figs. 2, 4 and 6, where it will collect all the drip and thus avoid soiling or wetting of the floor where the wet umbrella is placed. By again squeezing and folding up the cup, the water is squeezed out through the narrow top orifices *ff*, in the act of folding up the cup, which will then resume the form and position illustrated in Figs. 1, 3 and 5 on the drawings. In folding up the attachment when not in use, the part D is squeezed between the fingers and thumb of one hand, compressing the same. The ring E is then pushed inwardly toward

the handle by the other hand, causing part C by reason of its elasticity to fold over the part D. As the ring continues its movement the part D will fold over funnel G, as seen in Fig. 5.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The described drip-attachment for umbrellas, comprising the fluted or corrugated funnel-shaped parts C and D connected at their large ends and having top and bottom apertures *a* and *e*, the elastic bottom annulus E, reinforcing ring F having inwardly projecting friction-studs *g g*, and top funnel G; substantially as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

DAVID W. WHITAKER.

Witnesses:

BENNETT S. JONES,
M. S. DUCKETT.