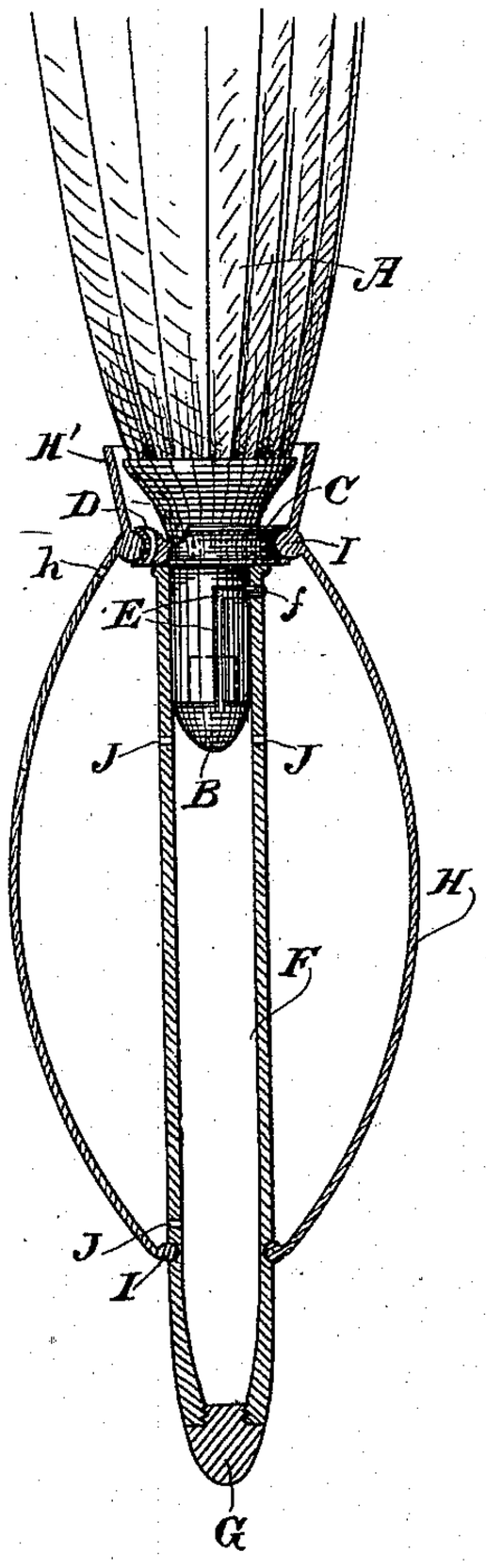
(No Model.)

F. HINDES.

DRIP ATTACHMENT FOR UMBRELLAS.

No. 559,101. Patented Apr. 28, 1896.



Witnesses;
L. A. Morse
J. F. Ascheck

Inventor
Frank Hindes
By Dewey & Co.
Attys

UNITED STATES PATENT OFFICE.

FRANK HINDES, OF SAN FRANCISCO, CALIFORNIA.

DRIP ATTACHMENT FOR UMBRELLAS.

SPECIFICATION forming part of Letters Patent No. 559,101, dated April 28, 1896.

Application filed December 30, 1895. Serial No. 573,690. (No model.)

To all whom it may concern:

Be it known that I, FRANK HINDES, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Drip Attachments for Umbrellas; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an attachment to receive the drip of umbrellas when closed and prevent its falling upon the floor.

It consists of the constructions and combinations of parts hereinafter described and claimed.

The figure is a view of my device as attached to the umbrella.

A represents the lower end of an umbrella, having a tip or point B. In the present case I have shown this made much shorter than in the usual construction of umbrellas, and around the inner end of this tip is a disk C, having a groove or channel made around its periphery, as shown. Through this disk are made holes D, extending from one side to the other, as shown. Upon one side of the tip B is made a longitudinal channel E, which extends from near the point to just below the disk C, and it then turns at right angles, so as to form a bayonet-lock to receive a pin *f*, which projects from the tube F. This tube is made of sufficient diameter to fit over and inclose the tip B. The pin, which projects from the upper end and interior of the tube, enters the slot or channel E, which it follows to the upper end, and then by turning the tube F the pin follows the horizontal portion of the channel, and thus locks the tube in place. The upper portion of the tube is made cylindrical and fits a corresponding portion of the upper part of the tip B, so as to make a snug joint at this point. The lower end of the tube F is closed and has a tip G projecting from it. Around this tip, near the junction with the bottom of the tube F, is made a groove or channel similar to the groove or channel made around the disk C previously described.

H is an oval or slightly-egg-shaped casing made of rubber or other flexible material, having the upper and lower ends fitted with elastic contractile springs I, which are adapted to fit, respectively, into the grooves or channels in the disk C and upon the tube F with sufficient force to hold the receptacle closely in place and make it practically tight enough to hold water. From the upper end of this receptacle H is a diverging or funnel-shaped portion H′, which surrounds the lower part of the umbrella A when in position and directs any water which drips from it in upon the top of the disk C, from which the water will flow through the holes D into the interior of the receptacle H. A small opening or vent *h* is preferably made near the upper part of this receptacle, just beneath the disk C, to allow air to escape as the water enters. This receptacle may be of any suitable size. I have found a convenient size to be such that it will contain about as much as a hollow ball two and one-fourth inches in diameter; but the size may be varied to suit the size of the umbrella or other conditions. The tubular portion F may also be made with holes or openings, as shown at J, so that the interior of this tube can also be utilized, if desired, to receive the drip of the umbrella.

With this attachment the umbrella may be taken into the house, set upon the carpet or in other convenient place, and all drip from it will flow down and be collected in the funnel H′, being thence carried through the openings D in the disk C, and will collect finally in the reservoir H. When the umbrella is taken out, by simply holding it with the point a little elevated the water thus collected will flow out through the opening near the top of the reservoir, or it may be discharged by removing the reservoir altogether.

The reservoir can be left in place upon the umbrella, or it may be removed by disengaging it from the grooves or channels, leaving the tubular extension F, and this extension may also be removed by disengaging it from the bayonet-joint previously described, thus leaving the short tip B extending beyond the end of the umbrella. When these parts have been thus removed, the umbrella is more compact and may be packed in a smaller space than if the tip was extended in the usual manner.

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

1. An umbrella having a tip, a disk sur-

rounding the base of the tip having perforations made through it and a circumferential groove or channel, a second groove or channel formed around the tip near the point, and a flexible reservoir having openings with elastic constricting edges, one of which fits the groove around the disk, and the other the groove near the tip, whereby the reservoir is attached and rendered water-tight, and a funnel-shaped extension from the upper end surrounding the lower portion of the umbrella so as to direct the drip therefrom through the openings in the disk to the interior of the reservoir.

2. An umbrella having a short tip, a disk surrounding the inner end having perforations made through it, and a circumferential groove or channel, a hollow tube adapted to detachably fit the tip, a tip at the outer end of the tube, a groove or channel surrounding this tip, a flexible receiver, the upper and lower ends of which have elastic openings adapted to fit the grooves of the disk and at the lower end of the tube respectively, a diverging funnel at the upper end of the reservoir surrounding the base of the umbrella to collect and direct the drip through the holes in the disk, and an opening in the upper part of the reservoir for the escape of air while the water is entering and through which the water may be discharged when the reservoir is to be emptied.

In witness whereof I have hereunto set my hand.

FRANK HINDES.

Witnesses:
S. H. NOURSE,
GEO. H. STRONG.