

No. 675,597.

Patented June 4, 1901.

E. W. GROESCHEL.  
UMBRELLA TIP RETAINER.

(Application filed Aug. 29, 1900.)

(No Model.)

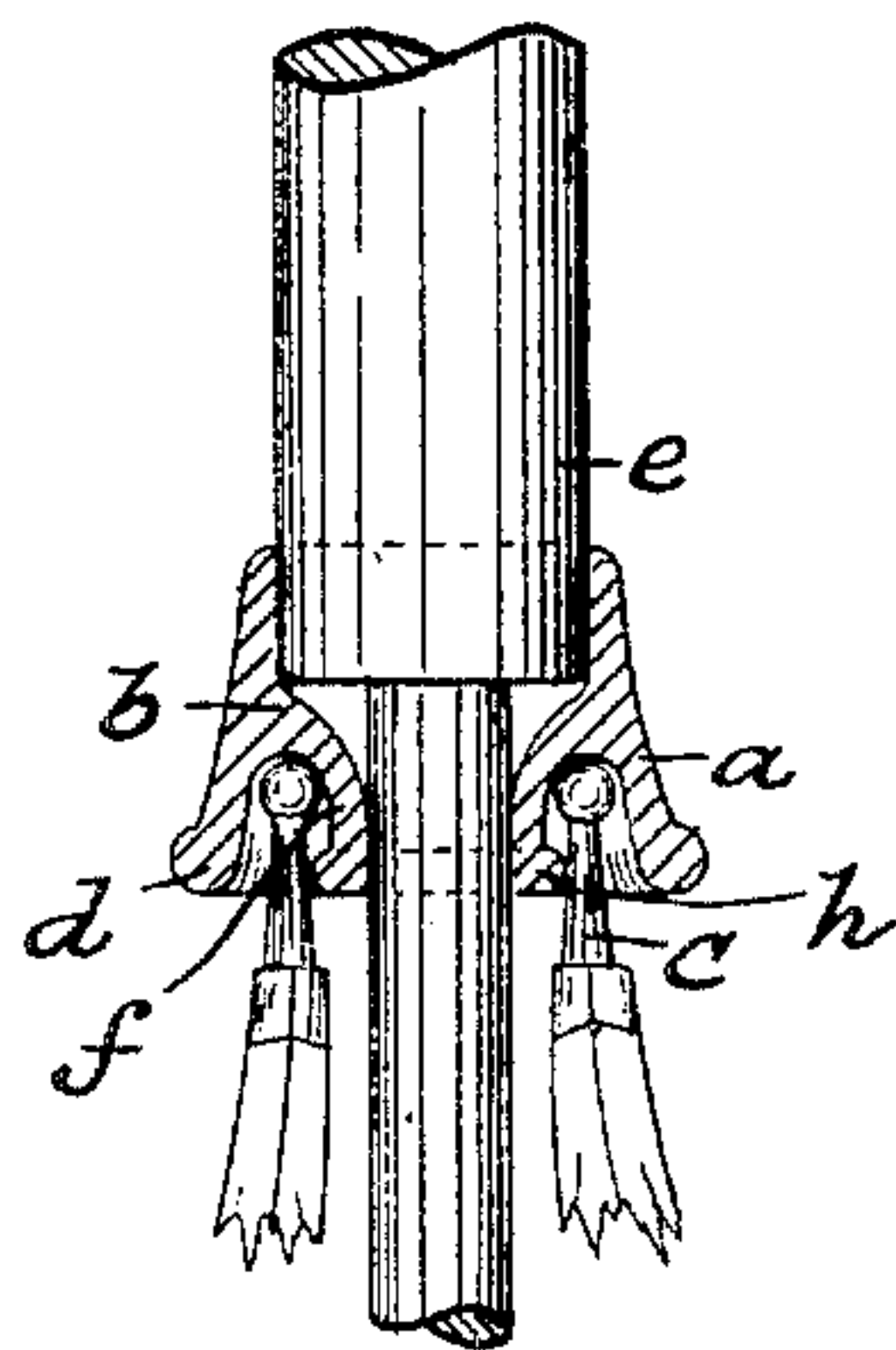


Fig. 1.

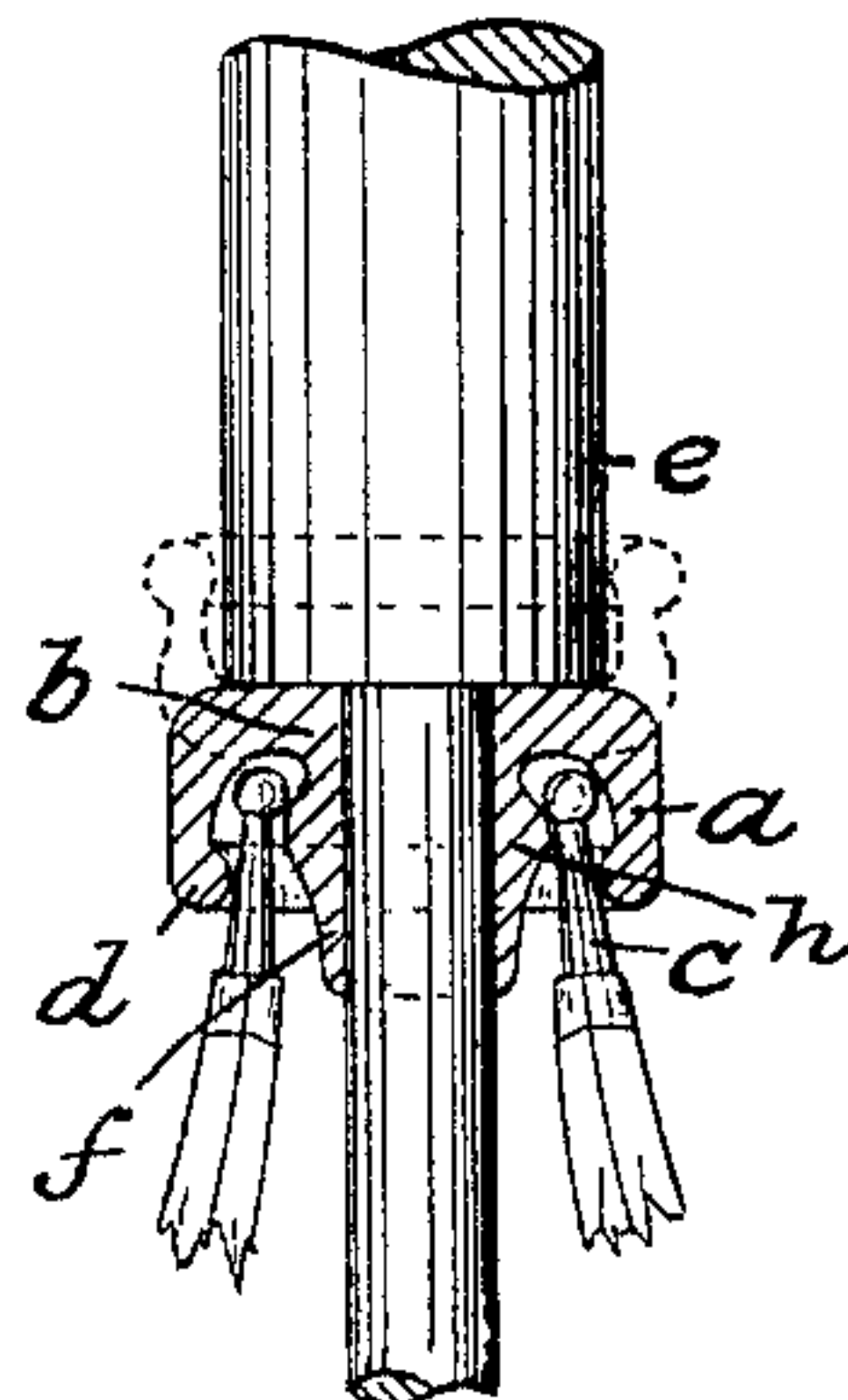


Fig. 2.

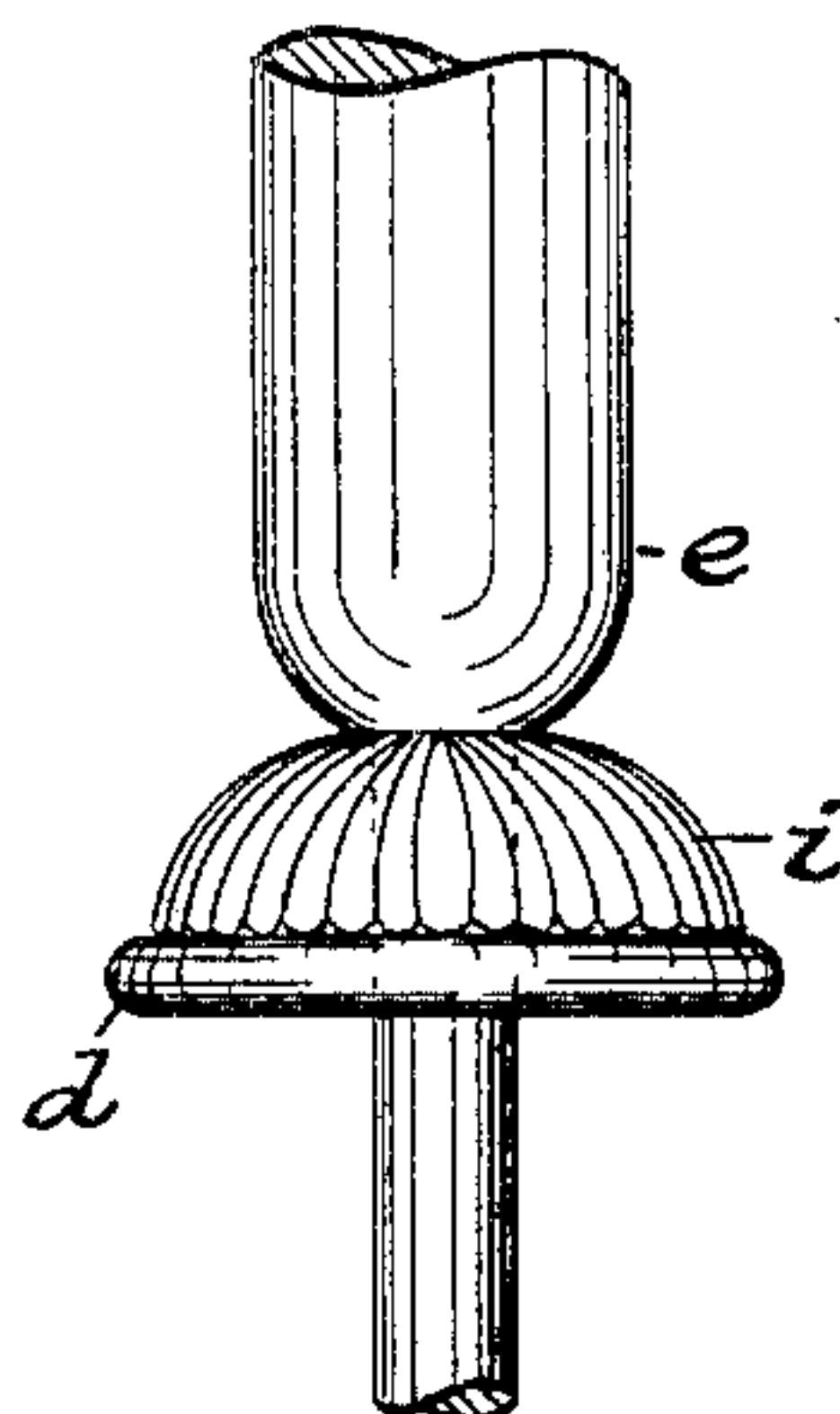


Fig. 3.

WITNESSES:

Wm. D. Bell.  
Robert J. Pollitt

INVENTOR,

Eduwin H. Groeschel,

BY

Gastner & Steward,  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

EDWIN W. GROESCHEL, OF JERSEY CITY, NEW JERSEY.

## UMBRELLA TIP-RETAINER.

SPECIFICATION forming part of Letters Patent No. 675,597, dated June 4, 1901.

Application filed August 29, 1900. Serial No. 28,388. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN W. GROESCHEL, a citizen of the United States, residing at 102 Cambridge avenue, Jersey City, in the county  
5 of Hudson and State of New Jersey, have invented certain new and useful Improvements in Umbrella Tip-Cups; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will  
10 enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

15 My invention relates to elastic tip-cups for umbrellas; and it consists in a device of this nature so formed that it may not only be readily manipulated, at the same time being adapted to properly secure the ribs in place  
20 when the umbrella is folded, but may also be applied to various sizes of umbrella-sticks and act to protect the stick against abrasion from the ribs and the cover-securing threads on the ribs from being worn by contact with  
25 the stick.

Referring to the accompanying drawings, Figure 1 shows the preferred form of my improved tip-cup in operative position on an umbrella, said tip-cup being shown in section.  
30 Fig. 2 is a view somewhat like Fig. 1, but illustrating a slightly-modified form of my invention; and Fig. 3 illustrates a still further modification of my invention.

Tip-cups at present in use usually consist  
35 of metallic cups arranged to slide on the umbrella-stick. Such form of tip-cup is undesirable, because it acts to mar the stick and cannot be applied to various sizes and shapes of sticks.

40 I prefer to form the tip-cup of elastic rubber.

As shown in the drawings, my improved form of tip-cup comprises the cup proper, *a*, and an integral sleeve *b*, the former being adapted  
45 to receive the tips *c* of the ribs of the umbrella and the latter being adapted to encompass the umbrella-stick, fitting the same closely enough so as to securely hold the tip-cup in proper position upon said stick. The mate-

rial of which the device is composed should 50 be of such elasticity that the cup portion proper may be readily rolled or turned back into the position shown, for instance, in the dotted lines in Fig. 2. It is preferable, also, that the elasticity be such that the sleeve 55 may be slipped into place from either end of the complete umbrella, if necessary.

In order that the cup proper may duly maintain its shape, I provide an annular enlargement *d* at its lower edge, as shown in the 60 drawings. Moreover, this annular enlargement may be made to act to secure the cup in either of the two positions illustrated in Fig. 2. As seen in Fig. 1, said sleeve extends considerably above the cup, it being the ob- 65 ject that this portion of said sleeve may embrace the handle *e*. This form of the tip-cup, as will be seen, may be applied either to umbrellas having wood sticks or metal rod sticks. 70

In order to obviate the tips of the ribs wearing against the stick of the umbrella, the sleeve may be extended downwardly, as at *f* in Figs. 1 and 2 of the drawings, thus spacing said rib from the stick. Also to prevent 75 the threads which secure the cover to each rib from becoming worn by wearing against the stick, the part *f* is formed with an annular flange *h*, against which the tips of the ribs may impinge, as seen in Figs. 1 and 2. 80

I may provide the cup proper of the device with external corrugations *i*, radially disposed, such corrugations serving either to secure the cup in either of the two limits of its 85 movement (alone or in coaction with the annular flange *d*, if this is also provided) or to maintain the cup in its normal position, so tending to preserve its shape. They may also serve to impart an ornamental appearance to the device. 90

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

As an improved article of manufacture, an umbrella tip-cup composed of soft elastic rubber and comprising, integrally formed, a cup 95 portion and a sleeve portion, the former being adapted to receive the tips of the um-

rella-ribs and the latter projecting down-  
wardly from the inside top portion of the cup,  
being adapted to snugly encompass the um-  
brella stick or staff, and having an outwardly-  
5 projecting annular flange adapted to space  
the umbrella-ribs from said stick or staff, sub-  
stantially as described.

In testimony that I claim the foregoing I  
have hereunto set my hand this 23d day of  
May, 1900.

EDWIN W. GROESCHEL.

Witnesses:

MARGARET BRITTON,  
ROBERT J. POLLETT.