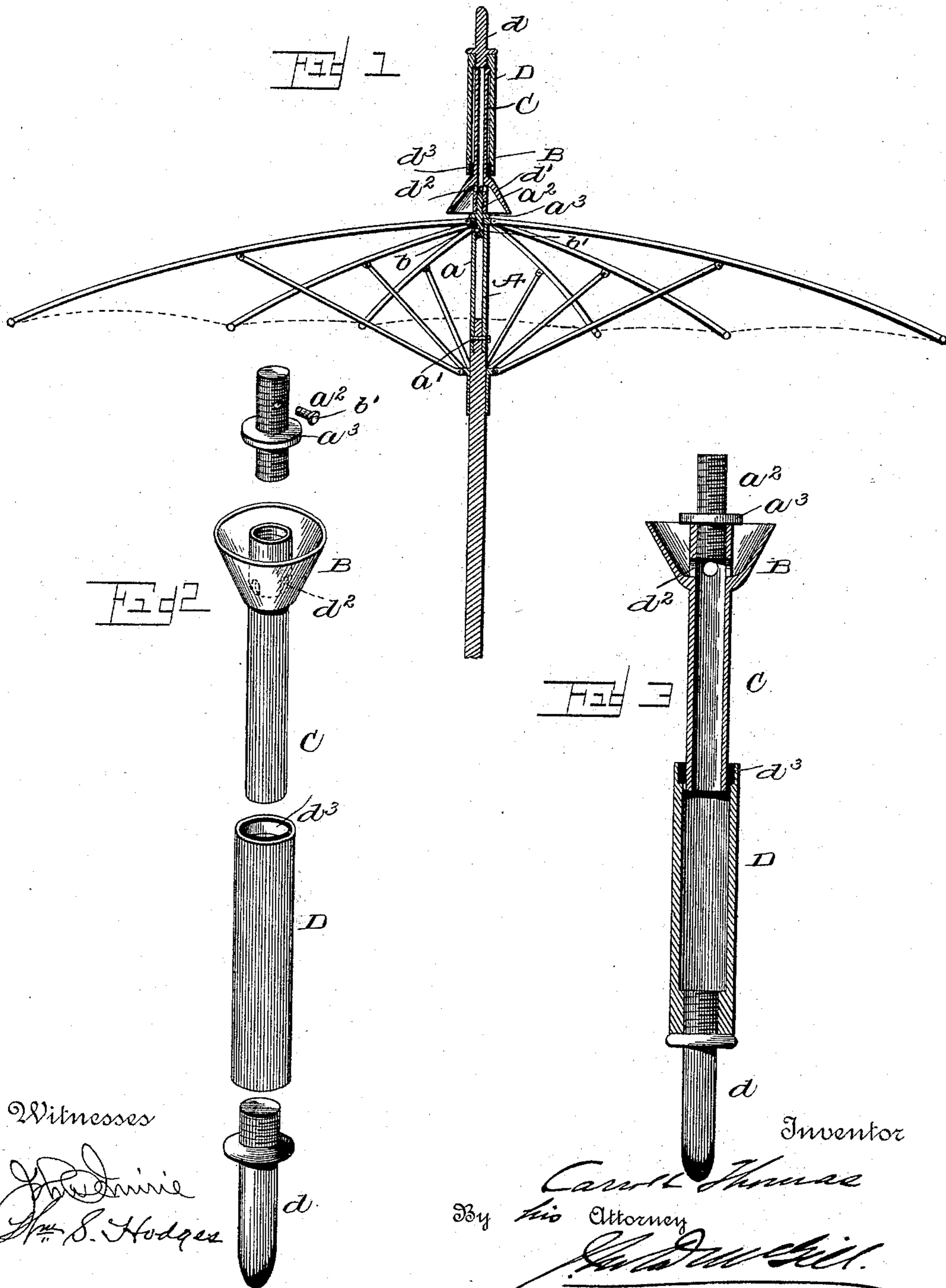


(No Model.)

C. THOMAS.  
UMBRELLA.

No. 488,407.

Patented Dec. 20, 1892.



Witnesses

*Johnnie*  
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Inventor

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# UNITED STATES PATENT OFFICE.

CARROLL THOMAS, OF OMAHA, NEBRASKA.

## UMBRELLA.

SPECIFICATION forming part of Letters Patent No. 488,407, dated December 20, 1892.

Application filed April 27, 1892. Serial No. 430,838. (No model.)

*To all whom it may concern:*

Be it known that I, CARROLL THOMAS, of Omaha, in the county of Douglas and State of Nebraska, have invented certain new and useful Improvements in Umbrellas; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention contemplates certain new and highly useful improvements in umbrellas, and has reference more especially to that class of umbrellas provided with drip cups.

The object of the invention is to provide an umbrella with a new and improved drip-cup having a maximum capacity for receiving the dripping water from the umbrella cover when closed, and which will also serve as a guard or protector for the contracted end of said cover and protect the same from damage.

A further object is to provide an umbrella having a drip cup in which the notch holding the ends of the ribs can be easily removed for repairing the umbrella or replacing a broken rib, or the wire holding the series thereof.

The invention consists of an umbrella having its tip made hollow and provided with a surrounding catch basin, the ferrule of said tip being removable.

The invention further consists of an umbrella stick provided with a hollow tube or cylinder the upper end of which forms a support for the notch, and a removable drip cup held in the outer end of said tube or cylinder so as to bind said notch on or against said end.

The invention also comprises the detail construction, combination and arrangement of parts, substantially as hereinafter fully set forth and particularly pointed out in the claims.

In the accompanying drawings:—Figure 1 is a vertical sectional view of an umbrella provided with my improvements, parts being broken away. Fig. 2 is a view of the drip-cup and its attachment removed and the different parts separated. Fig. 3 is a vertical sectional view of the drip-cup with its parts extended and showing the double threaded coupling.

Referring to the drawings, A designates an umbrella stick, and *a* a tube or cylinder secured on the upper end thereof by a set screw *a'*, or other suitable means. In the upper end of this tube or cylinder is a female screw-thread, with which is designed to engage the lower portion of a threaded rod or plug *a<sup>2</sup>*, which at its center has a circular flange or collar *a<sup>3</sup>*. The notch *b* to which the contracted end of the umbrella frame is secured rests upon the upper end of tube or cylinder *a* and is firmly or rigidly held thereon by the flange or collar *a<sup>3</sup>* of rod or plug *a<sup>2</sup>*, which latter is firmly retained in place by a set-screw *b'* working in coincident holes in tube or cylinder *a* and inner portion of rod or plug *a<sup>2</sup>*. Hence by removing this rod or plug the notch can be removed for facilitating the replacing of a broken rib, or rewiring the ends of said ribs.

B is the drip cup removably secured to and forming an extension or continuation of the umbrella stick. It comprises two telescoping, inner and outer tubes C, D, the latter having a removable end-plug or ferrule *d*, and the former a bell or flared end or mouth *d'* which is preferably formed integral with tube C and incloses the inner end thereof. Communication is established between the mouth and tube C through holes or ports *d<sup>2</sup>* formed in said tube at the inner end of said mouth. The outer tube D is movable on the inner tube C and is provided at its inner end with a rubber or other yielding ring or washer *d<sup>3</sup>* which fits snug on tube C. The normal position of tube D is shown in Fig. 1, and it is shown extended in Fig. 3. The tube C is internally screw-threaded for engagement with the outer threaded portion of screw-rod *a<sup>2</sup>*. Water collected in the drip-cup can be removed by removing the end-plug or ferrule of tube D.

In practice, the outer tube is forced upon the outer end of the inner tube, the ring or washer yielding sufficient to permit thereof and at the same time serves to hold the parts sufficiently firm to prevent the outer tube from being disconnected unless it be drawn beyond the end of said inner tube. The latter is screwed directly to the threaded extension.

From what has been said it will be seen that an umbrella constructed in accordance with my

improvements possesses advantages in point of simplicity and durability; that the end extensions of the umbrella stick can be readily removed when repair of the umbrella is necessary; that the drip cup will collect all water dripping from the umbrella when closed; that it not only does not disfigure the appearance of the umbrella, but also serves as a guard or protector for the contracted end of the umbrella cover; and a maximum amount of water can be collected by making the drip-cup in two parts or of telescoping sections. When the drip cup is not in use the extensible part thereof can be moved inward and incloses the stationary tube C.

I claim as my invention:

1. The herein-described improved umbrella having its stick provided with a cylindrical end for supporting the notch of the umbrella frame, the removable drip cup, and the connection between said drip cup and cylindrical end for binding said notch, substantially as set forth.

2. An umbrella having its tip made hollow and provided with a catch basin and a removable ferrule, substantially as set forth.

3. An umbrella having its tip made hollow and composed of an inner cylindrical section having a mouth at one end, and an outer cylindrical section inclosing said former section, and having a removable ferrule, substantially as set forth.

4. The herein-described improved umbrella having its tip made hollow and composed of two telescoping sections, and a catch-basin attached to one of said sections, as set forth.

5. The herein-described improved umbrella, having its stick provided with a threaded extension, the drip-cup comprising a tube having a threaded end engaging said extension and also having holes or ports, the bell or flared mouth inclosing said holes or ports, and the removable end-plug or ferrule, substantially as set forth.

6. The herein-described improved umbrella having its stick provided with a threaded extension, the drip-cup comprising an inner tube having a threaded end engaging said extension and also having holes or ports, the bell or flared mouth inclosing said holes or ports, the outer tube movable on said inner tube and having an elastic ring or washer, and the removable end-plug or ferrule in the outer end of said outer tube, substantially as set forth.

7. In an umbrella, the combination with the stick having a tube or cylinder secured thereto and internally screw threaded at its outer end, of the double threaded rod screwed in said end of said tube or cylinder and having a flange or collar, the set screw for holding said rod, the notch held by said flange or collar, and the drip cup removably secured to the outer portion of said double threaded rod, substantially as set forth.

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

CARROLL THOMAS.

Witnesses:

OLIVER DAVIS,  
S. FAWCETT.