

C. H. REED.
SUSPENDING DEVICE FOR UMBRELLAS.
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1,068,273.

Patented July 22, 1913.

Fig. 1.

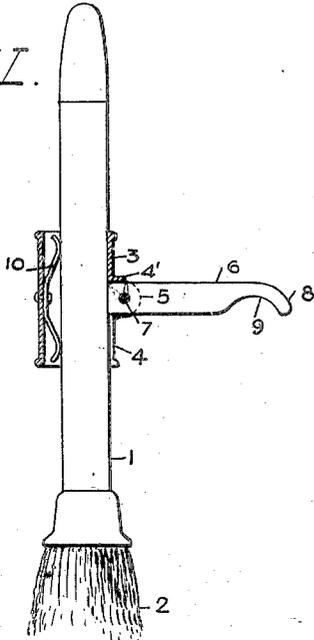
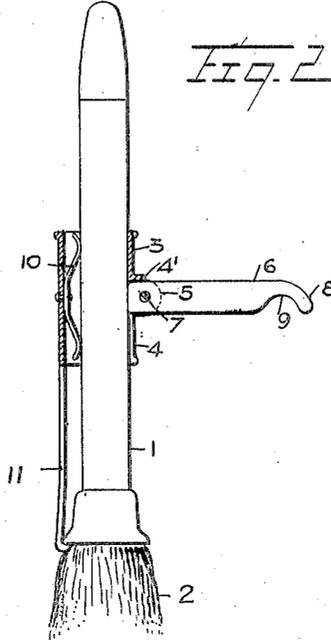


Fig. 2.



WITNESSES

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SUSPENDING DEVICE FOR UMBRELLAS.

1,068,273.

Specification of Letters Patent.

Patented July 22, 1913.

Application filed December 8, 1911. Serial No. 664,618.

To all whom it may concern:

Be it known that I, CARROLL H. REED, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Suspending Device for Umbrellas, of which the following is a full, clear, and exact description.

My invention relates to a device for suspending umbrellas in inverted position, and it comprises means which can be secured to the tip or extremity of the shank of the umbrella to engage any convenient support. For this purpose the said means comprises a pivoted member which is swung outward to make an angle with the tip when the same is needed for use, and which can be folded back along the tip at all other times. The object in suspending the umbrella is to permit the same to be dried.

Reference is to be had to the accompanying drawings forming a part of this specification, in which the same characters of reference indicate the same parts in all the views.

Figure 1 is a view of the outer end of an umbrella, showing one of my suspending devices detachably secured thereto; and Fig. 2 is a similar view, showing a modified form of my improved detachable suspending device.

On the drawings, the numeral 1 represents the shank of an umbrella, which projects the usual distance beyond the collar or ferrule, to which is centrally secured the umbrella cover 2. On the outer extremity or tip of this shank I secure my suspending device, which, in the form shown in Fig. 1, comprises a hollow casing, preferably cylindrical in form, indicated by the numeral 3, and having a slot 4 in one side thereof. Mounted between a pair of lugs or ears 5 at the inner end of this slot is an arm 6, secured to the ears or lugs 5 by means of a pivot-pin 7, and having its outer end rounded off, as at 8, and its lower end recessed, as shown at 9, to form a finger to engage the support upon which the umbrella is hung. The end of the arm 6 adjacent the pivot-pin 7 is squared, so as to abut against the side of the tip of the shank 1; and, if desired, a shoulder indicated by the numeral 4' may be formed at the inner end of the slot 4, to engage the upper edge of the arm 6, to assist in preventing this arm from ro-

tating beyond normal position with respect to the tip of the shank 1. The casing 3 also carries on its interior a leaf spring 10, centrally secured to the casing and extending toward both the open ends thereof. The effect of this spring is to secure the casing 3 upon the tip of the shank 1 when the umbrella is to be hung up; and the spring acts to draw the inner surface of the casing adjacent the longitudinal slot 4, tightly against the side of the tip, so as to cause the squared inner end of the arm 6 to abut against the side of the tip of the shank 1, and remain in extended position when it is desired to suspend the umbrella.

The utility of the suspending device will now be apparent. The casing 3 can be applied to the extremity of the shank 1, simply by slipping it upon the shank. At this time the arm 6 will be in such position as to be parallel with the longitudinal axis of the cylindrical casing 3, and its lower edge will rest against the side of the shank 1. The leaf spring 10 will hold the casing 3 upon the shank with the arm 6 in folded position; and when it is desired to hang up the umbrella, the arm 6 is rotated through an angle of ninety degrees by hand, its lower inner corner bearing upon the side of the shank 1. During this operation, the spring 10 will give to a certain extent to permit the rotation of the arm, the casing 3 moving laterally of the shank 1, as will be understood; and when the arm is in extended position the tension of the spring 10 will be exerted to draw the interior surface of the casing 3 adjacent the pivoted end of the arm 6 tightly against the lateral surface of the shank, so as to cause the inner squared end of the arm 6 to abut against the side of the shank 1, and be held in the position shown on the drawings. The umbrella can then be hung up by causing the notch 9 in the lower edge of the arm 6, to engage a bar, a rail, or any other convenient support, to permit the cloth cover thereof to dry out. The casing 3 is preferably cylindrical, but it may be elliptical in cross-section if desired.

The modification shown in Fig. 2 is the same as that shown in Fig. 1, but has in addition an extension 11, which projects from one end of the casing 3. This projection has its lower end bent over to engage the inner end of the collar or ferrule mounted upon the shank 1, adjacent the cloth cover 2. This ex-

tension 11 will prevent the casing 3 from slipping off the tip of the shank 1, even should the spring 10 be too weak to hold the same thereon. I have provided this hook extension 11 to guard against the extension 3 being jarred or jolted toward the end of the shank 1 and slipping off the same when the umbrella is used as a cane or a walking stick. When so used, the hook extension 11 will prevent the casing 3 from slipping off the umbrella shank and getting lost.

I wish to have it understood that I may make certain changes in the shape, size and arrangement of the parts, such as fairly fall within the scope and spirit of my invention.

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

1. In a suspending device for umbrellas and the like, the combination of a hollow casing having a lateral opening, an arm pivotally mounted on said casing and having its inner end projecting into said lateral opening, and a spring mounted inside said casing and opposite said opening, the inner end of said arm being squared, whereby, when the casing is slipped upon the outer end of the shank of an umbrella, the said spring will hold said arm either parallel to the shank of said umbrella or at right-angles thereto, to suspend the said umbrella in inverted position.

2. In a suspending device for umbrellas and the like, the combination of a hollow open-ended casing having a slot or opening in its side, an arm pivotally mounted on said casing and having its inner end projecting into the slotted opening, and a leaf

spring mounted inside of said casing and opposite said opening, said casing being adapted to be slipped over the outer end of the shank of an umbrella to cause said shank to pass between said spring and said arm, whereby the spring will hold the casing and the arm carried thereby firmly against the side of the shank so as to retain the said arm either parallel to the shank or at right-angles thereto, to suspend said umbrella in inverted position.

3. In a suspending device for umbrellas and the like, the combination of a hollow open-ended casing to be slipped upon the end of an umbrella shank, a movable hanger arm carried by said casing, the inner end of said arm projecting through said casing, and means carried by the casing to engage the shank and draw the said casing and the inner end of the arm against the shank to hold the casing in place and the arm in position.

4. In a suspending device for umbrellas and the like, the combination of a hollow open-ended casing to be slipped upon the end of an umbrella shank, means carried by said casing to engage the shank and hold the casing in place, an arm carried by the casing to enable the umbrella to be hung up, and a hook connected to said casing to engage a collar on the shank and prevent the casing from slipping off the shank.

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

CARROLL HERBERT REED.

Witnesses:

ALFRED H. DAVIS,
PHILIP D. ROLLHAUS.