

No. 695,733.

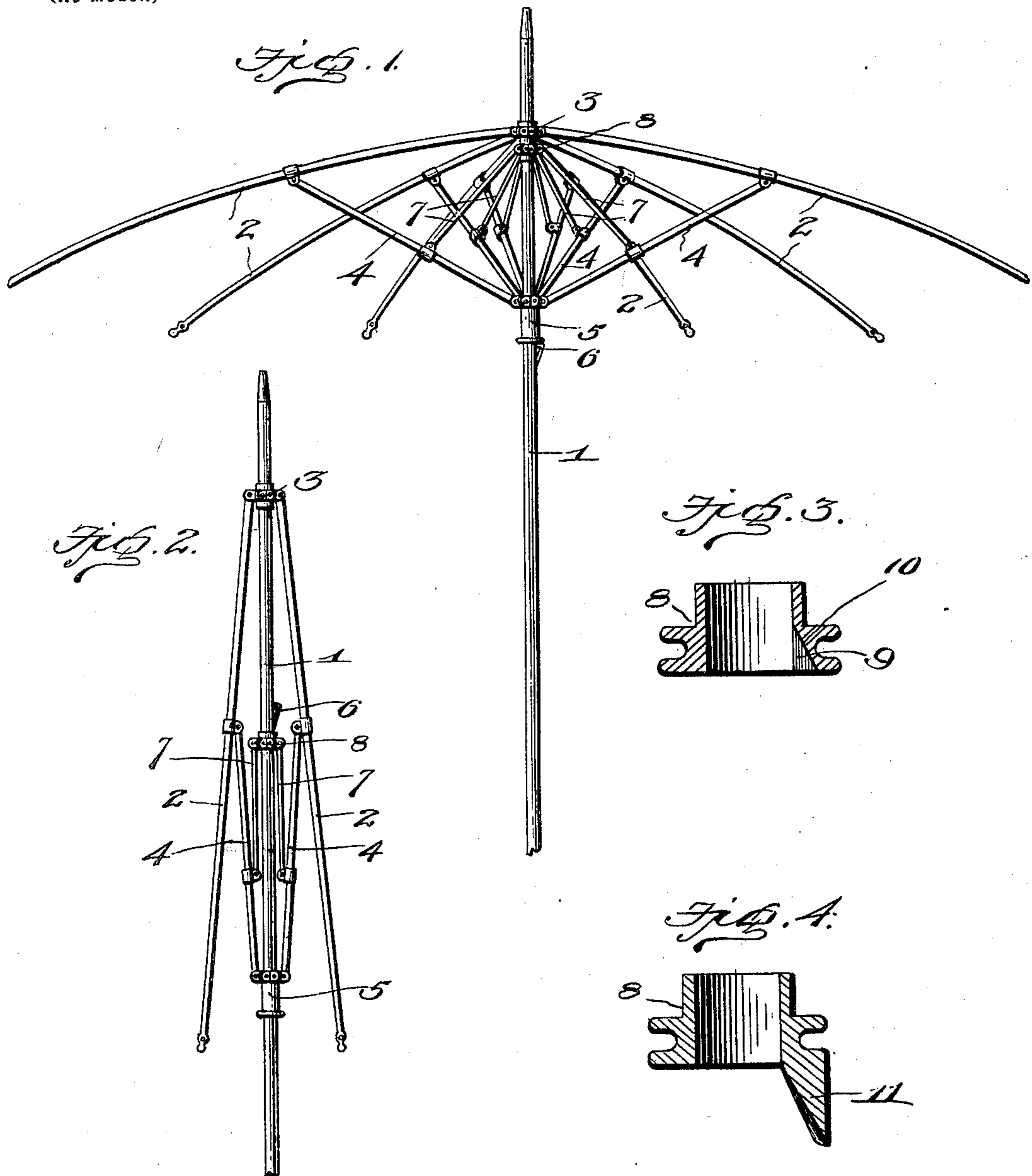
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H. KELLER & F. J. GALLAGHER.

UMBRELLA.

(Application filed July 2, 1901.)

(No Model.)



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UNITED STATES PATENT OFFICE.

HUGO KELLER AND FRANK J. GALLAGHER, OF FRANKFORD, PENNSYLVANIA.

UMBRELLA.

SPECIFICATION forming part of Letters Patent No. 695,733, dated March 18, 1902.

Application filed July 2, 1901. Serial No. 66,844. (No model.)

To all whom it may concern:

Be it known that we, HUGO KELLER and FRANK J. GALLAGHER, citizens of the United States, residing at Frankford, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Umbrellas or Parasols; and we do 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.

The invention relates to umbrellas or parasols.

The object of the invention is to provide an umbrella or parasol with a brace so arranged as to prevent the umbrella from turning inside out when used in gales.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a view of an umbrella or parasol frame, showing it in open position. Fig. 2 is a similar view showing it in closed position. Fig. 3 is a vertical sectional view of one form of sliding collar, and Fig. 4 is a similar view of another form of sliding collar.

In the drawings, 1 denotes the stick of the umbrella or parasol, 2 the ribs hinged to the top notch 3 in the usual manner, and 4 the spreaders pivoted to the ribs and to the runner 5 in the usual manner and adapted when the umbrella is in open position to be retained in that position by the usual spring-stop 6.

7 denotes braces, the upper ends of which are pivotally connected to a sliding collar 8, mounted upon the stick above the runner 5, and the lower ends of which are pivotally connected to the spreaders 4 intermediate their ends. It will be observed by referring to Fig. 1 that these braces 7 diverge from their collar in one direction, while the spreaders 4 diverge from their runner in an opposite direction, and when the umbrella or parasol is hoisted the collar is in engagement with the top notch, so that should the wind get under the umbrella or parasol and tend to turn it inside out the spreaders will be firmly supported by the braces 7, and thereby prevent the dismantling of the umbrella or parasol.

The collar 8 is constructed in any suitable manner so as to permit it to slide freely over the spring-stop 6. As shown in Fig. 3, the collar is illustrated as being provided with a flaring opening 9, which, broadly speaking, produces an inclined surface 10, which is free to ride up or down, and either movement will depress the stop 6. In Fig. 4 the collar is shown provided with a lip 11, having an inclined surface which acts in substantially the same manner as the inclined surface 10. Therefore wherever an "inclined surface" is mentioned in the claim it will be understood that I consider the term broad enough to cover either form shown and described, as well as other forms which may be read into the claim.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and advantages of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

In an umbrella or parasol, the combination with the stick, the top notch, the ribs pivoted thereto, the runner, spreaders pivoted thereto and to the ribs, and a spring-stop mounted in said stick, of a sliding collar mounted above the runner and provided with a fixed inclined surface to depress said stop in the vertical movement of the collar and allow the collar to pass above and below the same in the sliding movement on said stick, and braces pivoted at their upper ends to said collar and at their lower ends to said spreaders intermediate their ends, substantially as set forth.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

HUGO KELLER.
FRANK J. GALLAGHER.

Witnesses:

FRED. W. CASSIDY,
HENRY K. HERBERT.