

J. H. DALLY.

Improvement in Umbrellas.

No. 132,810.

Patented Nov. 5, 1872.

Fig. 1.

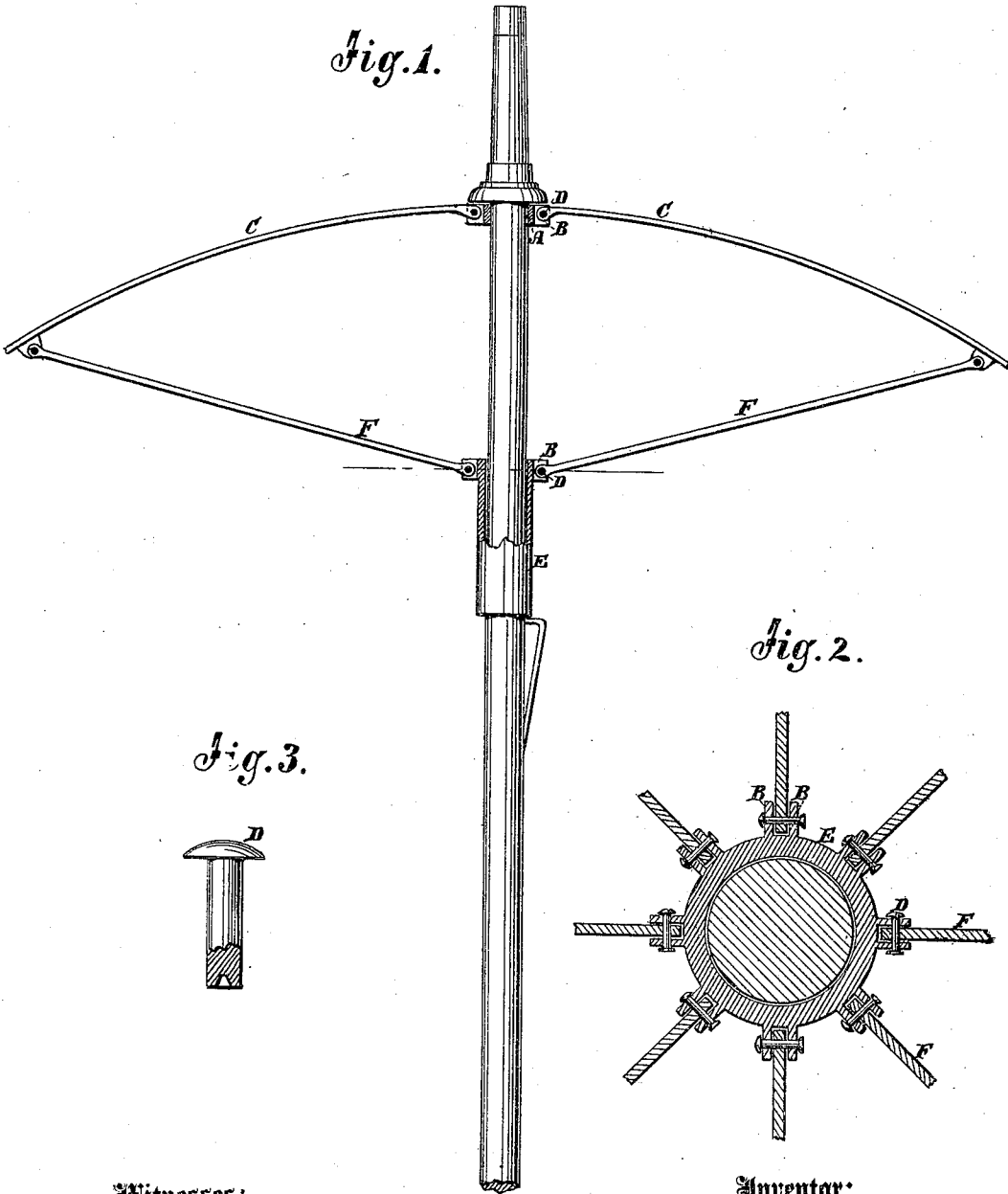


Fig. 3.

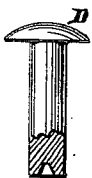
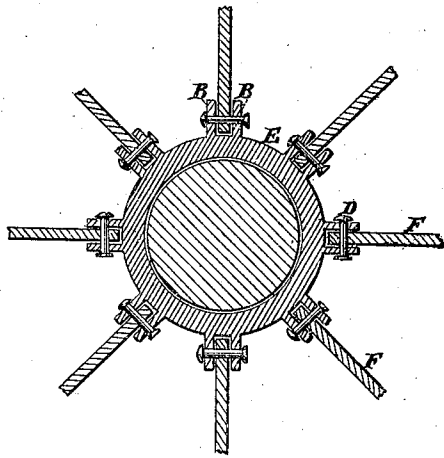


Fig. 2.



Witnesses:

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PER

# UNITED STATES PATENT OFFICE.

JOHN H. DALLY, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN UMBRELLAS.

Specification forming part of Letters Patent No. 122,810, dated November 5, 1872.

*To all whom it may concern:*

Be it known that I, JOHN H. DALLY, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Umbrellas, of which the following is a specification:

My invention consists of umbrella-rib collars and runners for the braces, with a pair of flanges or ears provided for each rib or brace, and the said rib or brace fastened therein by a rivet independently of the others, so that one can be taken out and another put in without disturbing the others.

Figure 1 is a sectional elevation of the rib-collar and brace-runner of an umbrella constructed according to my invention. Fig. 2 is an enlarged horizontal section on the line *xx*; and Fig. 3 represents a rivet such as I propose to use for fastening the ribs and braces, partly in side elevation and partly in section.

Similar letters of reference indicate corresponding parts.

A is the rib-collar, and B the flanges projecting in pairs from the periphery for the connection of the bows C independently of each other by rivets D. E is the brace-runner, with sim-

ilar flanges B, arranged in pairs at the periphery, for the connection of the braces F by rivets in the same manner that the ribs are connected. These ears or flanges will be formed by casting them together with the collars or runners, either in the form represented in the drawing or in the form of a collar, which will be partly cut away and leave the flanges, or a rolled tube of metal may have one end folded or rolled over upon the side in a press to form a collar which may be partly cut away, as in the case of the cast-metal collar, or they may be made in any other approved way. The ends of the ribs and collars are rounded in the parts opposite the bottoms of the flanges.

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

1. Umbrella-rib collars and runners for the ribs having a pair of separate and independent flanges, B, for each rib or brace, and said ribs and braces connected thereto by rivets, substantially as specified.

Witnesses: JOHN H. DALLY.

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