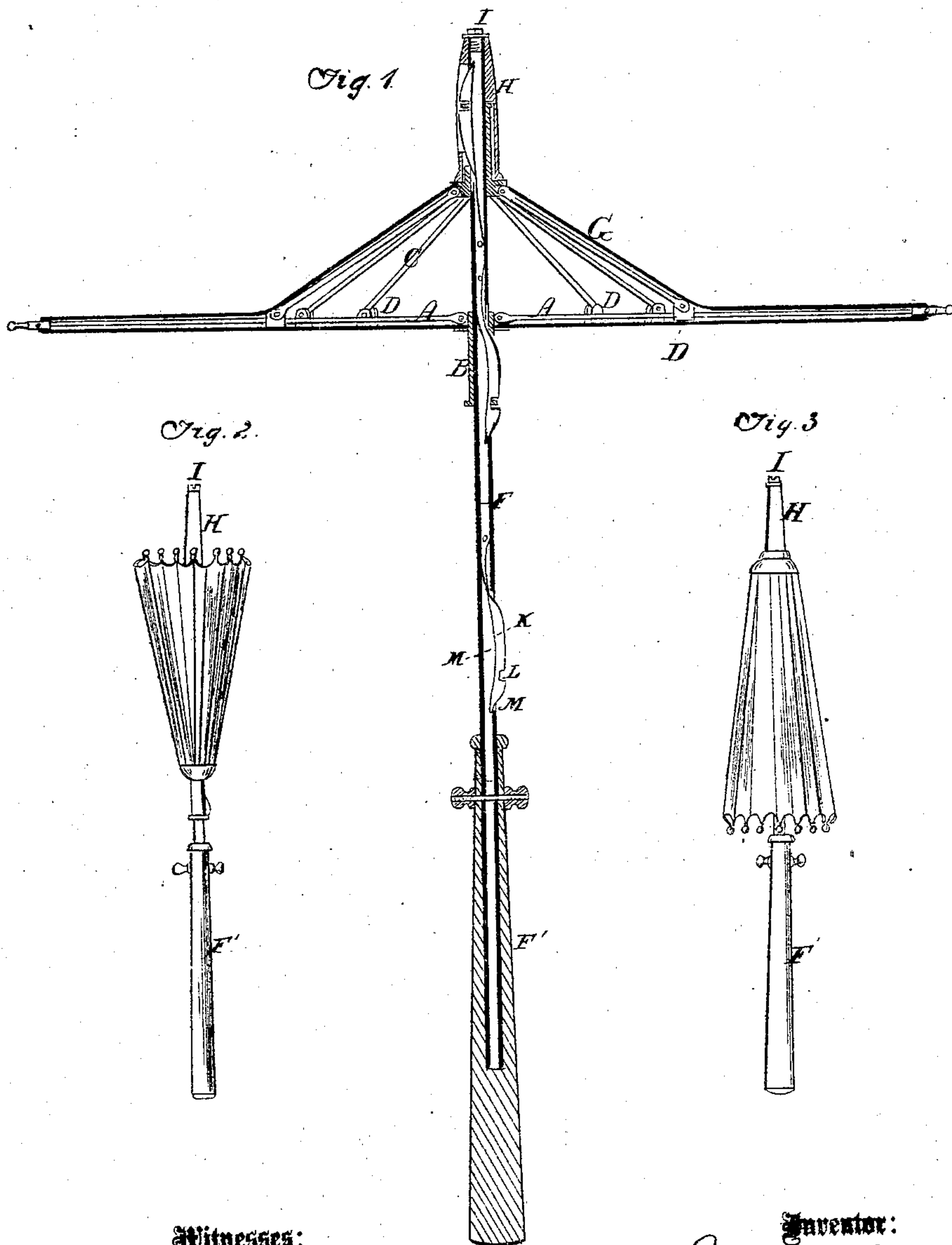


J. Williams, Parasol.

No 91,994.

Patented June 29, 1869.



Witnesses:

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Inventor:

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PER

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United States Patent Office.

JAMES WILLIAMS, OF NEW YORK, N. Y.

Letters Patent No. 91,994, dated June 29, 1869.

IMPROVEMENT IN REVERSIBLE PARASOLS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, JAMES WILLIAMS, of the city of New York, in the county and State of New York, have invented a new and useful Improvement in Parasols; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to improvements in parasols, designed to provide an arrangement of the arms which support the cover, and the braces whereby the cover when extended will represent, in form, a flat disk, with a conical central part, also a reversible arrangement of the said cover, arms, and braces, whereby the conical part may be made to project upward or downward from the flat part.

Figure 1 represents a sectional elevation of my improved parasol, in an extended position;

Figure 2 represents the same, when folded with the central part of the cover downward; and

Figure 3 represents the same, when folded with the central part of the top upward, as in the parasols of common construction.

Similar letters of reference indicate corresponding parts.

The expanding and contracting-frame, for supporting the cover, is made of strong, straight arms, or stretchers A, jointed to a runner, B, and braces C, which are jointed to slotted lugs D, on the arms, and to a sleeve, or runner, E, on the stock F, which sleeve I prefer to arrange above the runner B, and near the top of the stock, for the purpose of forming the central conical elevation G of the cover, which is so connected to the arms beyond the connection of the braces thereto, as to be maintained in a flat position to the ends of the arms.

In this position the frame is opened or closed, by sliding the runner B, to which the arms are connected, and the same may be effected by sliding it either up or down. If shoved up, the frame and cover will assume the position represented in fig. 3, and if moved down, it will take the position represented in fig. 2.

To permit the braces to fold over the runner B,

and the inner ends of the arms, when closed, by moving upward, I make the "top notch," or ring to which the braces are connected, larger than the top of the runner B.

The slides, or runners B E, and the stock, are so arranged that they may be readily detached therefrom by first detaching the tapered tube H, which is employed as a cover for the spring-catch at the top, and to give a finished appearance to the stock, and which is maintained thereon by the set-screw I.

The frame and its cover being thus detached from the stock, may be connected thereto by reversing the position, the runner E being placed below and the runner B at the top.

This will provide a parasol wholly flat on the top, which may also be opened or closed in either direction, by moving the runner either way.

I also propose to make the stock F detachable from the enlarged handle thereof, F', by making the latter tubular for a considerable distance from one end, and inserting the part F, and securing it by set-screws.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The arms, or stretchers A, braces C, cover and runners B E, arranged for maintaining the parasol, when extended, in the form of a flat disk, with a central conical projection, substantially as specified.

2. The arrangement of the runners, braces, stretchers, and holding-springs, whereby the cover or top is made detachable from the handle, for reversing the position thereof, substantially as and for the purpose specified.

3. A parasol-frame, arranged for folding or spreading the same by a movement of the runner, carrying either the braces or arms in either direction on the stock, substantially as specified.

The above specification of my invention signed by me, this 11th day of March, 1869.

JAMES WILLIAMS.

Witnesses:

FRANK BLOCKLEY,
E. GREENE COLLINS.