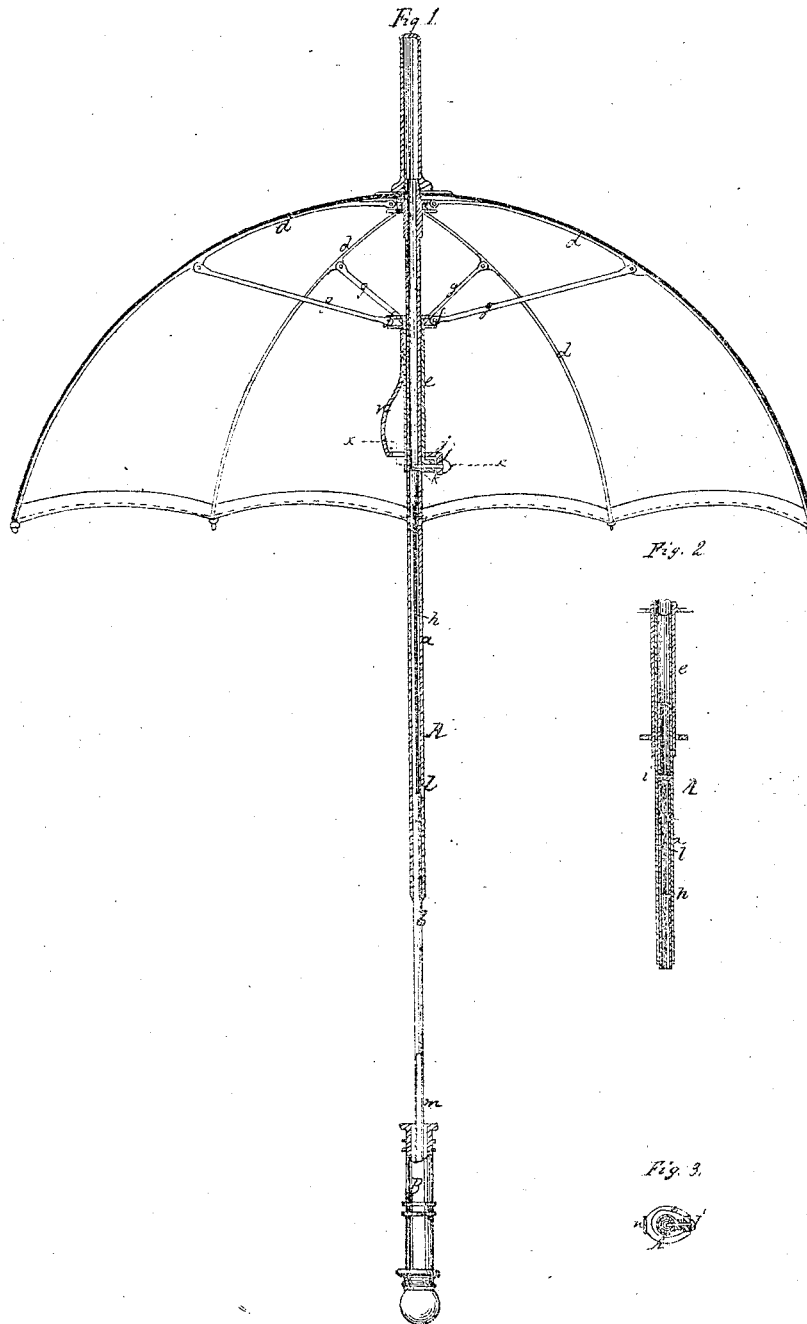


George Styles. Umbrella.

N^o 53,702.

Patented Apr. 3, 1866.



Witnesses,
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UNITED STATES PATENT OFFICE.

GEORGE STYLES, OF NEW YORK, N. Y.

IMPROVEMENT IN UMBRELLAS.

Specification forming part of Letters Patent No. 53,702, dated April 3, 1866.

To all whom it may concern:

Be it known that I, GEORGE STYLES, of the city, county, and State of New York, have invented a new and useful Improvement in Parasols, &c.; 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 drawings, forming part of this specification, in which—

Figure 1 represents a longitudinal central section of this invention when the same is open and ready for use. Fig. 2 is a detached sectional view of a portion of the staff. Fig. 3 is a transverse section of the same, taken in the plane indicated by the line *x x*, Fig. 1.

Similar letters of reference indicate like parts.

This invention relates to a parasol the staff of which is constructed on the telescope principle, so that the same can be lengthened when the parasol is to be used and shortened when the parasol is not used. The inner or extension tube is slotted throughout a large portion of its length, and a pin passing transversely through it, and secured in the outer or main tube, prevents the same from turning round, and a suitable spring-catch attached to the runner drops into holes in the outer and inner tubes and locks the parasol both when the same is open and when it is closed.

A represents the staff of my parasol, which is constructed of an outer tube, *a*, and an inner tube, *b*. To the top end of the outer tube a ring, *c*, is firmly secured, which sustains the wire that forms the bearings for the ends of the ribs *d* in the ordinary manner, and a runner, *e*, slides up and down on said outer tube, which sustains a wire, *f*, that forms the bearings for the braces *g*.

The tube *b* is fitted in the tube *a*, and it is provided with a slot, *h*, through which a pin, *i*, passes, that is secured in the outer tube, *a*, so that said inner tube can be drawn in or out

to the extent of the slot; but it is not allowed to turn in the main tube. A handle, *B*, secured to the inner tube, *b*, serves to operate the same and to hold the parasol when the same is to be used. This handle is provided with an annular socket to admit the lower end of the main tube *a*, so that the length of the staff can be reduced as much as possible when the parasol is not used.

The runner *e* is provided with a spring-catch, *j*, which drops into a hole, *k*, in the outer tube and over the end of the inner tube when the parasol is open, and into holes *l m* in the outer and inner tubes when the parasol is closed, and by these means said parasol is locked when it is open as well as when it is closed.

The spring-catch *j* consists of a pin which is supported by a trigger-spring, *n*, and guided in the runner. By pressing against the curved part of the trigger-spring the pin is released from the socket in the runner and from the holes in the tubes, and the parasol can be opened or closed, as the case may be.

By this arrangement a simple and durable parasol is obtained, the staff of which can be readily lengthened or shortened, and which when shortened is convenient to carry in a hat-box or other small receptacle.

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

1. The telescope-tubes *a b*, with holes *k l m*, in combination with the spring-catch *j* and runner *e* of a parasol, constructed and operating substantially as and for the purpose described.

2. The trigger-spring *n*, in combination with the catch *j*, runner *e*, and tubes *a b*, substantially as and for the purpose set forth.

The above specification of my invention signed by me this 14th day of September, 1865.

GEORGE STYLES.

Witnesses:

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W. HAUFF.