

JAMES LOUIS JACQUIN.
Improvement in Parasols.

No. 121,625.

Patented Dec. 5, 1871.

Fig: 1

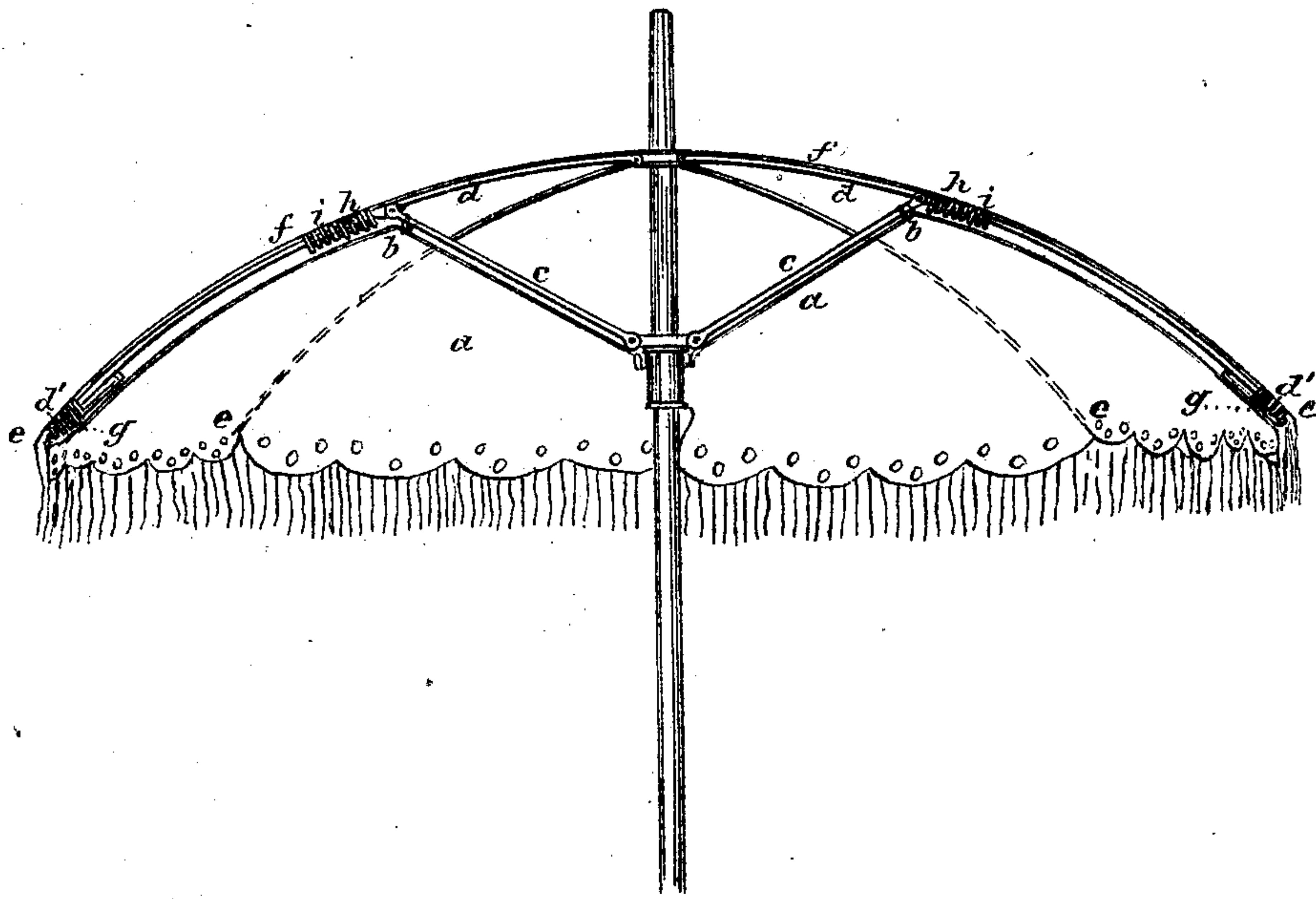
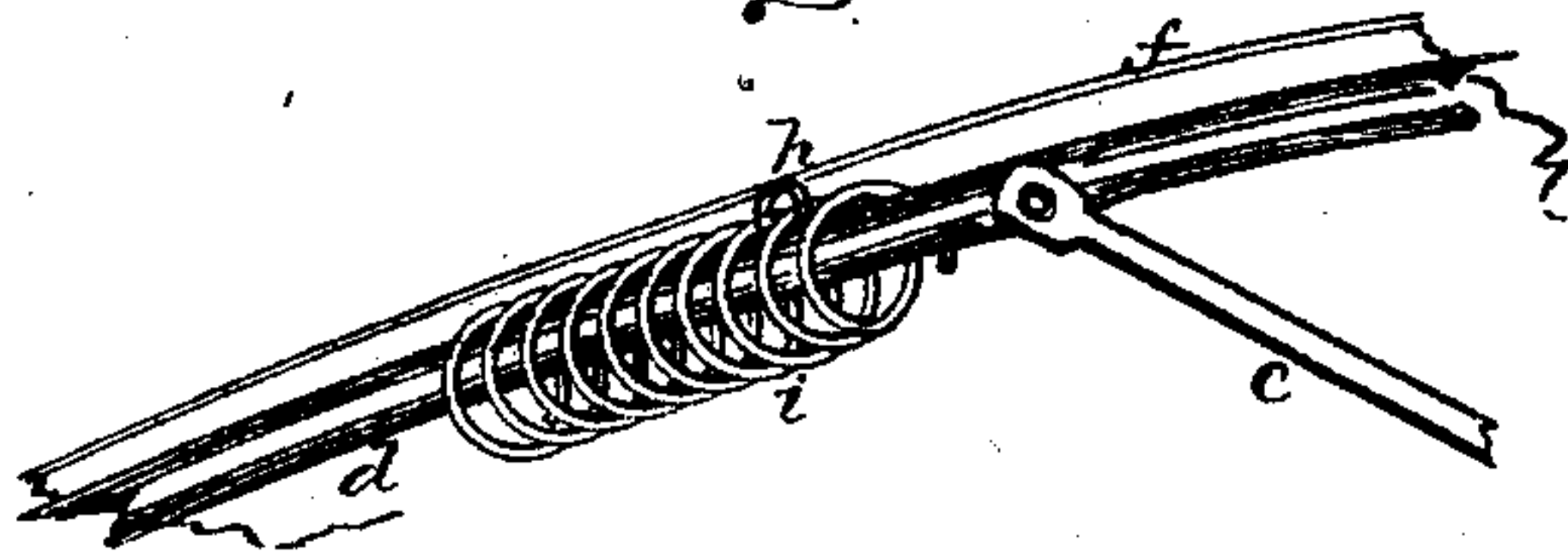


Fig: 2.



Fig: 3.



Witnesses:

J. West Wagner.
Robt. Edw. Stevens

Inventor:

James Louis Jacquin.

by

Johnson Klauke & Co
his Attorneys.

UNITED STATES PATENT OFFICE.

JAMES LOUIS JACQUIN, OF NEW YORK, N. Y.

IMPROVEMENT IN PARASOLS.

Specification forming part of Letters Patent No. 121,625, dated December 5, 1871.

To all whom it may concern:

Be it known that I, JAMES LOUIS JACQUIN, of the city, county, and State of New York, have invented a new and useful Improvement in Parasols, of which the following is a specification:

My invention consists of a flexible elastic skeleton wire tip attached to the ends of the seams of the cover of a parasol, which tips, by being passed over the ends of the ribs of the frame, securely hold the cover on the latter, so as to render the cover easily removable and interchangeable in color; the said skeleton or wire tips serving the new and advantageous function of yielding to the contraction or over-stretching of the cover when opened, or from any other cause. Also, of independent sliding spiral wire fastenings, encircling and freely sliding on the ribs of the parasol frame, the open ends of which may be screwed into loops or rings attached to the parasol cover so as to hold the cover to the springs, where, in ordinary parasols, the cover would be sewed on or secured by clasps.

These two fastenings enable the ready removal of one cover and the replacement of another without the necessity of sewing the cover at any place, the elasticity of the spiral tips and the spiral spring fastenings preventing the over-stretching of the cover and compensating for the stretching of the material in use.

In the accompanying drawing, Figure 1 represents a vertical central section through a parasol embracing my invention. Fig. 2 represents a detached perspective view of one of the skeleton spring-tips for holding the ends of the cover, and Fig. 3 is a similar view of the device for fastening the cover to the ribs.

The object of my invention is to manufacture parasol frames with a certain number of removable covers, the frame being at pleasure provided with a stationary lining, the color of which may be harmonious to that of the different colors of all the separate covers. In this way one frame answers for any number of covers, and ladies may wear with different colored dresses parasols of a corresponding color without the necessity of having a corresponding number of parasol-frames.

When the parasol is provided with a stationary lining, *a*, this lining is sewed on the frame, as shown in Fig. 1, and it being fastened in the usual manner at *b*, where the braces *c* are jointed to the ribs *d*, the latter, when expanded, are kept at prop-

er distances from each other and keep the cover properly expanded without requiring any other fastening. Under the corners *e* of the cover *f*, which are commonly sewed to the ends of the ribs *d*, are suitably secured flexible elastic spiral wire tips *g*, of sufficient size and strength to pass over the ends *d'* of the ribs and to hold the cover firmly in place. I have shown these tips on an enlarged scale.

The covers in the manufacturing of parasols being made in certain sizes to suit corresponding sizes of frames, will, when provided with these tips, fit any correspondingly-sized frame, and the cover of a parasol being worn out another one may be purchased and instantly affixed to the old frame without sewing or other fastening. As the lining *a* of the parasol keeps the ribs *d* at a proper distance from each other, some provision must be made in the use of the removable covers for this purpose, when it is desired to manufacture parasols without lining, so as to keep the ribs under the corresponding seams of the cover. This I accomplish by attaching to the inner side of the cover, at each seam, a little below the point where the joint *b* of the braces *c* to the ribs *d* bears against the cover, loops or rings *h*, into which the upper free open end of the spiral spring fastenings *i* is screwed, which fastenings slide upon the ribs *d*, and are so arranged as to remain on the said ribs *d* permanently. When the cover has been slipped over the frame and the tips passed over the ends of the ribs *d*, the upper ends of the fastenings *i* are placed into the loops or rings *h*, and by revolving the fastenings *i* around the ribs *d* these rings or loops are screwed into the coils of the spiral fastening, which coils securely lock and hold the rings or loops in place, thus keeping the cover in place over the ribs, and preventing the latter from moving toward each other under the cover. The tips *g* being made of thin wire, in spiral form and elastic, keep the cover always tight, no matter how much the material may stretch or contract, for, being elastic, they give with the contraction of the material and contract with its expansion, thus fully compensating for these natural changes, and preventing the tearing of the material by over-tension or its wrinkling and puckering up by relaxation.

It will be readily understood that the tips *g* and fastenings *i* and loops *h* may be applied with

like results to umbrellas, so that if the handle and frame of an umbrella be broken the old cover may be placed on a new frame, and vice versa.

It will be readily understood that the lining also may be held by the spiral spring fastening *i*, in which case the lining is also provided with a loop or ring, *h*, through which and the ring on the cover of the fastening *i*—in that case placed above the joint *b* of brace *c*—may pass, so that the same fastening holds both cover and lining. In that case the ends or corners of the lining will be also secured to the tips *g*.

Having described my invention, I claim—

1. The wire-spring tips, in combination with

the cover and the frame ribs of a parasol or umbrella, as described.

2. The wire coils *i*, arranged to have a movement on the ribs for interlocking with rings or loops at the seams of the cover as a means for holding the ribs at proper distances apart and beneath the seams whether the fixed lining is used or not, as described.

In witness whereof I have hereunto set my hand this 1st day of November, A. D. 1871.

JAMES LOUIS JACQUIN.

Witnesses:

JACOB DU BOIS,

R. J. GEMMILL.

(165)