

I. E. Palmer's Injⁿ in Mosquito Canopies.

74933

PATENTED

FEB 25 1868

Fig. 1.

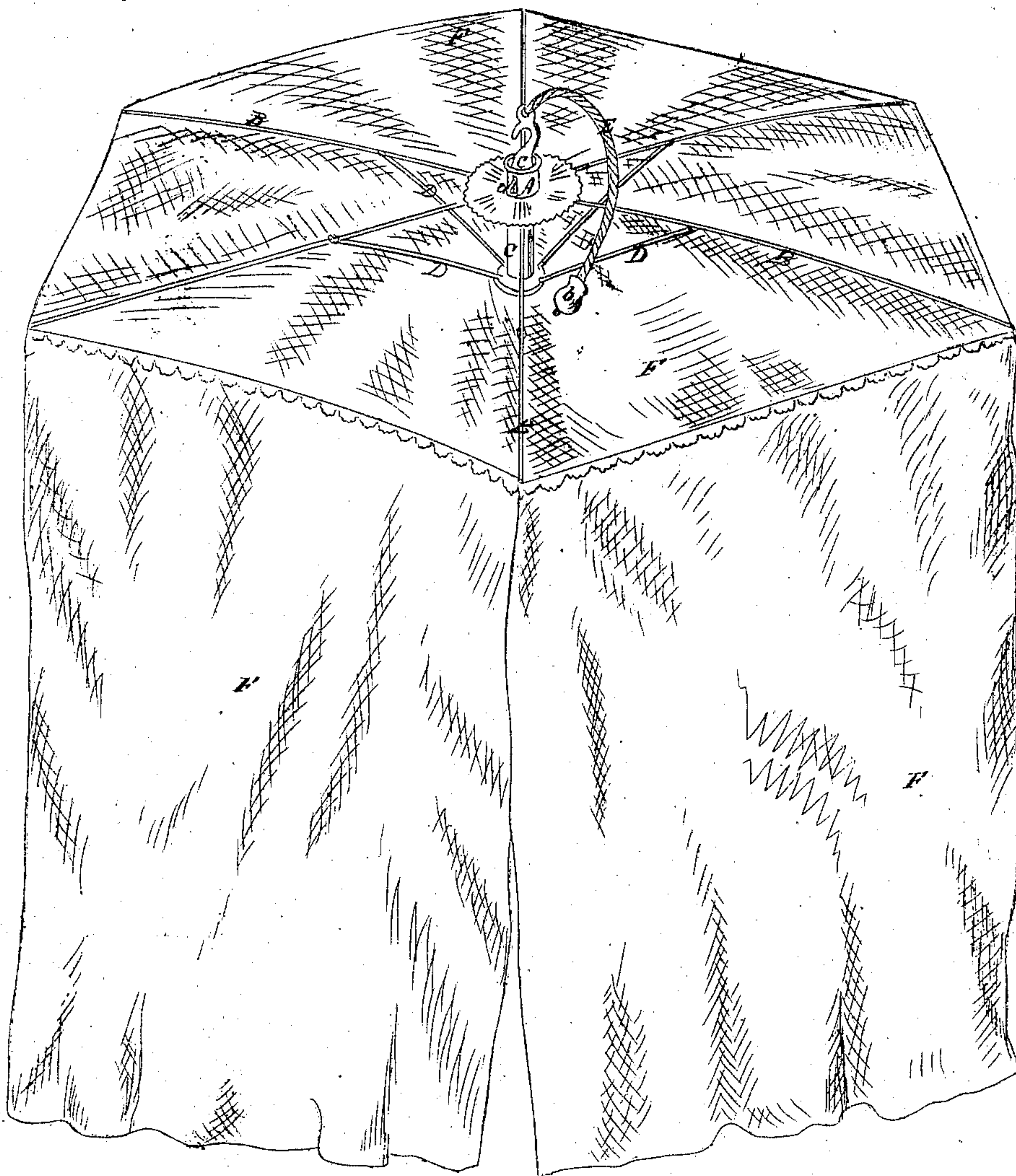
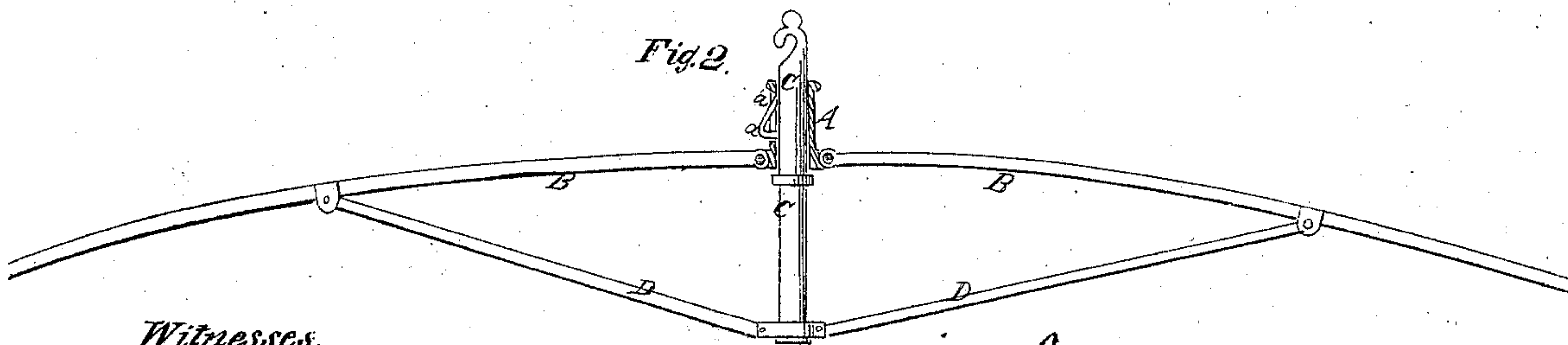


Fig. 2.



Witnesses

J. M. Combs,

A. Hellere

I. E. Palmer,
per Brown, Combs & Co
Attys

United States Patent Office.

ISAAC E. PALMER, OF HACKENSACK, NEW JERSEY.

Letters Patent No. 74,933, dated February 25, 1868.

IMPROVED MOSQUITO-CANOPY.

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, ISAAC E. PALMER, of Hackensack, in the county of Bergen, and State of New Jersey, have invented a new and useful Improvement in Mosquito-Canopies; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figure 1 is a perspective view of a mosquito-canopy constructed according to my invention.

Figure 2 is a vertical transverse section of a portion of the same.

Similar letters of reference indicate corresponding parts in both figures.

The object of this invention is to dispense with the necessity of placing the hand within the canopy in expanding or spreading the same, and thereby to facilitate the manipulation of the canopy in adjusting the same for use. The invention consists in an operating-cord and a holding-stem furnished with a spring-catch, so arranged as to work through the tubular socket to which are attached the radial ribs of the canopy, by which means the desired result is effectually secured.

To enable others to understand the construction and operation of my invention, I will proceed to describe it with reference to the drawings.

A shows the tubular socket, to which are pivoted the inner ends of the radial ribs B. Indicated at C is a holding-stem, the upper end of which works through the socket just mentioned, as shown in fig. 2, and herein-after explained. This stem C has pivoted to its lower extremity the radial braces D, the outer ends of which are pivoted to the ribs B, as represented in both the figures. The holding-stem C is furnished with a spring-catch, *a*, fitted into a recess formed longitudinally in one side thereof, and which, when the ribs B are spread out or expanded, fits through a slot, *a'*, provided in the adjacent side of the socket, and serves to hold the aforesaid ribs in their expanded condition. Attached to the upper extremity of the holding-stem is an operating-cord, E, by means of which the holding-stem is drawn upward to spread apart or expand the ribs. The net or reticulated material F may be of any appropriate kind, and is placed over or upon the aforesaid ribs in any ordinary or suitable manner.

When the ribs are held in an expanded condition by means of the holding-stem and its spring-catch *a*, as hereinbefore set forth, the net F will be held spread out and supported in the manner required for use, and when it is desired to fold the apparatus into a small compass, it is only necessary to force inward the spring-catch *a* from its hold in the slot in the side of the socket A, thus releasing the ribs B, which are then brought into a position nearly or quite parallel with each other, whereupon the net may be wrapped closely around them. When the ribs are thus closed or brought together, the holding-stem C will be forced downward out of the socket, thus drawing the operating-cord E with it, the said cord being, however, prevented from passing wholly through the socket by means of a knob, *b*, secured to the end thereof, so that, in order to again expand the canopy, it is only required to draw upward the said cord, which, by forcing upward the holding-stem, spreads the ribs until the spring-catch *a* of the said stem, catching through the slot in the side of the socket, holds the ribs in position, as hereinbefore explained, any necessity of passing the hand within the net to expand or adjust the canopy, as required in those of ordinary construction, being, by this means, effectually avoided.

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

The operating-cord and holding-stem, secured to the braces D, and arranged to work through the tubular socket A of the ribs B, whereby the canopy may be expanded from the exterior thereof, substantially as herein shown and described.

Witnesses:

J. W. COOMBS,

A. LE LLERC.

ISAAC E. PALMER.