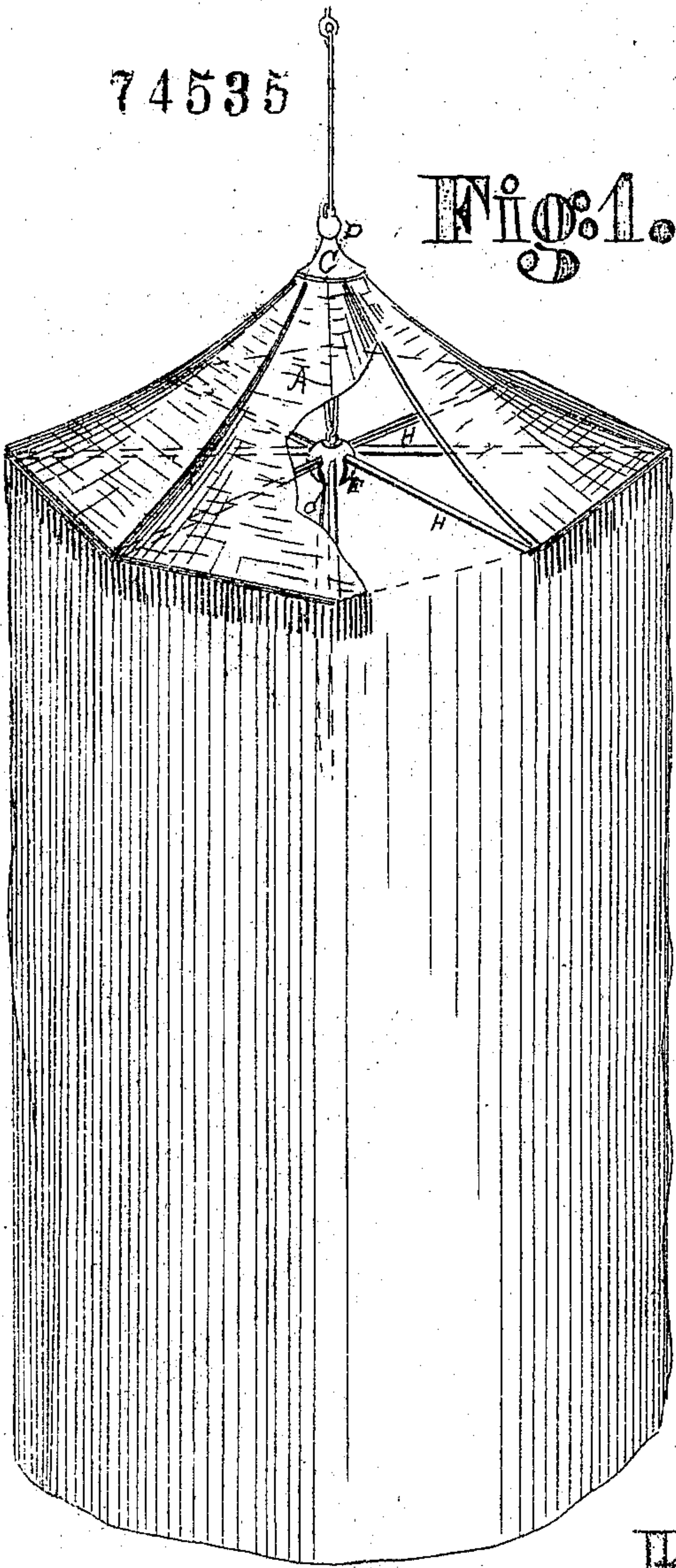


J.B. HOLMES

Improvement in
CANOPIES FOR TENTS & BED-NETTINGS.

74535

Fig. 1.



PATENTED
FEB 18 1868

Fig. 2.

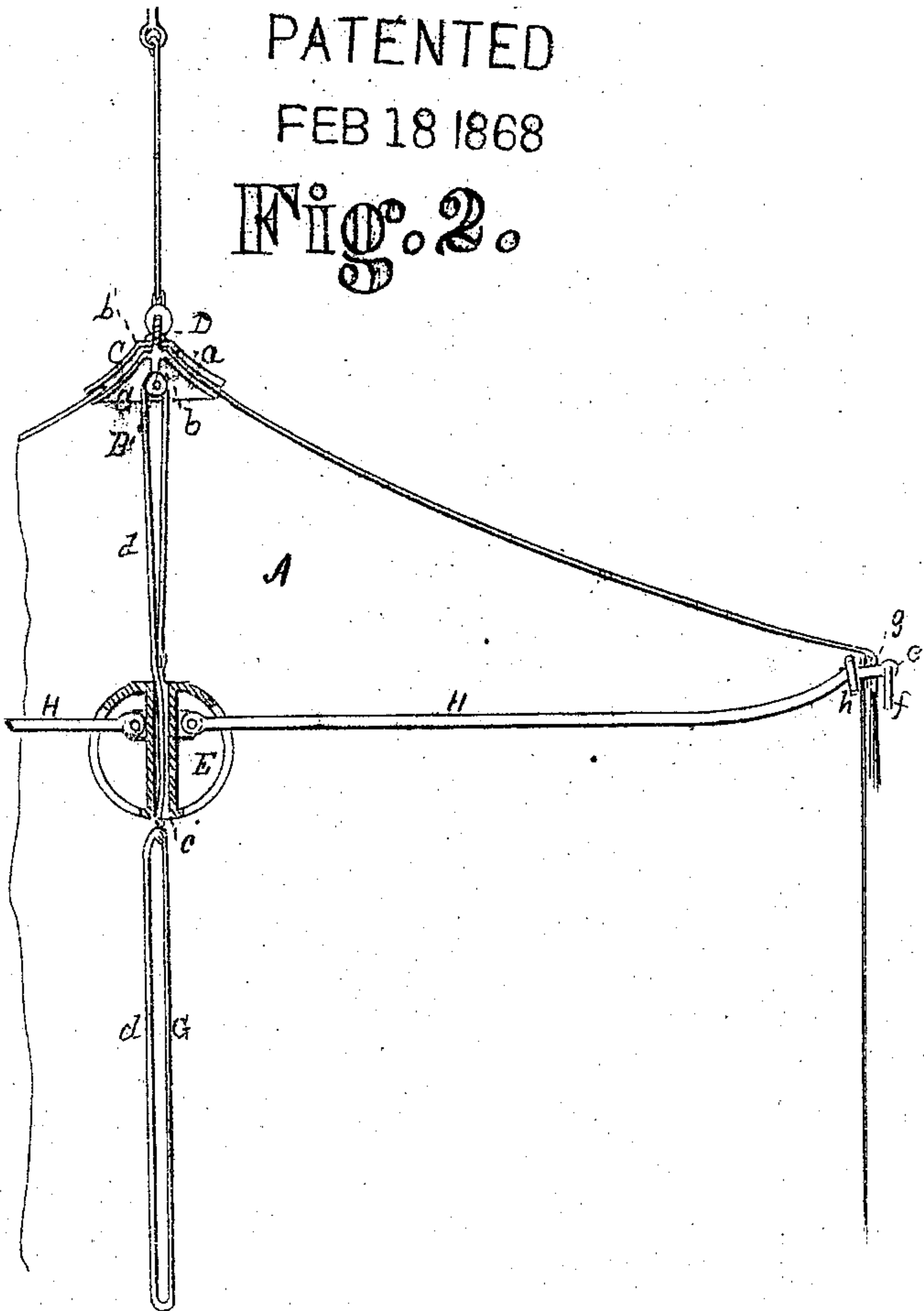
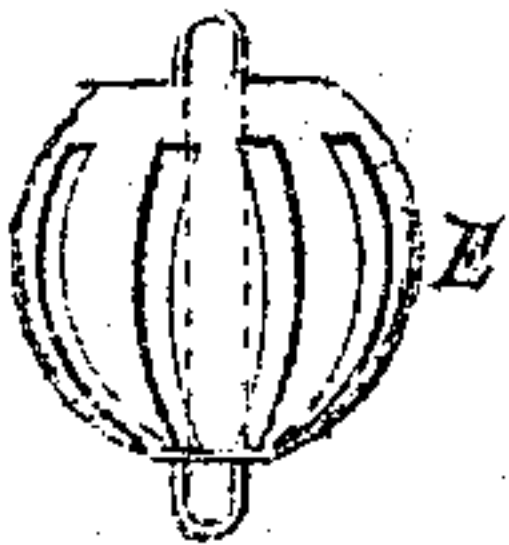


Fig. 3.



Attest.

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Inventor.

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United States Patent Office.

J. BURT HOLMES, OF CINCINNATI, OHIO.

Letters Patent No. 74,535, dated February 18, 1868.

IMPROVED CANOPY FOR TENTS AND BED-NETTINGS.

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, J. BURT HOLMES, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and useful Improvement in Canopies for Tents and Bed-Nettings, of which the following is a full and clear description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to the construction and arrangement of certain mechanical devices in connection with the canopy, by means of which it may be spread or opened, and closed when not in use.

Figure 1 is a perspective of my improved canopy, having a bed-netting attached thereto.

Figure 2 is a vertical central section of the same.

Figure 3 exhibits an elevation of the stretcher-support and an end view of the stretcher.

The canopy A is bell-shaped or conical, when spread, as shown in fig. 1. It is made of canvas or other suitable material. A small opening, *a*, in the centre of the canopy, is occupied by the pulley-bolt *b*, which has the collar *b'* located a short distance from the inner end, to which is pivoted the roller or pulley B. The inner cap, C, is secured to the collar *b'*. It is made of thin metal, and is bell-shaped. An outer cap, C', similar in shape to the cap, C, is pressed down upon the canopy A by suspension nut and eye D clamping it between the two caps, C C'. A cord, pendent from the ceiling, is attached to the nut and eye D. The stretcher-support E is spherical, or other desirable shape. It has the diametrically vertical opening *c*, through which the operating or collapsing-cord *d* passes. The collapsing-cord *d* is secured, at one end, to a ring attached to the upper part of the stretcher-support. It passes over the pulley B, thence down through the stretcher-support E. The expanding-cord G is securely attached to the stretcher-support, from which it is pendent. A series of arms, termed stretchers, H, (any convenient number may be used,) are pivoted within the stretcher-support. Their outer ends are perforated, *e*, through which is passed the split ring *f*, when the eyelet *g*, in the canopy, is placed upon the ends of the stretchers. Near the extreme end of each stretcher, H, are stops *h*, to prevent the canopy from collapsing when expanded by the extension of the stretchers.

My improved canopy is designed for tent-tops, as well as to be used by itself as a shield from the sun, and is applicable as the upper section of pendent bed-nettings. In order to spread the canvas or netting constituting the canopy proper, the operator draws down the cord G, depressing the stretcher-support, and expanding the stretchers H, when the canopy is spread out to its full extent, as exhibited in fig. 1 of the drawings. In order that the cord *d* shall not pass up through the centre of the stretcher-support, a stop is secured to it, of a size too large to enter the central opening in the stretcher-support. When it is desirable to remove or pack for transportation the canopy, the collapsing-cord *d* is drawn down, thus elevating the stretcher-support to near the apex of the canopy, when the stretchers H fold together, and the canopy may be laid aside, or transported as readily as a closed umbrella.

The advantages of my improved canopy over those now in use are, its adaptation to the purposes herein set forth, and the simplicity of construction and operation of its various parts, whereby it is easily adjusted to or removed from its place.

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

1. The canopy A, in combination with stretchers H and stretcher-support E, when the same are constructed and operate substantially in the manner as and for the purpose herein set forth and described.

2. The caps, C C', pulley-bolt *b*, and nut and eye D, when arranged substantially as specified, and for the purpose set forth.

3. The stretcher-support E and stretchers H, constructed as herein shown and specified, and for the purpose set forth.

Witnesses:

C. L. FISHER,
SAMUEL R. RUSSELL.

J. B. HOLMES.