

J. N. SCRANTON.

Window-Shades or Venetian Blinds.

No. 153,382.

Patented July 21, 1874.

Fig. 1

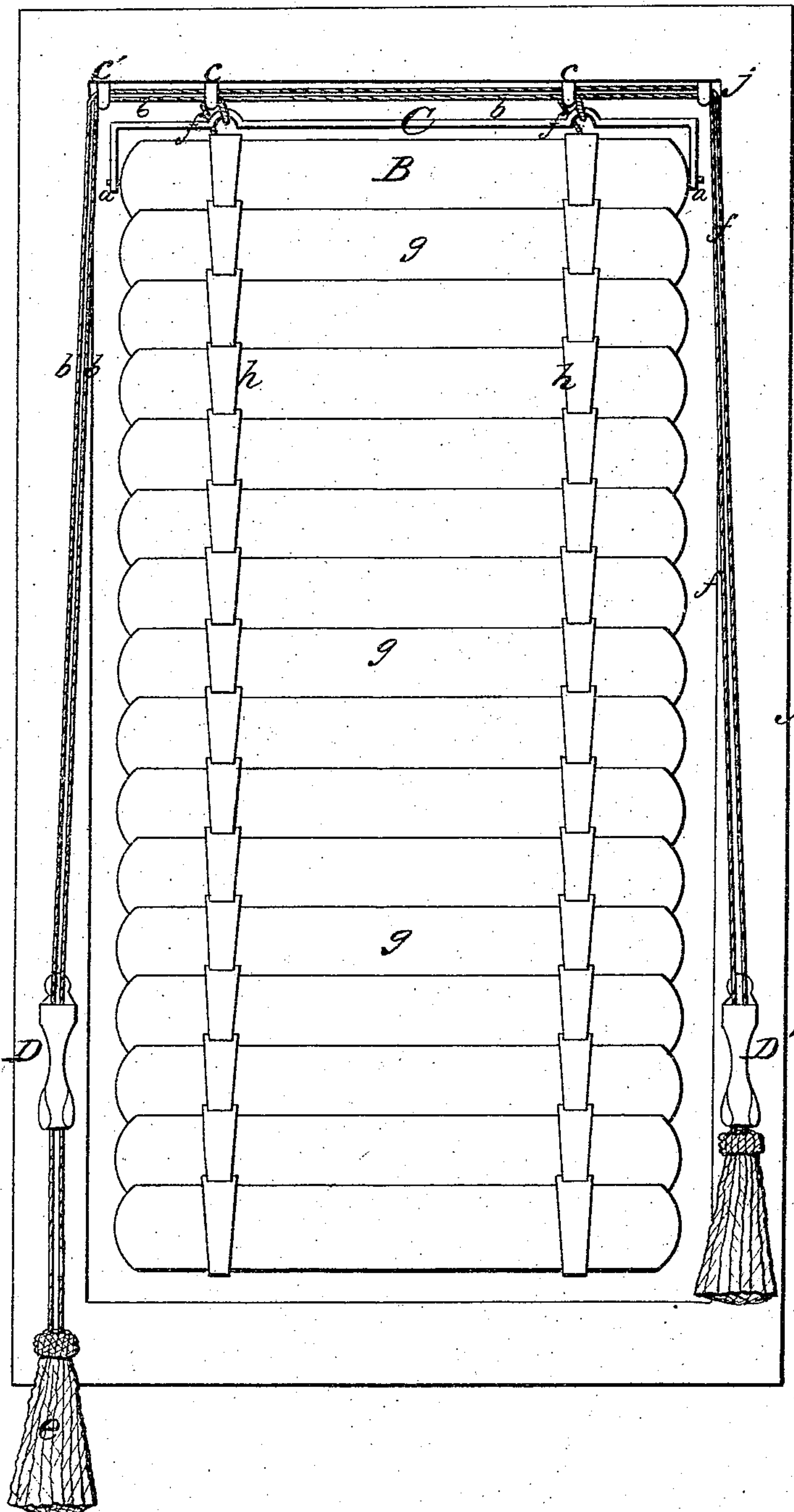
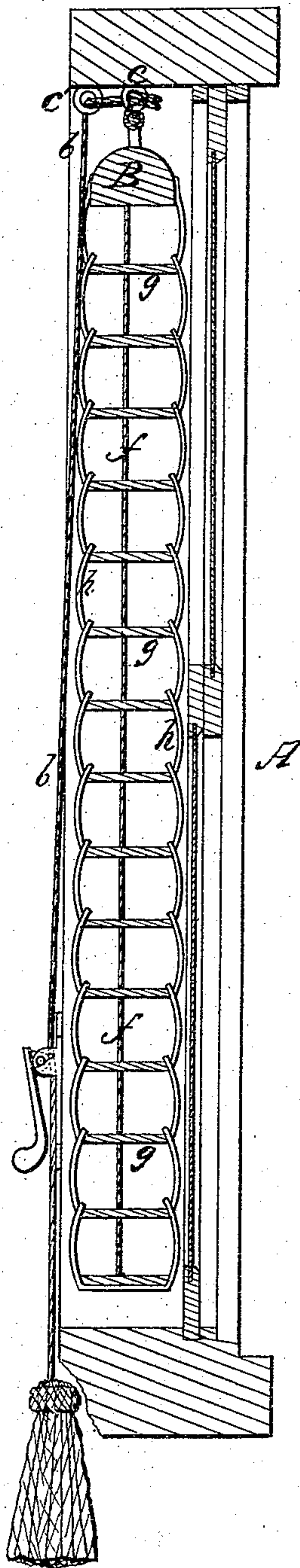


Fig. 2



WITNESSES

E. H. Bates

Geo. C. Upham, By

INVENTOR

John N. Scranton

Chipman & Hornsby

ATTORNEYS.

J. N. SCRANTON.

Window-Shades or Venetian Blinds.

No. 153,382.

Patented July 21, 1874.

Fig. 3

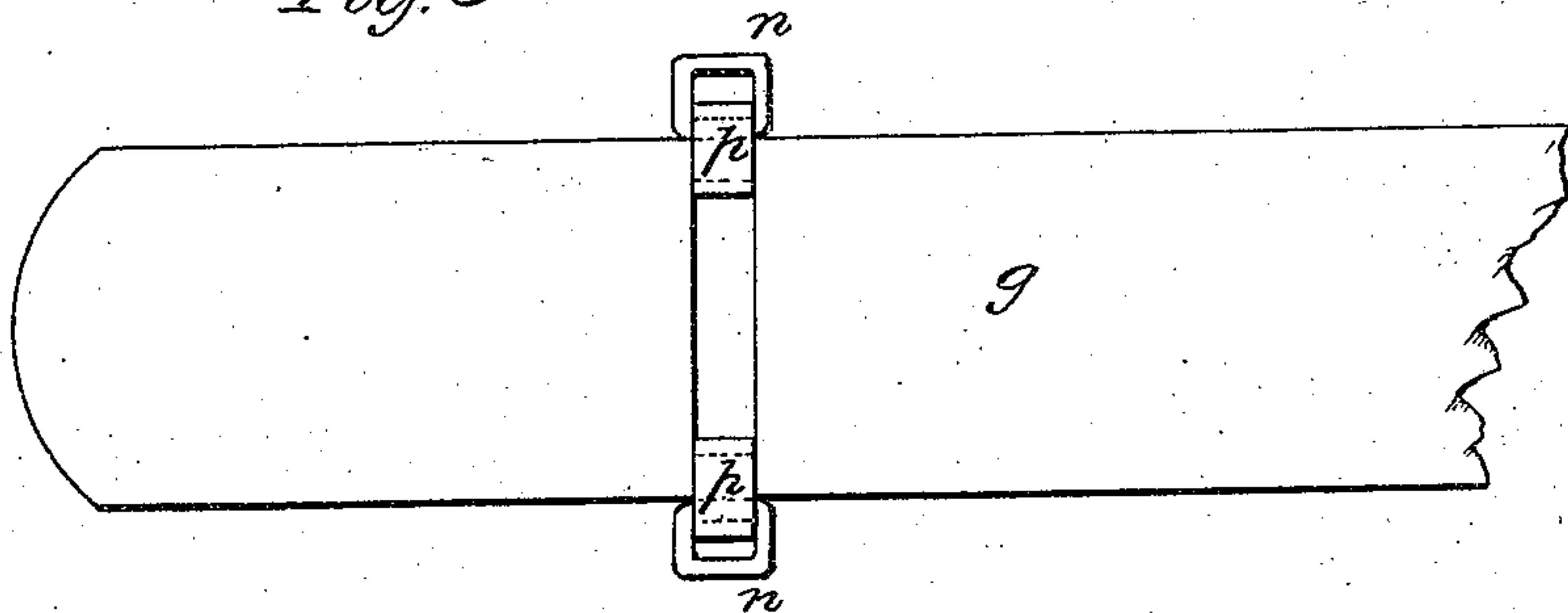
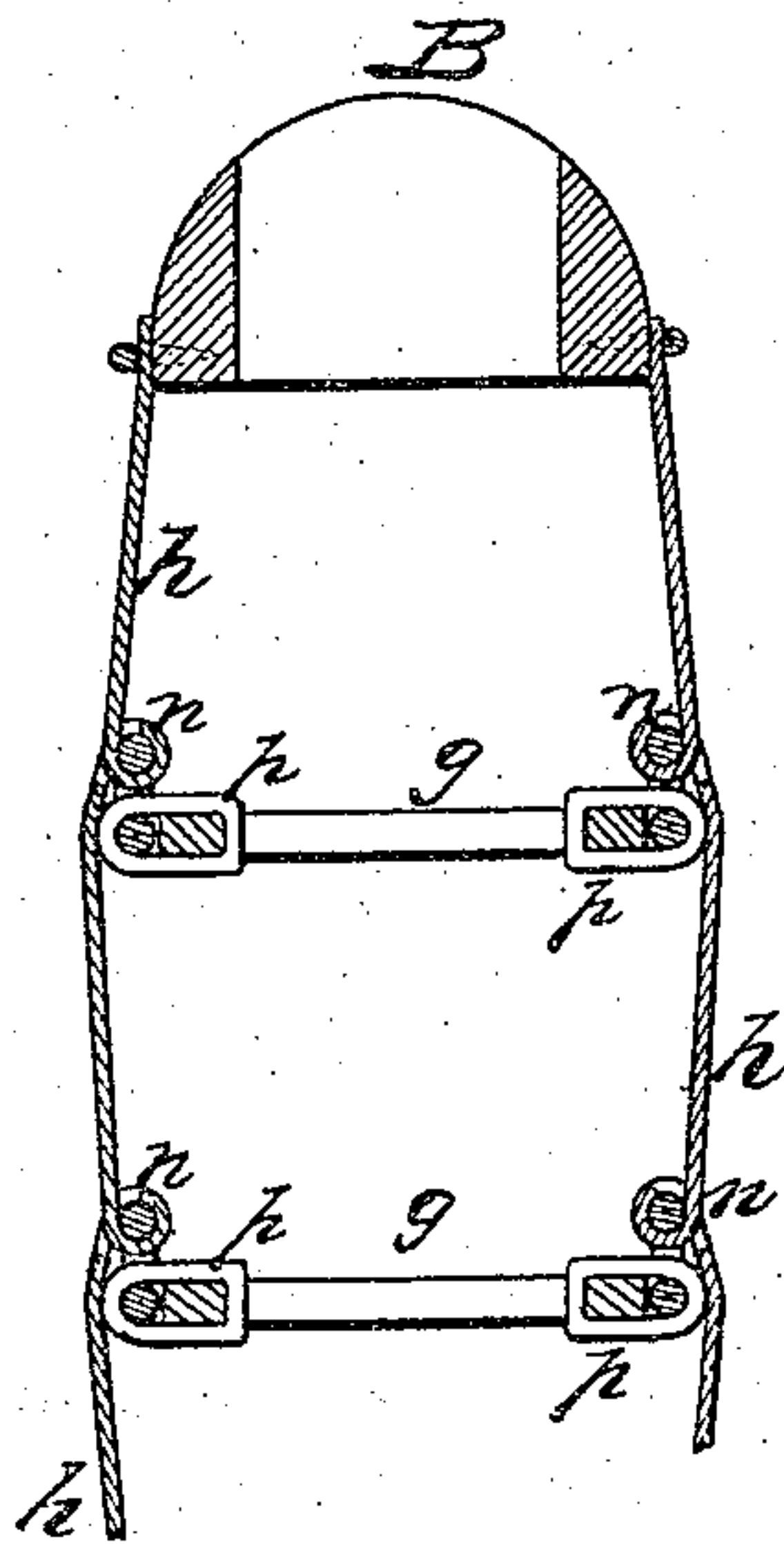


Fig. 4



WITNESSES

E. H. Bates
Geo. E. Upham. B71

INVENTOR

John N. Scranton
Chipman Hosmer & Co
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN N. SCRANTON, OF BENNINGTON, VERMONT.

IMPROVEMENT IN WINDOW-SHADES OR VENETIAN BLINDS.

Specification forming part of Letters Patent No. **153,382**, dated July 21, 1874; application filed March 21, 1874.

To all whom it may concern:

Be it known that I, JOHN N. SCRANTON, of Bennington, in the county of Bennington and State of Vermont, have invented a new and valuable Improvement in Window-Shades; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a front view of my window-shades. Fig. 2 is a sectional view of the same; and Figs. 3 and 4 are detail views.

This invention has relation to window-shades, which are composed of thin slats connected together by means of webbing, and hung by cords, so that they can be raised and lowered. The nature of my invention consists mainly in attaching the webbing to the edges of the slats by means of articulating loops and clasps, the upper ends of which webbing being secured by staples or otherwise to an oscillating bar, which is suspended in such manner that it is free to be moved with the slats, as will be hereinafter explained.

In the annexed drawings, I have represented my improvements applied to a window-frame, A. B designates an oscillating bar, which is preferably made half-round. The ends of this bar are attached by pivot-pins *a* to the bent ends of a suspension-rod, C, which will allow the said bar to oscillate freely. The rod C with its bar are suspended by means of cords *b b*, which are passed through eyes or pulleys *c c c'*, fixed into the top of the window-frame, and from the eye *c'* these cords are carried down through a fastening, D, and have attached to their lower ends a tassel, *e*. The fastening D consists of a pivoted dog or

finger-lever and a bearing-plate. The short angular portion of the lever is held in contact with the two cords *b b* by the longer gravitating portion of this lever. When the cords are free the bar B, with the slats attached to it, can be raised and lowered. The slats *g* are connected together by means of narrow webbing-strips *h*, and these slats raised and lowered by means of cords *f f*, which are attached to the bottom slat of the shade and carried up through oblong holes made through all the slats, and also through the bar B, thence passed through the eyes or pulleys *c c j* and carried down to a fastening, D', which is made like the fastening D on the opposite side of the window-frame. The webbing-strips *h* are attached to metal loops or links *n* by looping the webbing, as shown in the drawings, and these loops or links are pivoted to the edges of the slats by means of metal clasps *p* applied at the extremities of the oblong holes, through which the cords *f f* pass.

By thus attaching the webbing-strips to slats hung as described, all the slats composing the shade can be opened or closed on each other by simply turning any one of the slats.

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

1. In a venetian blind the combination of the slats *g*, narrow webbed strips *h*, loops *n*, and the metal clasps *p*, substantially as specified.

2. The combination of the suspension-rod C an oscillating bar, B, to which the webbing-strips *h* are secured, as herein described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN N. SCRANTON.

Witnesses:

THOMAS WHITE,
LEWIS B. CHANDLER.