

G. H. Woodworth,

Inside Blinds.

N^o 24,900.

Patented July 26, 1859.

Fig. 1

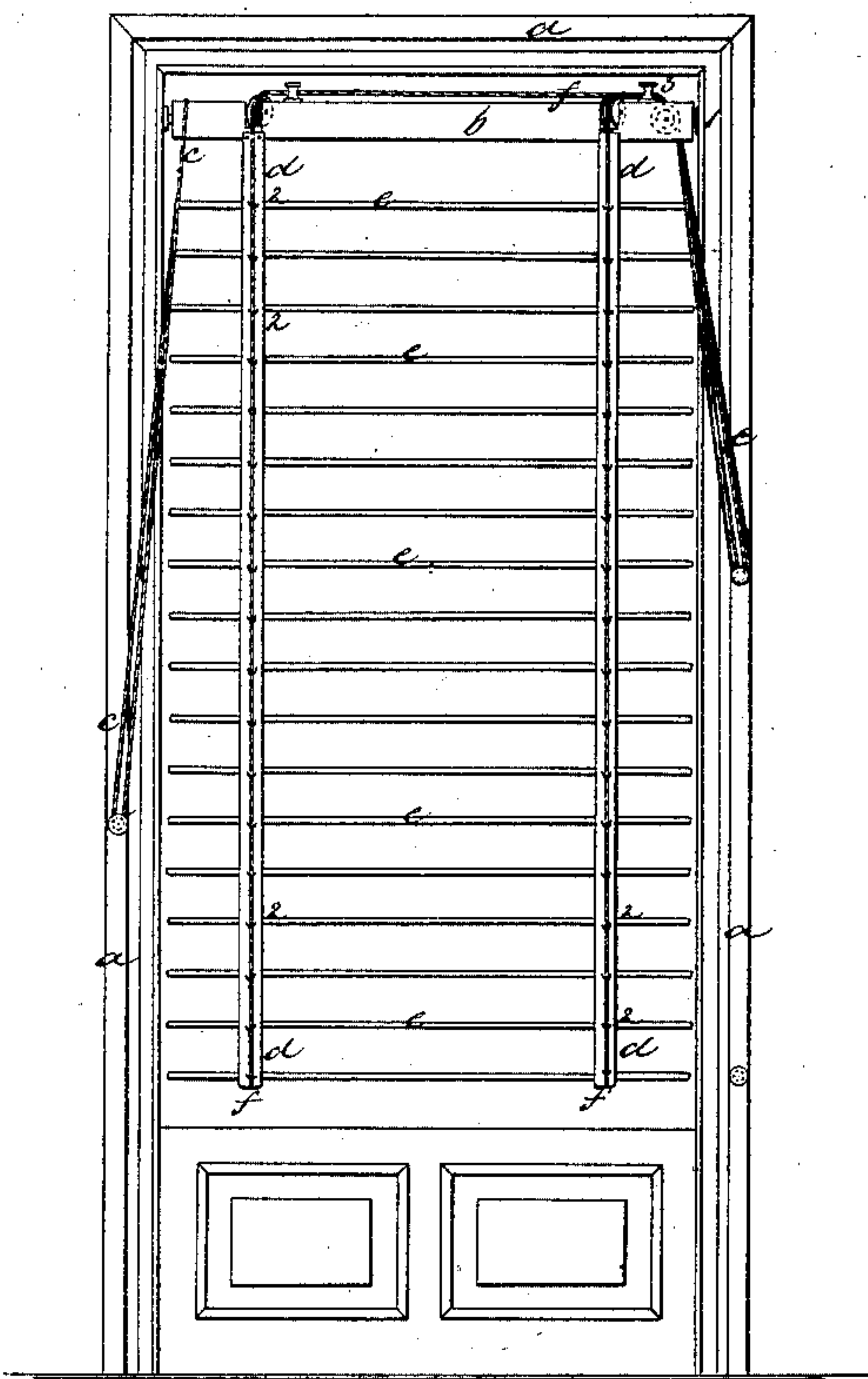


Fig. 2

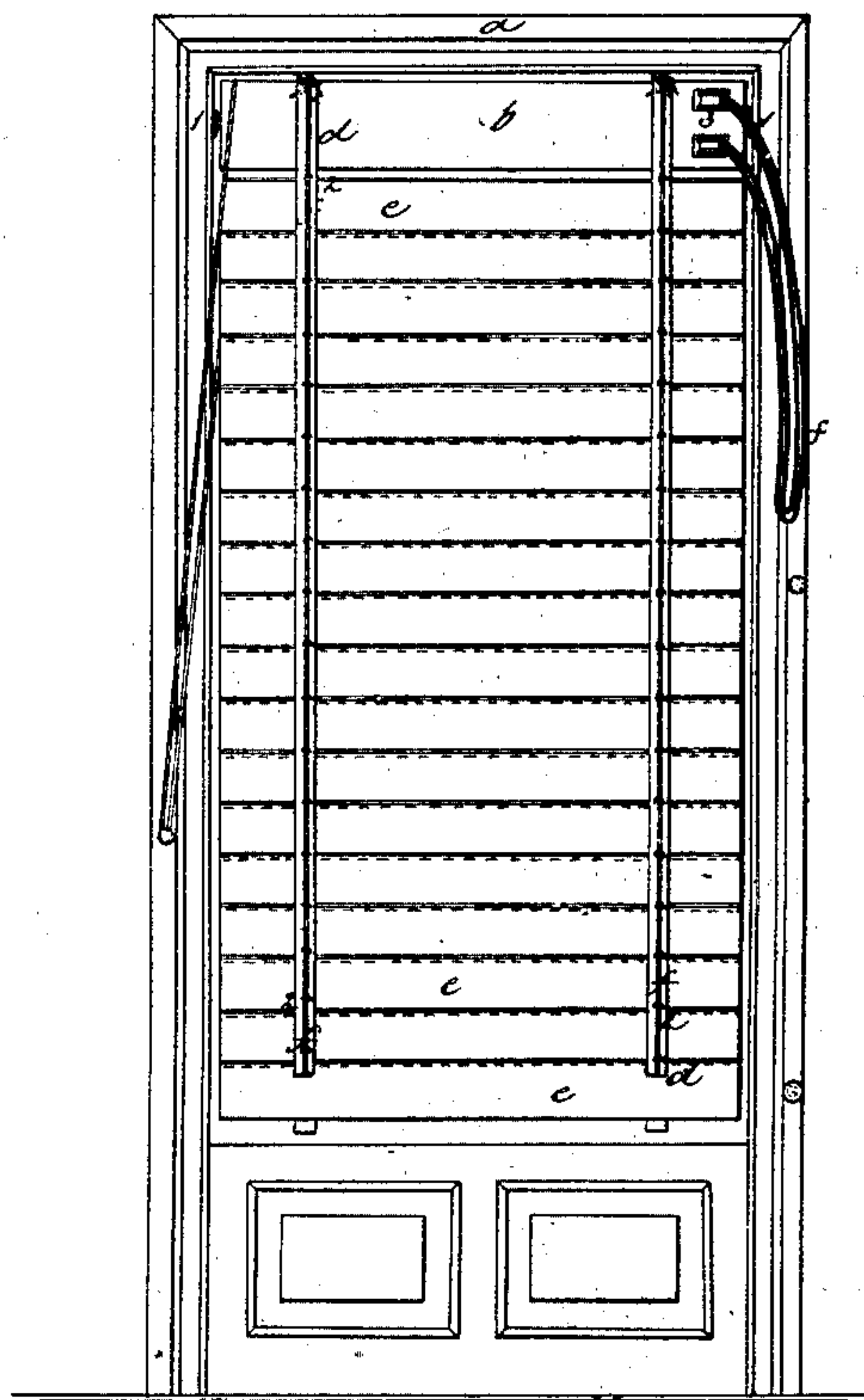
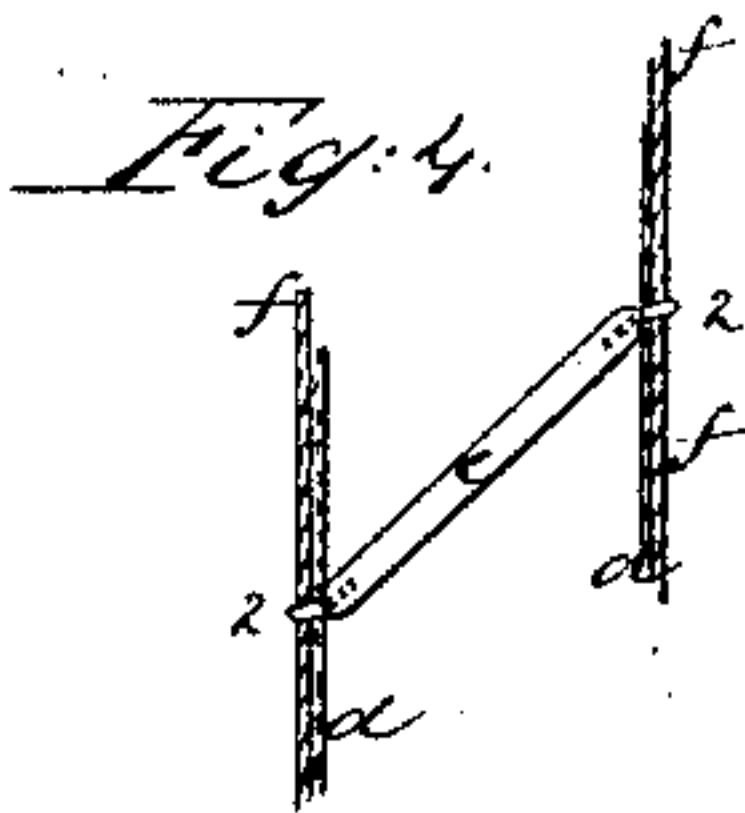
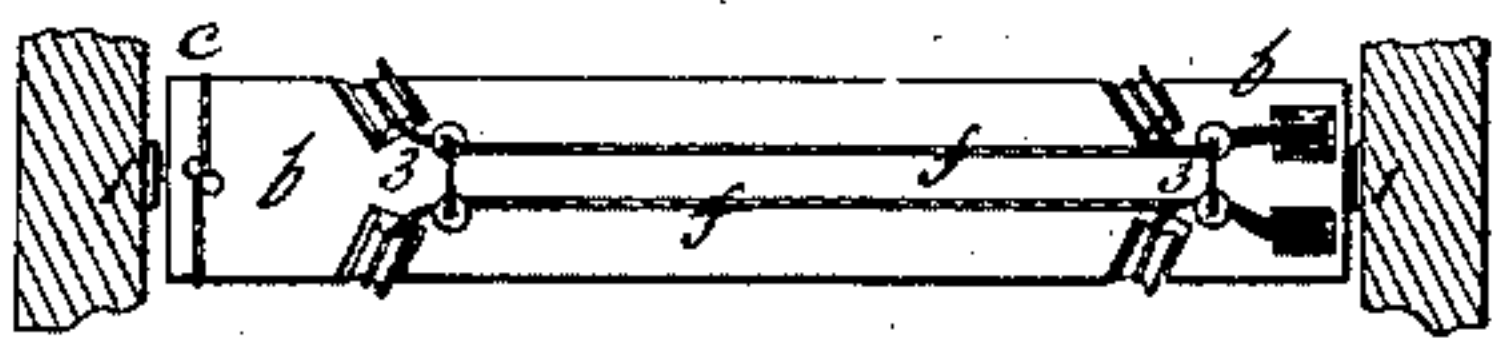


Fig. 3



Witnesses
Lemuel W. Terrell
Thos. Geo. Harold

Inventor
George H. Woodworth

UNITED STATES PATENT OFFICE.

GEORGE H. WOODWORTH, OF BROOKLYN, NEW YORK.

VENETIAN BLIND.

Specification of Letters Patent No. 24,900, dated July 26, 1859.

To all whom it may concern:

Be it known that I, GEORGE H. WOODWORTH, of Brooklyn, in the county of Kings and State of New York, have invented, 5 made, and applied to use a certain new and useful Improvement in Venetian Blinds; 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 drawing, 10 making part of this specification, wherein—

Figure 1, is an elevation of my improved blind as open, Fig. 2, is a similar view with the slats closed. Fig. 3, is a plan of the head 15 piece of the blinds, and Fig. 4, is a separate view of one slat.

Similar marks of reference denote the same parts.

My invention relates to the Venetian 20 blinds that are formed of a series of slats that are drawn up to the top of the window when not in use; and can be turned up flatwise when desired to shut out the light. In those blinds that have heretofore been 25 made, the slats have been sustained by tapes running on each side with cross tapes sustaining the slats and a cord passing through holes, whereby the slats can be drawn up when desired. In this blind the tapes are 30 quickly worn out, or the cross tapes come unsewed causing great inconvenience, and the blinds get out of repair very quickly.

The nature of my said invention consists in providing eyes or staples on the edges of 35 the slats that secure the tapes to said slats, and pass cords by which the blind is drawn up or lowered down, thus dispensing with the cross tapes heretofore usual, and making a far more durable and elegant blind that is 40 equally convenient in use, and more firm and reliable than the old style of Venetian blind.

In the drawing *a*, represents any usual

window casing, *b*, is the head piece set on center gudgeons 1, 1, so that it can be turned by the cord *c*, to incline the slats or place 45 them horizontally as now usual.

d, *d*, are tapes or their equivalents attached to the head piece *b*, and sustaining the slats *e*, *e*. I prefer that these tapes *d*, *d*, be formed with a thickness of morocco or 50 leather in addition to the tape. The slats *e*, *e*, are attached to these tapes or supports by eyes or staples 2, 2, passing through these tapes and into the slats.

f, *f*, are cords passing over the pulleys 55 3, 3, in the manner shown in Fig. 3, and through the aforesaid eyes 2, 2, and terminating at the lowest slat of the blind by a knot or other attachment to its eye. It will now be evident that while the head piece *b*, 60 and slats *e*, *e*, are free to be inclined or shut as seen in Fig. 2, in the usual manner, the cords *f*, *f*, serve to keep the tapes in place, and also to draw up the blind when desired, the eyes 2, 2, coming close to each other and 65 the tapes folding in between the blind slats. I thus obtain a neater and more durable device, and no obstruction is offered in dusting off the slats between the tapes as now usual with the holes, cords and cross tapes. 70

Having thus described my said invention what I claim and desire to secure by Letters Patent is

The eyes (2, 2,) or staples, passing the cords (*f*, *f*,) and attaching the tapes (*d*, *d*) 75 to the blind slats (*e*, *e*,) in the manner and for the purposes substantially as specified.

In witness whereof I have hereunto set my signature this first day of July 1859.

GEORGE H. WOODWORTH.

Witnesses:

LEMUEL W. SERRELL,
THOS. GEO. HAROLD.