

Horner & Van Doren,

Curtain Fixture.

N^o 54,908.

Patented May 22, 1866.

Fig: 1.

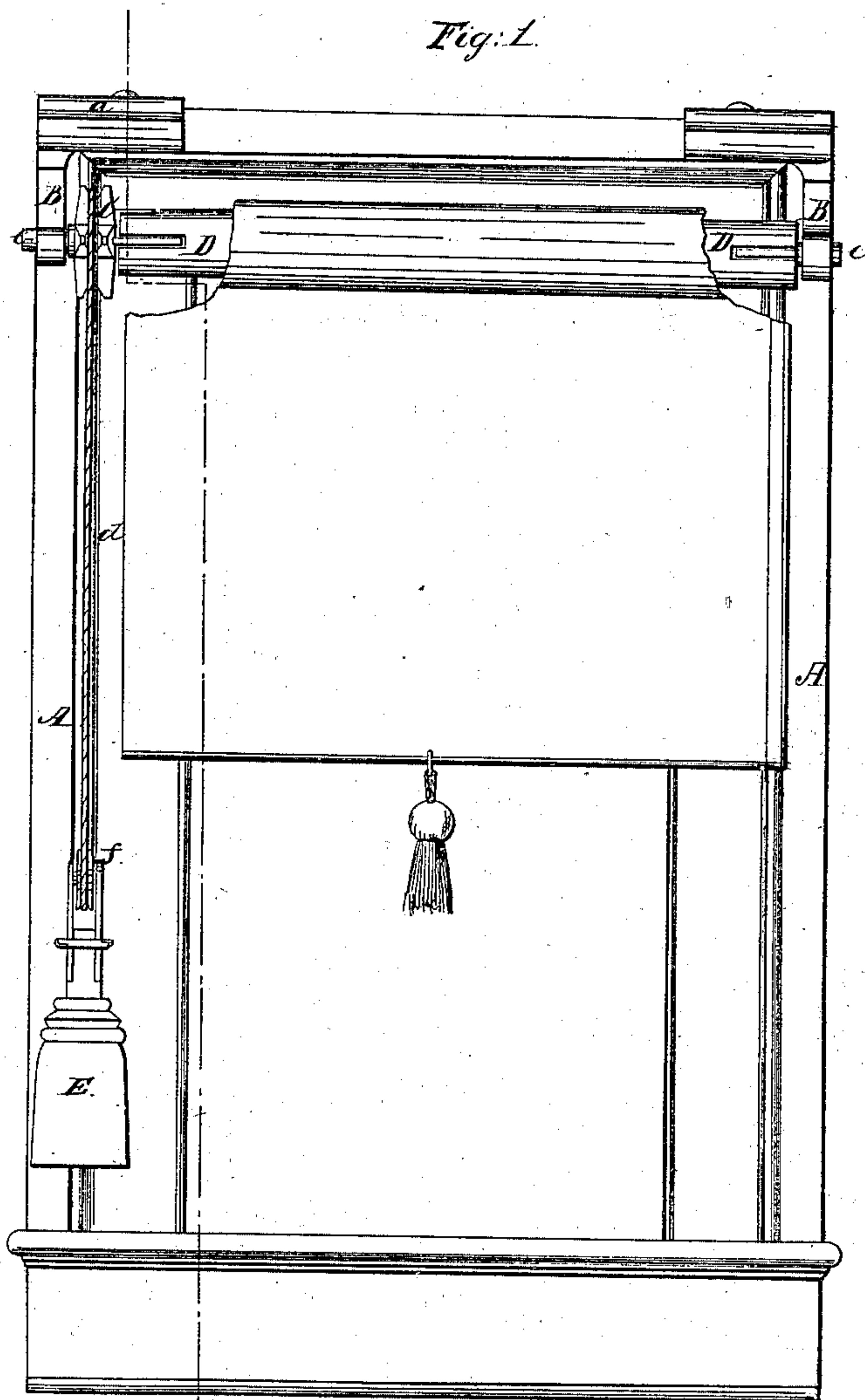
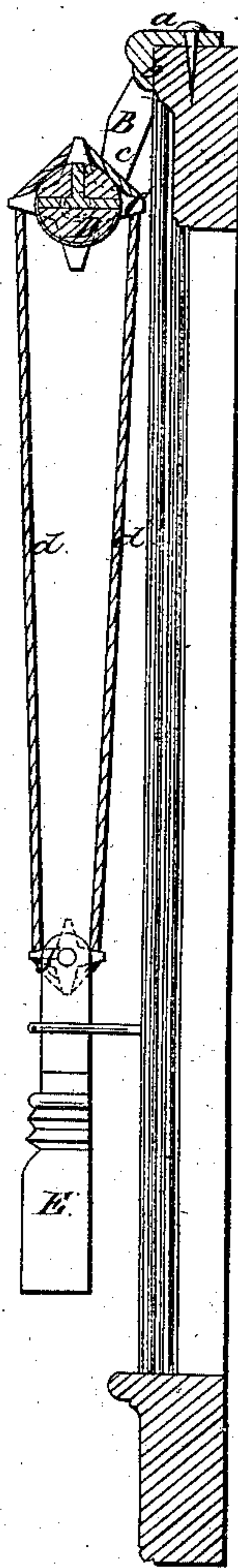


Fig: 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH HORNER AND SILAS VAN DOREN, OF NEW BRUNSWICK, N. J.

IMPROVED WINDOW-SHADE FIXTURE.

Specification forming part of Letters Patent No. 54,908, dated May 22, 1866.

To all whom it may concern:

Be it known that we, JOSEPH HORNER and SILAS VAN DOREN, of New Brunswick, in the county of Middlesex and State of New Jersey, have invented a new and useful Improvement in Window-Shade Fasteners; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front view of a window with our invention applied. Fig. 2 is a vertical section taken on the plane of the line *xx*, Fig. 2.

Similar letters of reference indicate like parts.

Our invention consists, first, in the employment, for the purpose of supporting the curtain-roller, of brackets so constructed that they may be set upon and secured to the top edge of the window-frame, thereby avoiding all injury to the frame of the window; second, in a peculiar manner of attaching the roller to its journals, as will be hereinafter described.

A designates the frame of a window to which my improvements are to be applied.

B B are two brackets, which serve as the bearings for the journals at respective ends of the rollers. The shape of these brackets is shown in Fig. 2, where it will be seen that the flange *a* of the bracket rests upon the top of the frame and is secured thereto by nails or screws, and that the shoulder *b* rests against the front of the frame, while the arm *c* extends down sufficiently far to bring the roller in the proper place at the top of the window-sashes. It will be noticed that this bracket is so constructed and adapted to the window-frame that it cannot be loosened from its place by any ordinary jar or strain upon it, and that by its use all injury to the face of the window-frame is avoided.

C is the wheel over which the cord *d* passes for operating the roller *D*. Extending from one side of the wheel is one of the journals *e* of the roller, and from the other side there extends a T-shaped plate, (see Fig. 2,) which, when the roller is applied, fits into a similar-

shaped slot cut into the end of the roller. The other journal, *e*, has also a T-shaped plate, which also fits into a similar-shaped slot cut into that end of the roller.

By means of this manner of attaching the roller to its journals the roller and its journals can be made separately from each other, and therefore more readily prepared for the market, and yet the attachment is so secure that under no ordinary circumstances can the roller be separated from the journals nor the journals from the brackets.

We will here remark that, although we have shown a T-shaped plate fitting into a T-shaped recess on the ends of the roller, it is not necessary that this particular style should be employed. Our invention is to form a double slot, so to speak, in the ends of the roller and have a plate or the like to fit into this slot, whereby the roller can be readily attached to its separate journals, said journals being so attached to the rollers that they cannot turn independently of the rollers.

E is a weight or weighted tassel, having a wheel, *f*, at its top, over which the cord *d* passes. This weight serves for tightening the cord, in order to hold the curtain or window-shade secure at any desired distance. By its use the cord is always kept at a proper tension, and at the same time great facility is afforded for drawing up the shade.

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

1. The brackets *B B* for supporting a roller, *D*, constructed with flanges which are applied to the top of the frame, substantially as shown and described.

2. Attaching the roller to its journals by forming in its ends a T-shaped groove, into which is inserted a T-shaped arm or plate extending from each journal, substantially as shown and described.

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Witnesses:

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