

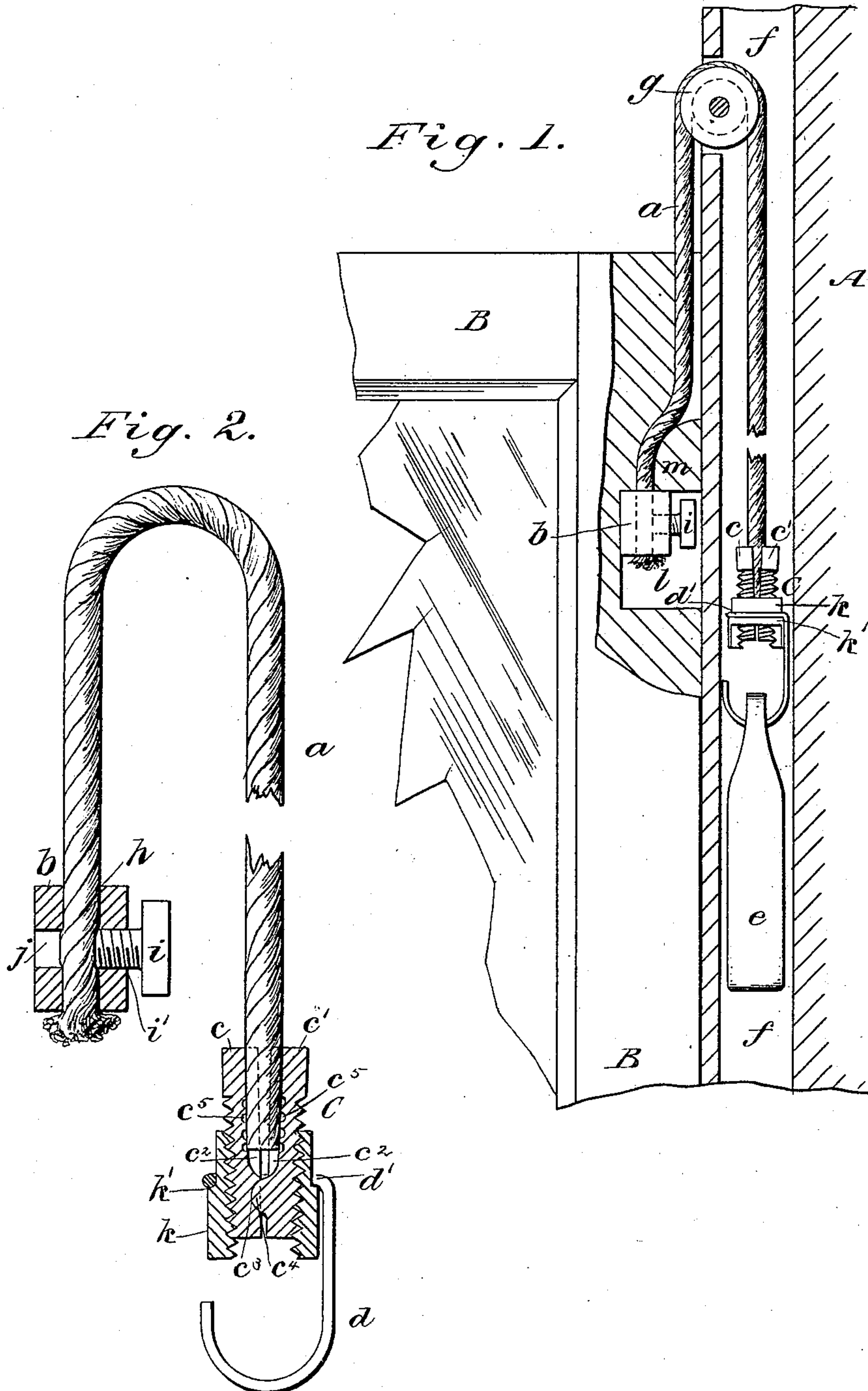
(Model.)

E. T. BRADBURY.

WEIGHT CORD AND ATTACHMENT FOR WINDOWS.

No. 326,392.

Patented Sept. 15, 1885.



WITNESSES:

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EDWARD THOMAS BRADBURY, OF MAHANOEY CITY, PENNSYLVANIA.

WEIGHT-CORD AND ATTACHMENT FOR WINDOWS.

SPECIFICATION forming part of Letters Patent No. 326,392, dated September 15, 1885.

Application filed May 20, 1885. (Model.)

To all whom it may concern:

Be it known that I, EDWARD T. BRADBURY, of Mahanoy City, in the county of Schuylkill and State of Pennsylvania, have invented 5 new and useful Improvements in Weight-Cords and Attachments for Windows, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying 10 drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a sectional elevation of a part of a window sash and frame, showing the ap- 15 plication of my invention; and Fig. 2 shows the cord and its attachments.

The invention will first be described in connection with the drawings, and then pointed out in the claims.

20 The cord *a* has the metal block *b* attached to one end, and the screw-clamp *C* and hook *d* attached to the other. The hook *d* is for holding weight *e*, that moves up and down in the channel *f*, made in window-frame *A*, as the window *B* is raised and lowered. The 25 cord *a*, when applied for use, passes over pulley *g* in the ordinary way. The block *b* is for attaching cord *a* to the window *B*, and is a plain block of metal formed with passage 30 *h* to receive the end of the cord, and with the thumb-screw *i* for securing the cord; and for making the attachment of the block to the cord more secure I form an opening, *j*, in the block opposite the screw-threaded open- 35 ing *i*, that receives the screw *i*, so that when the screw is turned down upon the cord a portion of the cord will be pressed into the opening *j*, thus preventing any slipping of the cord.

40 The clamp *C* is made with two parts or sections, *c c'*, and a nut or sleeve, *k*. The sections *c c'* are screw-threaded upon their outer surfaces, and correspondingly recessed at their adjacent surfaces, as shown at *c²*, to form a 45 circular cavity for the end of the cord *a*. Upon the parts or sections of the clamp *C* is screwed the internally screw-threaded nut or sleeve *k*, which serves to press the parts *c c'* together to cause them to grasp the cord *a*. 50 The nut or sleeve *k* is shouldered at *k'*, to hold the hook *d*, which is formed with ring *d'* to encircle the clamp *C* and rest upon the shoulder *k'*, as shown clearly in the drawings. The parts *c c'* are knuckled together—that is,

the part *c* is recessed at *c³*, and the part *c'* is 55 formed with an enlargement, *c⁴*, to fit in recess *c³* to form a rocking center or fulcrum on which the parts *c c'* open and close. With this construction, when the nut or sleeve *k* is 60 screwed below the enlargement and recess *c³* *c⁴*, the upper ends of the parts *c c'* may be opened to insert or remove the end of the cord *a* without entirely removing the nut or sleeve. The end of the cord being inserted, 65 it is only necessary to screw the nut upward upon the sections *c c'*, which will close them upon the cord and cause them to grasp it as in a vise.

To prevent all danger of the cord slipping between the sections *c c'*, I form them with 70 the ribs or teeth *c⁵* in the cavities *c²*, which teeth will be embedded in the rope when the sections are pressed upon it, as will be understood from Fig. 2.

The block *b* is of a size to be inclosed by 75 the cavity *l*, made in the edge of the sash *B* below the shoulder *m*, so that it will not interfere with the up-and-down movement of the sash. With this block, in case the cord *a* requires to be shortened, the stop-bead has 80 simply to be removed from the window-frame, the window swung out at the top, the thumb-screw *i* loosened, and the cord drawn through the block and the screw tightened upon it again, all of which can be quickly 85 and easily done.

The clamp *C* may be very easily and quickly applied to the cord, and as easily removed, if desired, and it will in no manner bind in the passage *f* in the window-frame and pre- 90 vent the raising or lowering of the window.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The screw-threaded sections *c c'*, in combination with the screw-threaded sleeve *k* and hook *d*, the sections *c c'* being formed with shoulder *k'* and the hook with ring *d'*, substantially as described. 95

2. The externally screw-threaded sections 100 *c c'*, recessed, as shown at *c²*, and formed, respectively, with the recess *c³* and enlargement *c⁴*, in combination with the screw-threaded nut or sleeve *k*, substantially as and for the purposes set forth.

Witnesses: EDWARD THOMAS BRADBURY.

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