

(No Model.)

W. F. BOWERS.
GUIDE SUPPORT FOR HOSE REELS.

No. 501,489.

Patented July 18, 1893.

Fig. 1.

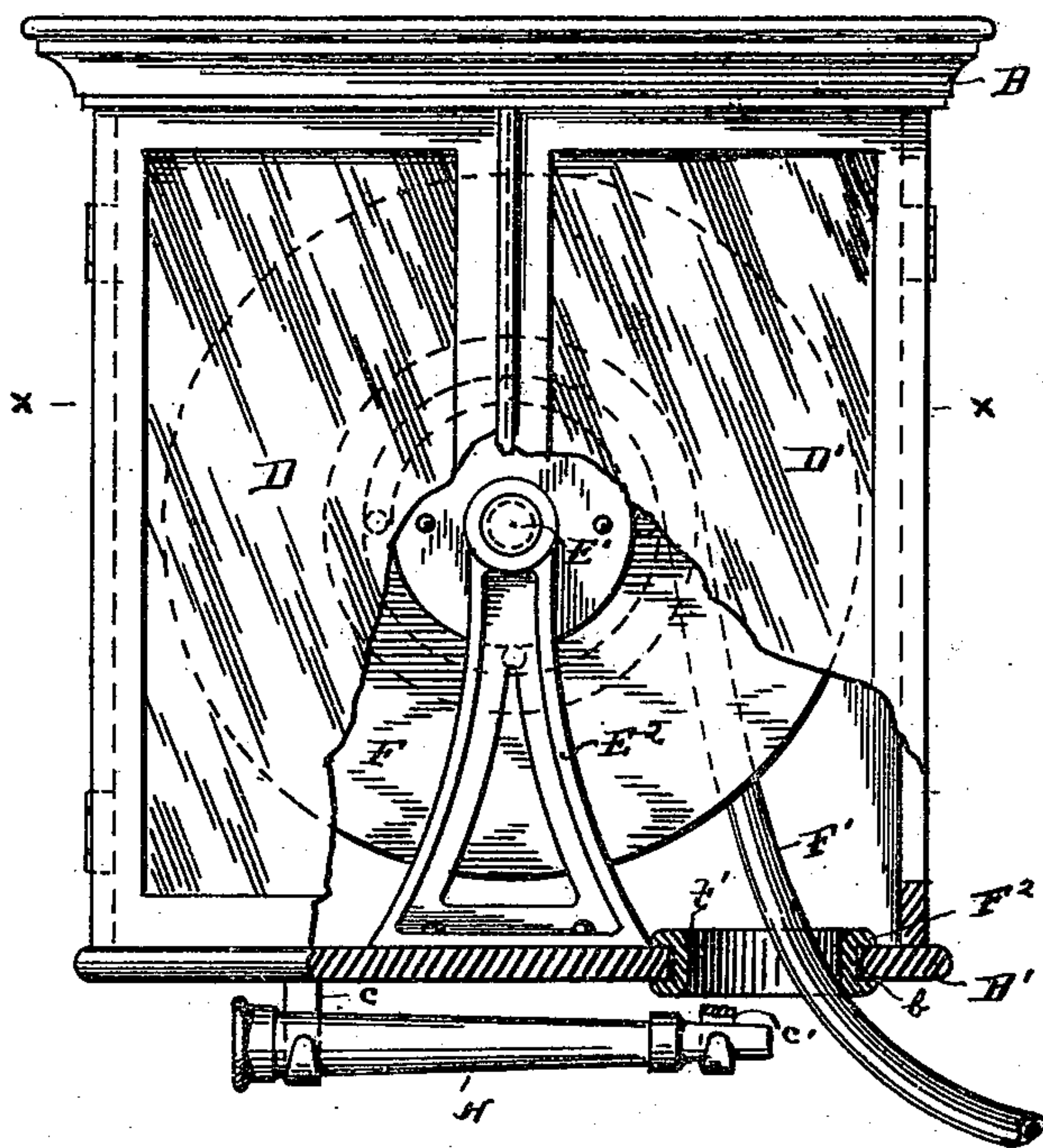


Fig. 2.

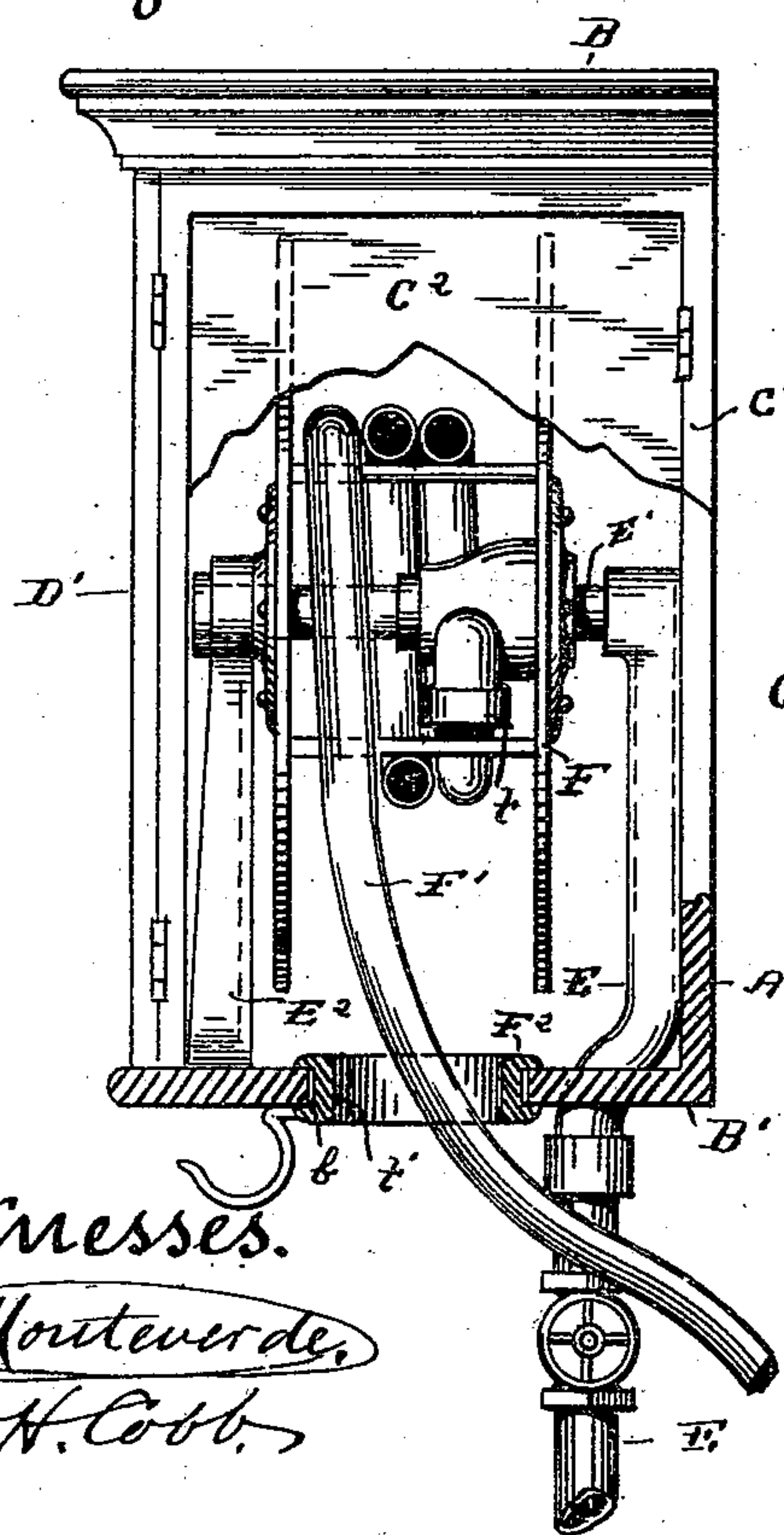
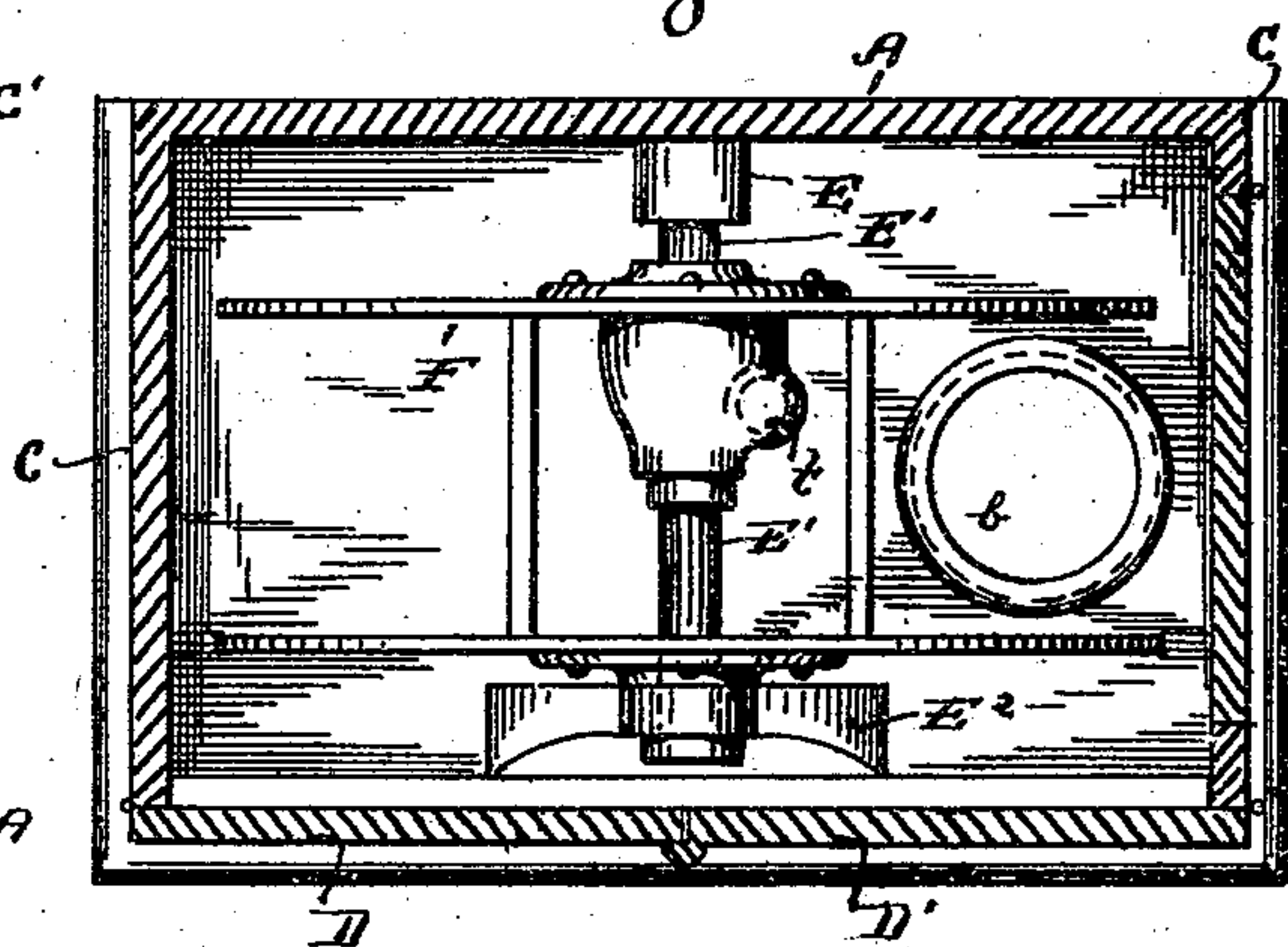


Fig. 3.



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UNITED STATES PATENT OFFICE.

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GUIDE-SUPPORT FOR HOSE-REELS.

SPECIFICATION forming part of Letters Patent No. 501,489, dated July 18, 1893.

Application filed August 22, 1892. Serial No. 443,794. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. BOWERS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Guide-Supports for Hose-Reels; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

This invention has relation to an improved guide support for hose reels, which consists in the arrangement of parts and details of construction as will be hereinafter more fully set forth in the drawings, described and pointed out in the specification.

Heretofore, in order to permit the unwinding of hose from the reel, so as to be run off at any desired angle thereto, it has been customary to secure the hose reel to the wall by means of a swinging bracket, which, besides disfiguring the wall, has a tendency when swung suddenly around to cause damage thereto by coming into contact therewith, and said manner of attaching the reel to the wall is objected to by reason of the space required in order to permit of the reel swinging, which, when not in use, extends a considerable distance into the room and this obstructs the passage-way, and further from the fact that when thus secured, three distinct turns must be made before the water reaches center of reel, thereby decreasing the water pressure to a great extent.

The object of my invention is to provide a guide support which may be rigidly secured to the wall and hose reel so secured thereupon as will permit the unwinding of the hose therefrom so as to be drawn at any angle to the guide support without causing the hose, when so run, to buckle, which buckling does occur when drawn or run at an angle to a stationary reel, as ordinarily attached to the wall.

In order to enhance the appearance of my improved support, I, by preference, construct same in the form of a cabinet, thus permitting the hose reel to be inclosed, which prevents undue handling thereof. In the drawings the support is shown as having an inclosing cabinet for the reel, but it is obvious that same may be dispensed with.

Referring to the drawings forming a part of this application, wherein similar letters of reference are used to denote corresponding parts throughout the entire specification and several views—Figure 1 is a front elevation of support or cabinet, partly broken away; Fig. 2 an end elevation of Fig. 1, partly broken away; and Fig. 3 a top plan cross sectional view, taken on line $x-x$, Fig. 1.

When constructed in cabinet form, the letter A, is used to indicate back thereof, which is attached to wall in any ordinary manner, and B', the support proper, to which I secure cabinet back A, and ends C, C', as shown. This support may, in this case, be said to constitute bottom of cabinet frame, and to said frame is fastened top B, which may be constructed ornamental or plain. The ends C, C', of said cabinet may be constructed solid or open. I have shown end C, solid or closed and end C', open and closed by means of door C². Open front is also closed by doors D, D', but this may be constructed of a solid piece. However, when cabinet front is made solid, that is, of one piece, it should be removably secured in order that hose reel may be inserted therein and withdrawn as desired. Within the cabinet extends water supply pipe E, which passes through support B', or bottom of cabinet, as shown. To upper end of said pipe is secured, in the ordinary manner, inner end of shaft E', the opposite end of which is held within standard or bracket E², which is attached to said support. On this shaft, hose reel F, is movably mounted. Said reel and connection with supply pipe being of usual construction, call for no specific description, same forming no part of my invention. After hose reel has been fastened within cabinet, the hose F', is secured thereto, by coupling f , and wound thereon through end C', door C², of cabinet being opened for this purpose, which door is closed after hose has been wound upon said reel. Within support B', is formed or cut a circular guide opening b , and through this guide opening, free end of hose F', extends, and said hose as unwound from the reel passes therethrough. This opening is cut of greater diameter than that of the hose, and consequently allows considerable play to be given the latter. In order that the hose may not be cut when run therethrough, the edges of said

opening I round off, thus giving a smooth bearing surface for the hose. By preference I secure within the hose guide outlet opening a metallic bushing F^2 , which prevents undue wear to face of said opening. The inner face f' , of said bushing is made rounded, which prevents cutting of the hose. It will thus be observed that the hose when run from the reel through guide opening may be drawn at any angle thereto without danger of same buckling. If so desired the bushing F^2 , may be loosely secured within opening, so that as the hose is turned the bushing will rotate therewith and in this manner obviate all possible friction. When hose is wound upon the reel, the free end thereof will project through guide outlet opening, as shown. Beneath the support are secured brackets c, c' , within which is located and held hose nozzle H. If at any time it is desired to remove hose reel from cabinet, it is only necessary that front thereof be opened or removed, as before stated. However, if so desired, the inclosing cabinet may be dispensed with without departing from the spirit of my invention, which consists in providing a hose reel support having a guide opening formed therein, which will permit the hose to be unwound from the reel and drawn

at any angle thereto without buckling. When constructed without cabinet, back A, will answer as securing wall for the support and may be cast in one piece therewith. 30

Having thus described my invention, what I claim as new, and desire to secure protection in by Letters Patent of the United States, is— 35

In a hose guide support, the combination with the inclosed cabinet secured thereto, of the hollow shaft located within the cabinet, of the rotatable reel secured upon the hollow shaft, of the movable front for permitting insertion or withdrawal of the hose reel, one end of the cabinet being movable so as to permit of being opened or closed, which when opened permits the hose passing therethrough as wound upon the reel, of the stand or supply pipe, projecting within the cabinet, and of the guide outlet opening formed within the support and through which the hose runs as unwound from the reel. 40 45

In testimony whereof I affix my signature in presence of two witnesses. 50

WILLIAM F. BOWERS.

Witnesses:

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JAMES F. HOUGH.