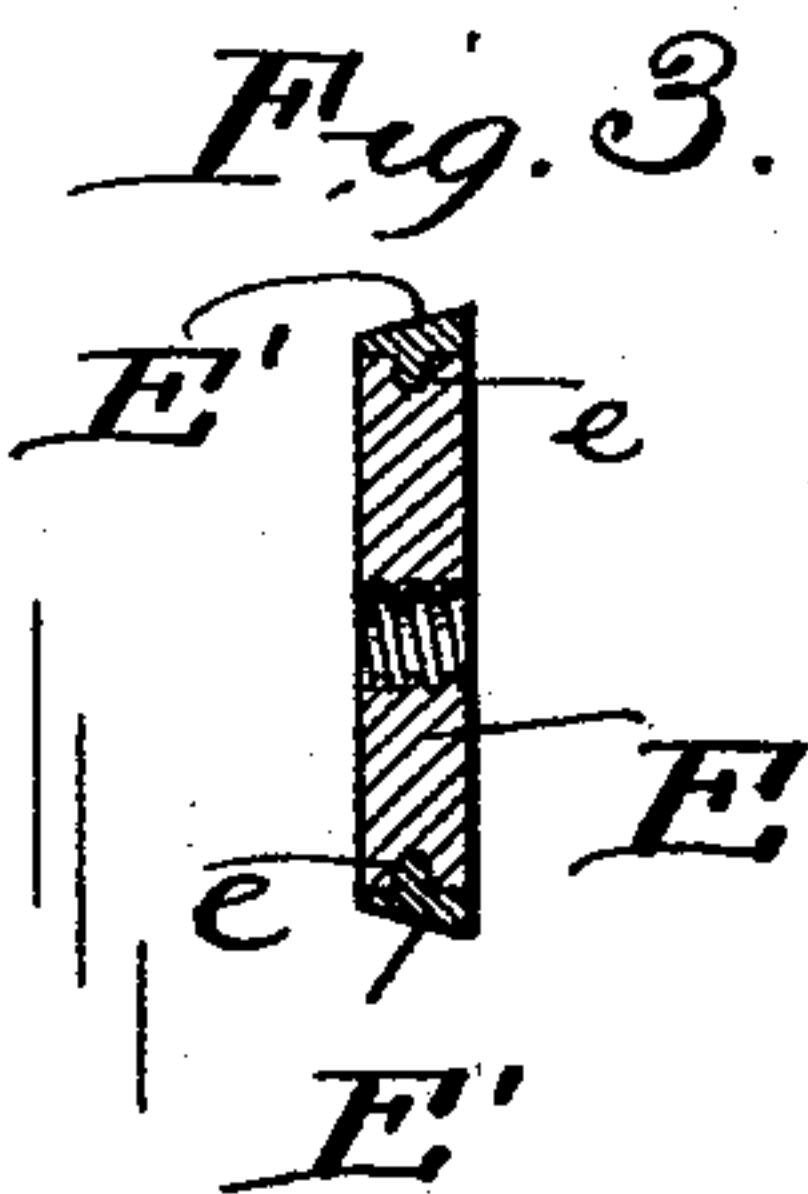
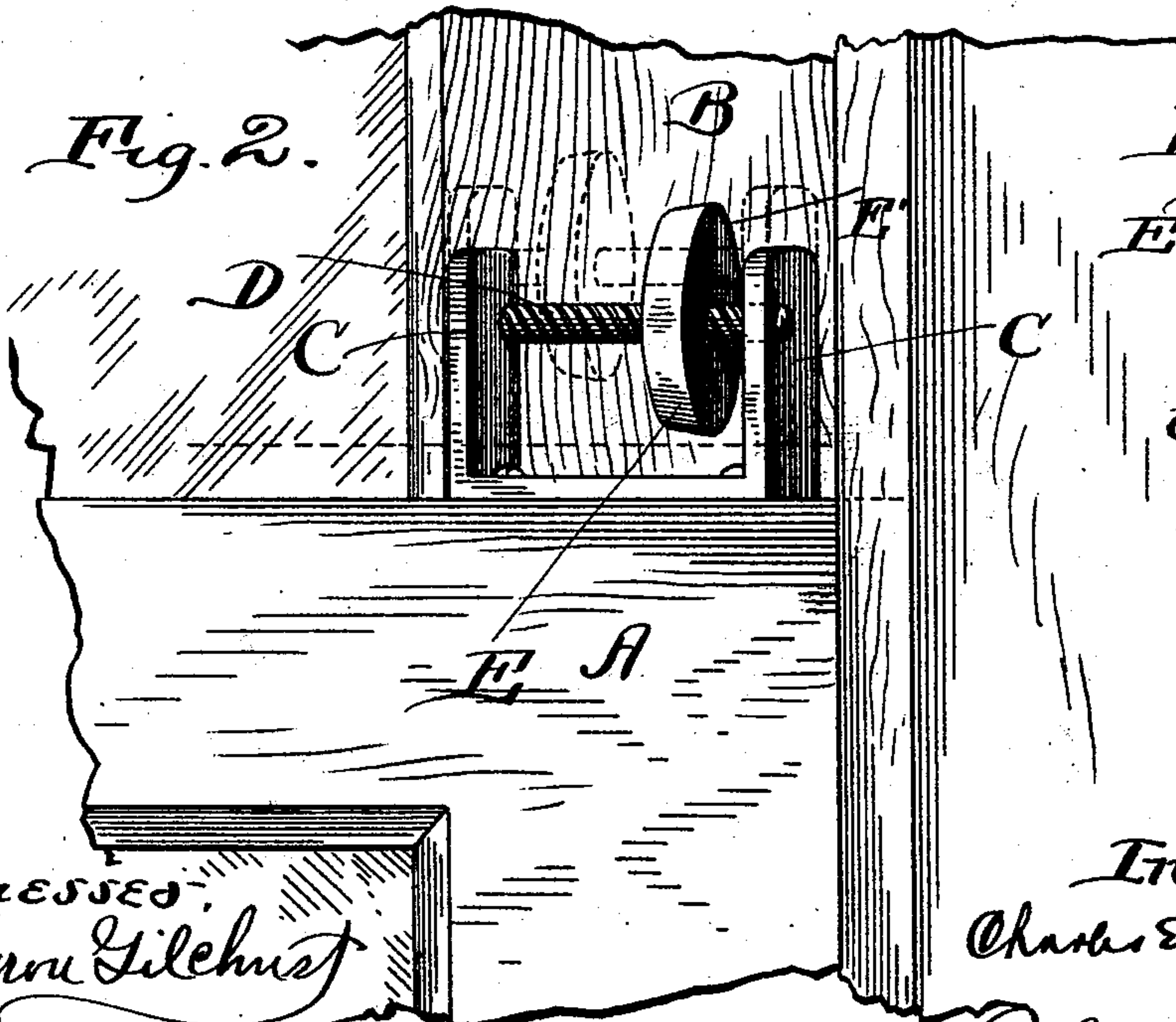
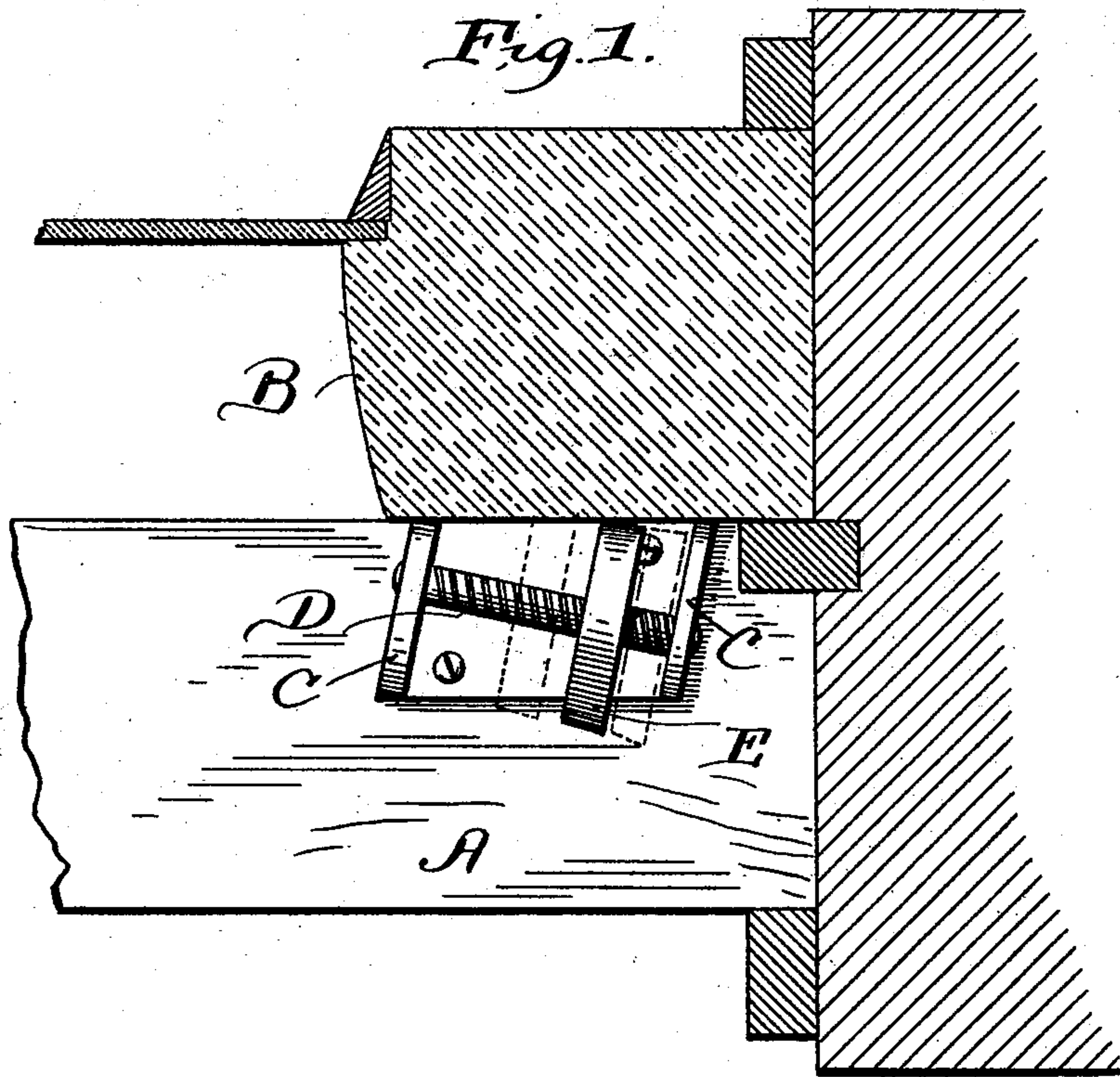


(No Model.)

C. E. HEIL.
SASH HOLDER.

No. 517,695.

Patented Apr. 3, 1894.



Witnessed:
E. Byron Gilchrist
[Signature]

Inventor:
Charles E. Heil
[Signature]
By Seggett & Seggett
Attorneys.

UNITED STATES PATENT OFFICE.

CHARLES E. HEIL, OF CLEVELAND, OHIO.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 517,695, dated April 3, 1894.

Application filed September 19, 1893. Serial No. 485,815. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. HEIL, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in a Combined Window Sash Holder and Anti-Rattler; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to a combined window sash-holder and anti-rattler; and it consists in certain features of construction and in combinations of parts hereinafter described and pointed out in the claim.

In the accompanying drawings, Figure 1 is a top plan showing my improved sash-holder and anti-rattler in position on the lower sash of a window, the upper sash and adjacent portion of the window-casing being in section. Fig. 2 is a side elevation of the same. Fig. 3 is a vertical section of the wheel.

Referring to the drawings, A represents a part of the top portion of the lower sash of a window and B one of the stiles of the upper sash.

C C designate two standards or upright members located a suitable interval apart and secured on top of the lower sash adjacent one of the stiles of the upper sash, said members being preferably integral with each other.

D represents a stationary screw that is suitably supported by members C C. Screw D is arranged in a horizontal or approximately horizontal plane but obliquely to the inner side of the adjacent stile B of the upper sash, the supporting standards or members C C being, of course, arranged at right angles to the screw, and a wheel or disk E is rotatably mounted upon screw D, said wheel or disk having internal threads corresponding with the threads of the screw, and having its pe-

riphery composed preferably of rubber or other suitable elastic material, as shown in Fig. 3 that exhibits said wheel or disk detached and wherein E represents the elastic peripheral portion that is suitably seated and secured in a circumferential recess, e, in the body portion of the disk or wheel.

By my invention hereinbefore described, it will be observed that, preparatory to opening either sash, disk or wheel E must be out of frictional contact with the adjacent stile of the upper sash, and the sash, having been opened approximately the distance desired, wheel or disk E is actuated into contact with the stile of the upper sash whereby an attempt to open the sash still farther, will turn the disk or wheel into such frictional engagement with the respective stile of the upper sash as to securely lock the two sashes together and prevent their being vibrated or rattled by the wind.

What I claim is—

The combination with the upper and lower sashes of a window, of a stationary-screw suitably supported upon the lower sash adjacent one of the stiles of the upper sash, said screw being arranged in a horizontal or approximately horizontal plane, and a wheel or disk mounted to turn upon said screw and having internal threads engaging threads on the screw, the arrangement of parts being such that said wheel or disk is capable of being actuated into and out of engagement with the aforesaid stile of the upper sash, substantially as set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 6th day of July, 1893.

CHARLES E. HEIL.

Witnesses:

C. H. DORER,
WARD HOOVER.