

(No Model.)

A. J. PEIRCE.
CLOTHES DRIER.

No. 407,678.

Patented July 23, 1889.

Fig. 1.

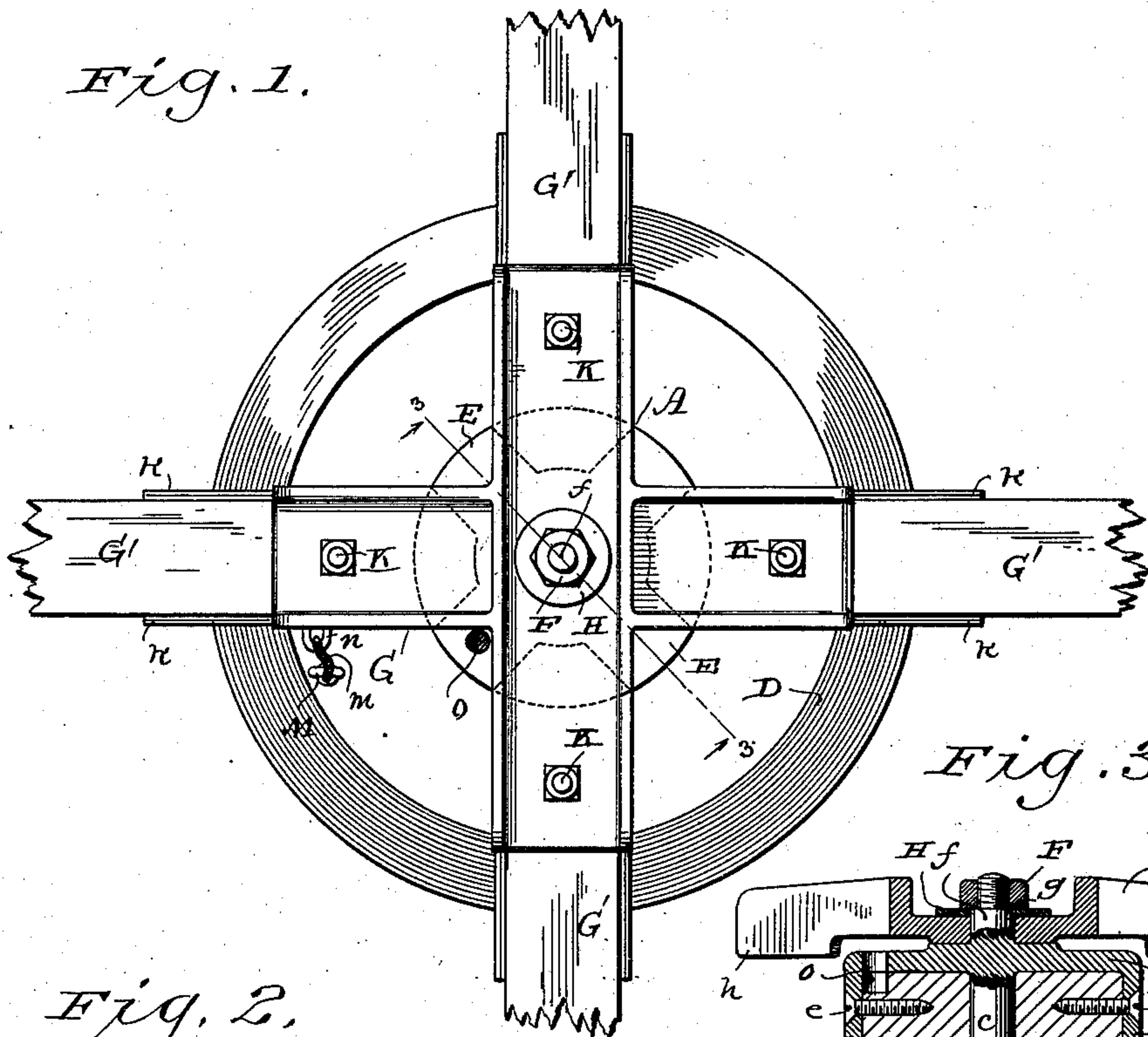


Fig. 2.

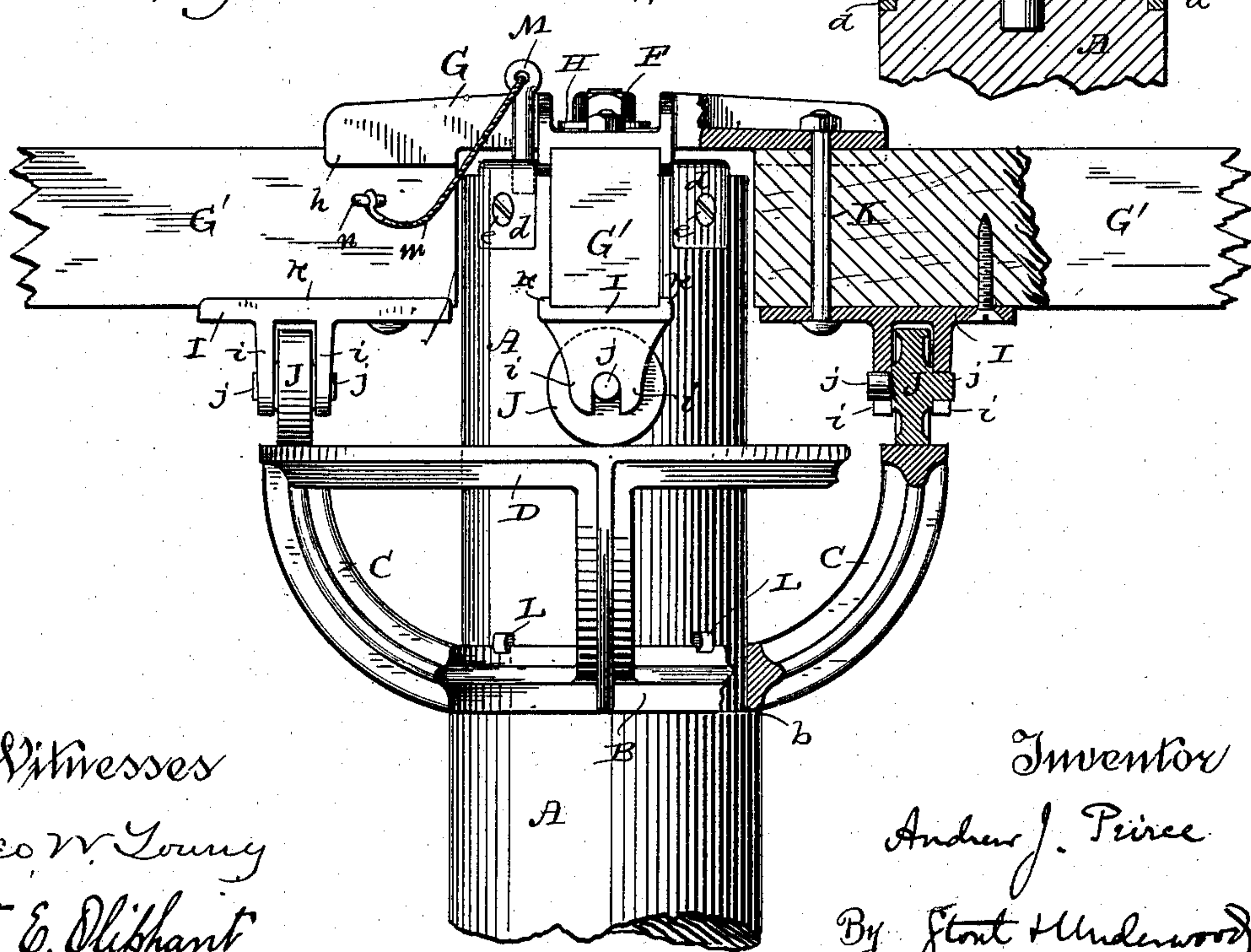
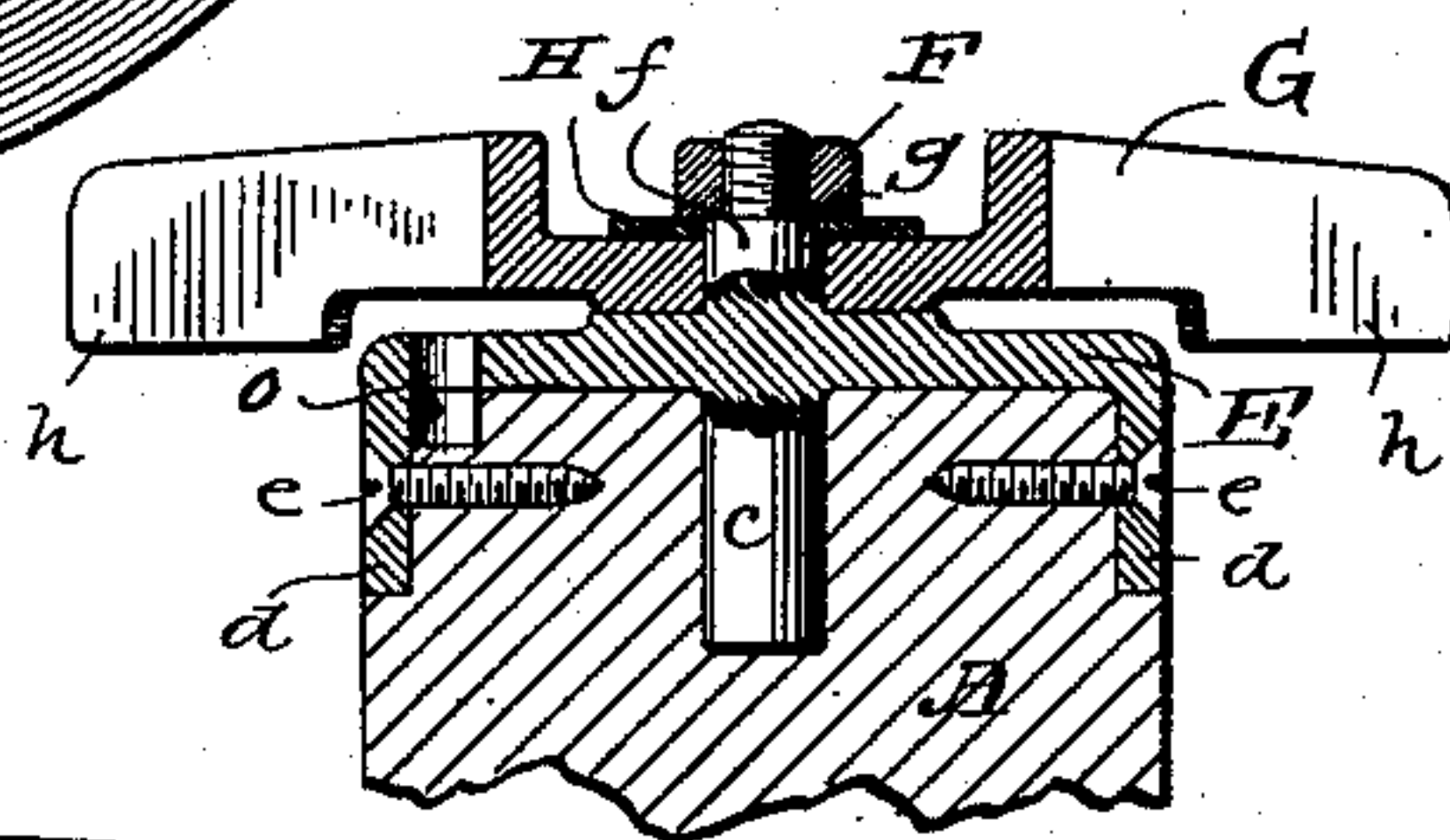


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

ANDREW J. PEIRCE, OF MADISON, WISCONSIN, ASSIGNOR OF ONE-HALF TO
NICHOLAS KONRAD, JR., OF SAME PLACE.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 407,678, dated July 23, 1889.

Application filed May 7, 1888. Serial No. 273,101. (No model.)

To all whom it may concern:

Be it known that I, ANDREW J. PEIRCE, of Madison, in the county of Dane and in the State of Wisconsin, have invented certain
5 new and useful Improvements in Clothes-Reels; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to clothes-reels; and
10 it consists in certain peculiarities of construction and combination of parts to be hereinafter described with reference to the accompanying drawings and subsequently claimed.

In the drawings, Figure 1 represents a plan
15 view of my invention; Fig. 2, a side elevation, partly broken away; and Fig. 3, a vertical transverse section on line 3 3, Fig. 1.

Referring by letter to the drawings, A represents a post that forms the main support
20 for my clothes-reel, the upper end of this post being reduced to form an annular shoulder *b*. (Shown in Fig. 2.) Slipped over the reduced upper end of the post A is a ring B, designed to rest upon the annular shoulder *b* of said
25 post, and outwardly curved and upwardly projecting from the periphery of the ring are a series of arms C, that support a circular track D, said ring, arms, and track being preferably cast in one piece.

30 The upper end of the post A is provided with a central vertical socket that receives a stud *c*, depending from a cap-plate E, the latter having vertically-depending ears *d*, that are preferably fitted in recesses in the said post to come flush with the latter and held in place
35 by screws *e*. On the upper face of the plate E is a stud *f*, that is preferably reduced at its upper end and screw-threaded to engage a nut F, the downward movement of the latter being limited by the annular shoulder *g*, that is left by the reduction of said stud.

The cap-plate E and its stud *f* form the bearing for a reel-head G, and between this head and the nut F, I interpose a washer H,
45 whereby the several parts are kept in their relative position without danger of rattling, pounding, or binding.

The radial arms of the reel-head G are provided with vertical side flanges *h*, that fit
50 over beams G', that form extensions of said arms. Arranged on the under sides of the beams G' are plates I, provided with vertical ears *i*, arranged in pairs to form bearings for the journals *j* of wheels J, that are designed

to run on the circular track D, above de- 55
scribed, and passed through these plates, beams, and the radial arms of the reel-head are bolts K, this construction being best illustrated in Fig. 2. The plates I are also preferably provided with vertical side flanges *k*, 60
that embrace the beams G', and the ears *i* on said plates are preferably forked to form the bearings for the journals *j* of the wheels J, thus allowing for a certain amount of loose
65 play.

In order to prevent any working up of the ring B, I drive hooks L into the post A, close up against said ring, as shown in Fig. 2.

To one of the beams G', I attach a pin M by means of a chain or cord *m* and staple *n*, 70
said pin being designed for insertion in a recess *o*, cut in the post A, and cap-plate E, whereby the reel may be prevented from turning with the wind when not in use.

By having the wheels J arranged to run on 75
the circular track D at some distance away from the post A and below the beams G', I decrease the leverage of said beams and at the same time take the strain and weight from off said post, thus preventing any bind- 80
ing of the reel-head G on its bearing, the latter being a common fault in the ordinary clothes-reels.

The clothes-reel above described is very simple, easily constructed, and light running, 85
while at the same time there are no parts liable to break or get out of order.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is— 90

In a clothes-reel, the combination of a supporting-post, a reel-head having its bearing on the post, beams arranged beneath the arms of the reel-head, plates secured to the under side of the beams and bolted to the latter and 95
said arms of the reel-head, forked ears depending from the plates, wheels journaled in the ears, and a circular track for the wheels, substantially as set forth.

In testimony that I claim the foregoing I 100
have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

ANDREW J. PEIRCE.

Witnesses:

N. E. OLIPHANT,
WILLIAM KLUG.