

No. 765,719.

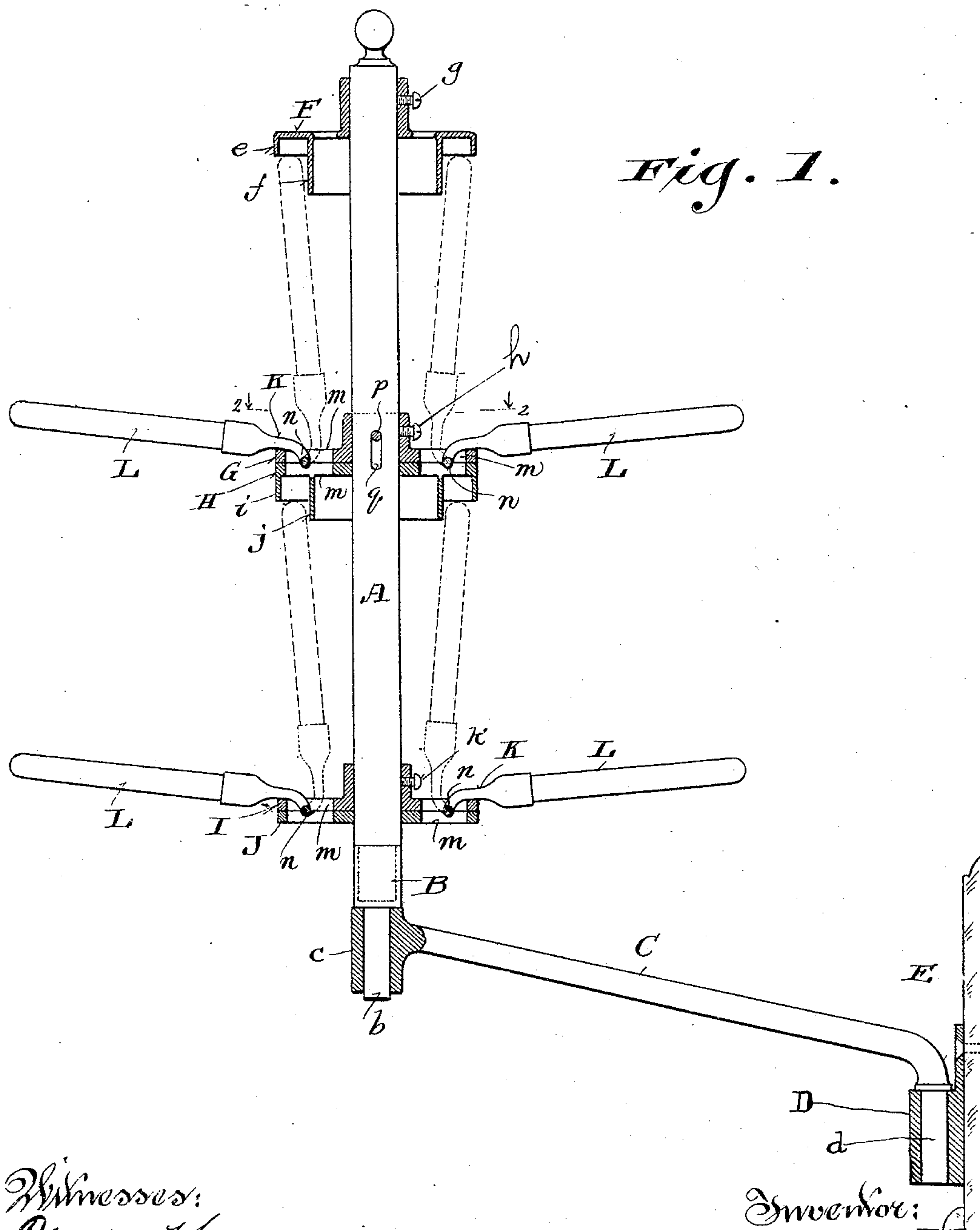
PATENTED JULY 26, 1904.

B. C. STEFFENS.
CLOTHES DRIER.


APPLICATION FILED FEB. 16, 1904.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses:
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W. E. Oliphant

Inventor: 

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2 SHEETS—SHEET 2.

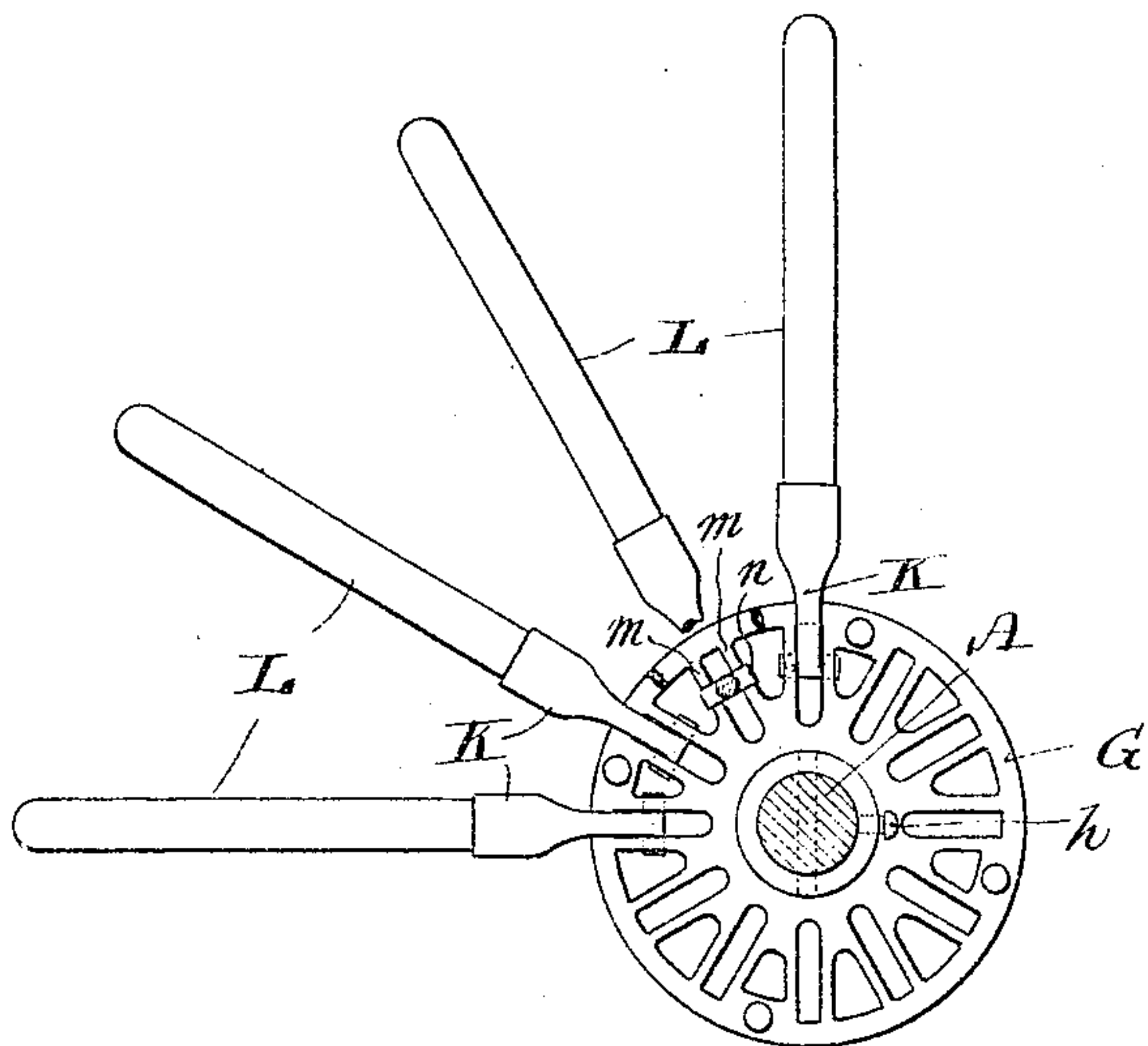


Fig. 2.

Fig. 3.

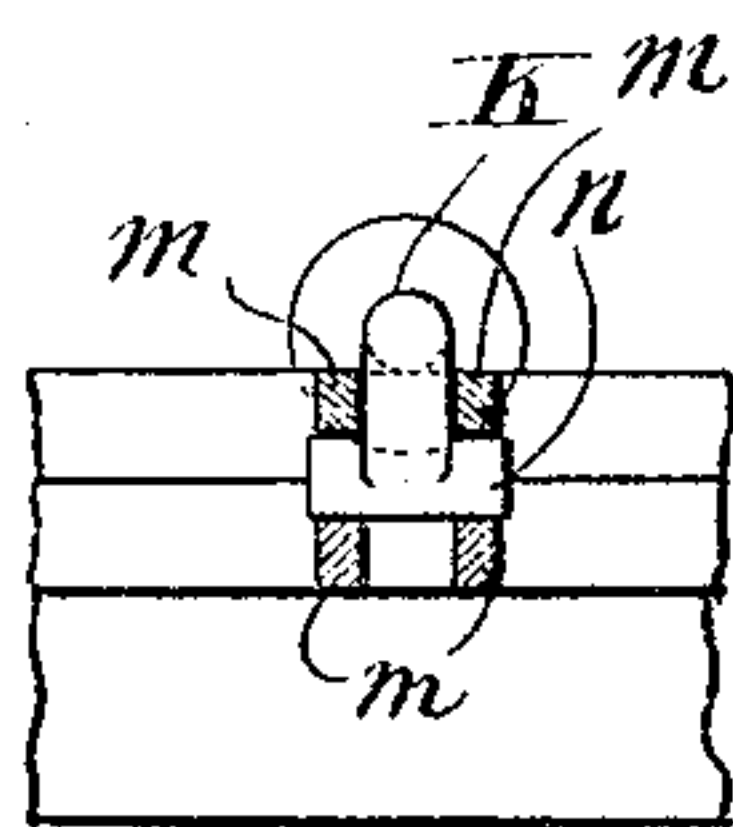
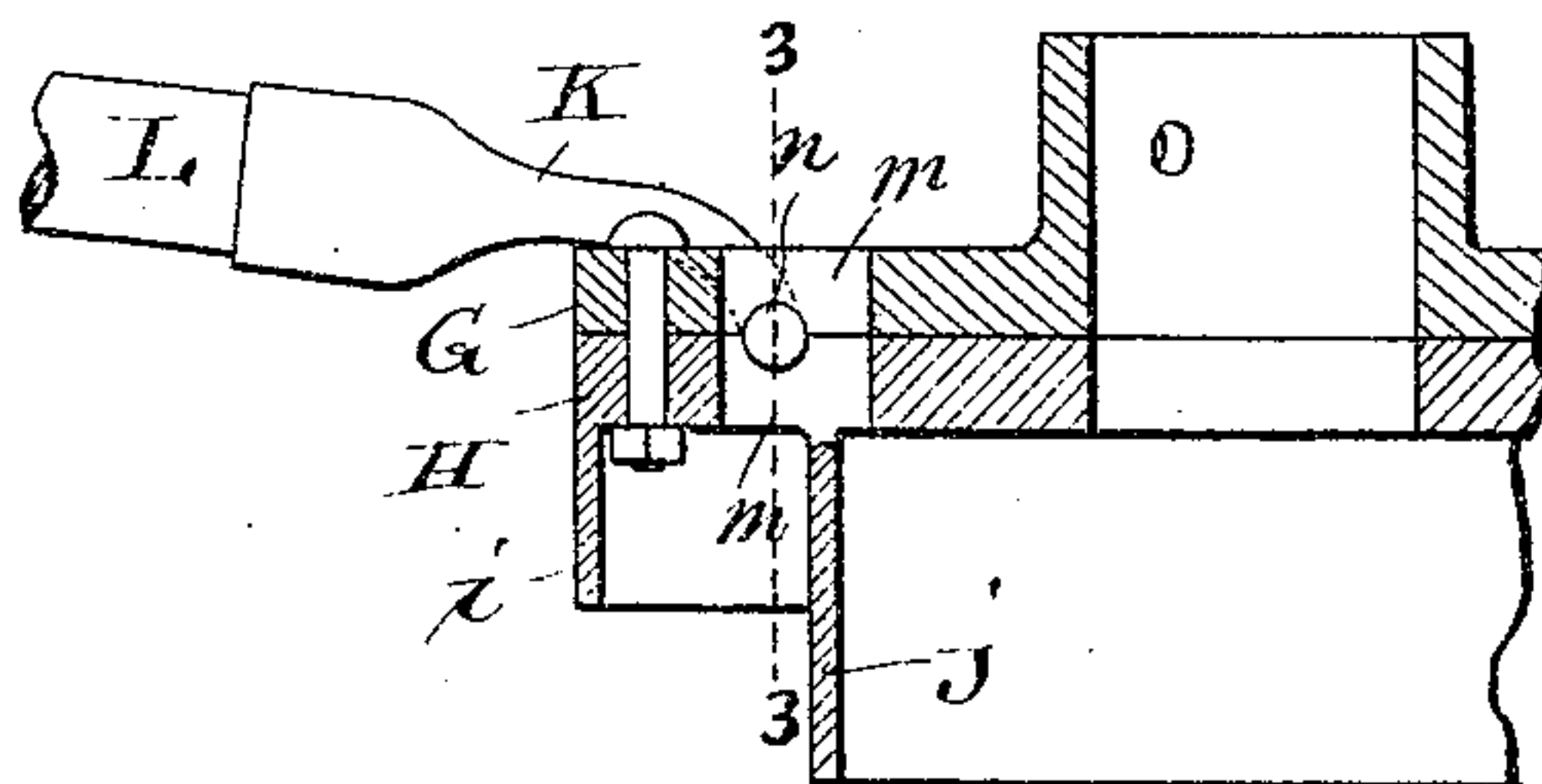


Fig. 4.



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UNITED STATES PATENT OFFICE.

BERTHOLD C. STEFFENS, OF LAGRANGE, WISCONSIN.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 765,719, dated July 26, 1904.

Application filed February 15, 1904. Serial No. 193,537. (No model.)

To all whom it may concern:

Be it known that I, BERTHOLD C. STEFFENS, a citizen of the United States, and a resident of Lagrange, in the county of Walworth and State of Wisconsin, have invented certain new and useful Improvements in Clothes-Driers; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to provide simple economical folding clothes-driers preferably organized for rotary adjustable connection with swing-supports, and said invention consisting in certain peculiarities of construction and combination of parts hereinafter particularly set forth with reference to the accompanying drawings, and subsequently claimed.

Figure 1 of the drawings represents a partly-sectional elevation of a clothes-drier in accordance with my invention, having rotary adjustable support in a swing-arm set in a bracket attached to a base-board of a room; Fig. 2, a horizontal section of the drier, having a part thereof broken away, this view being indicated by line 2 2 in the first figure; Fig. 3, a detail sectional view indicated by line 3 3 in the fourth figure, and Fig. 4 a vertical transverse sectional view of a fragment of said drier.

Referring by letter to the drawings, A indicates a staff, B a ferrule on the lower end of the staff, and *b* a round stem depending from the ferrule central of same. This stem is set in the outer socket end *c* of an arm C, and the vertically-offset round inner end *d* of the arm is set in a bracket D, attached to a base-board E, said arm being shouldered to rest on the bracket, from which it extends at what is preferably an obtuse angle.

Adjustable on the staff A, longitudinally of the same, is an upper plate F, having depending annular flanges *e f*, one of which is longer than the other, and a set-screw *g* in an upper hub extension of the plate impinges against said staff to hold said plate in adjusted position. A pair of disks G H, held together by bolts and nuts or other suitable means, are also adjustable on the staff longitudinally of the same, the upper one of these disks being provided with a hub extension carrying a set-screw *h*, that impinges against said staff to

hold said disks in adjusted position. The disk H is provided with depending annular flanges *i j*, similar to those of the plate F aforesaid. Another pair of disks I J are connected in practice by means similar to those connecting the disks G H and are made fast on the lower portion of the staff by a screw *k*, run through a hub extension of one of the disks, I. The disks in each pair are radially apertured at intervals thereof, and the webs *m* between apertures are notched to form box-bearings for cross-heads *n* of metal shanks K, in which wooden rods L are fitted to be utilized as hangers for clothes, there being support of the shanks on the rim of the upper disk when the rods are in working position.

The paired disks are separated to permit placing of the shanks K in working position, and being thereafter fastened together one against the other said shanks are capable of being swung up or down with the rods L, but are not otherwise movable. To place a rod, the cross-head of its shank is passed through a radial opening in the upper one of a pair of separated disks and said rod given a quarter-turn to center said cross-head in web-notches of the lower one of said disks. All the rods being positioned, the disks are brought together and fastened.

The disks G H are held against rotary slip on the staff A by a pin *p* engaging the hub extension of the upper disk and a play-slot *q* in said staff longitudinally of the same, it being intended that the rods in connection with one pair of disks shall break joints with those in connection with the other pair of said disks.

The rods being swung up out of the way, as shown by dotted lines in Fig. 1, they are caught between the flanges of the plate F and disk H, provided said plate and disk are lowered from the positions in which they now appear. The drier being folded up, it is swung, with the arm C, against the adjacent wall out of the way.

The staff may be of sufficient length to permit the use of more than one pair of coupled disks G H and rods in connection therewith, or the coupled disks I J and rods therewith may be omitted.

Having thus described my invention, what

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

1. A clothes-drier comprising a suitably-supported staff, a pair of radially-apertured disks made fast to each other and the staff, the opposing webs of these disks between the apertures therein being notched to form box-bearings; shanks engaging the apertures in the upper disk of the pair and provided with cross-heads in the bearings aforesaid, and rods fitted in the shanks, said shanks being at rest on the rim of said upper disk when the rods are swung down.

2. A clothes-drier comprising a suitably-supported staff, a pair of disks made fast to each other and the staff, rods having pivotal connection with the disks to rest upon the rim of the upper one of same when in working position, and a flanged plate adjustable on said staff to catch the rods when the same are swung up.

3. A clothes-drier comprising a suitably-supported staff, radially-apertured disks in pairs made fast to each other and the staff, one pair of the disks being adjustable longitudinally of said staff and having the lower one thereof provided with depending flanges

of different lengths, a similarly-flanged plate longitudinally adjustable on the aforesaid staff, and rods having cross-head shanks engaging apertures in the upper disk of each pair and notches in webs between apertures in opposing disks.

4. A clothes-drier comprising a suitably-supported staff provided with a longitudinal play-slot, radially-apertured disks in pairs and connected to the staff one pair being vertically adjustable, a pin engaging said shaft-slot and a hub extension of a disk in the vertically-adjustable pair, the lower disk in the same pair being provided with depending flanges of different lengths, and rods having cross-head shanks engaging apertures in the upper disk of each pair and notches in webs between apertures in opposing disks.

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

BERTHOLD C. STEFFENS.

Witnesses:

GEORGE J. GEHRING,
FRED C. MOHAUPT.