

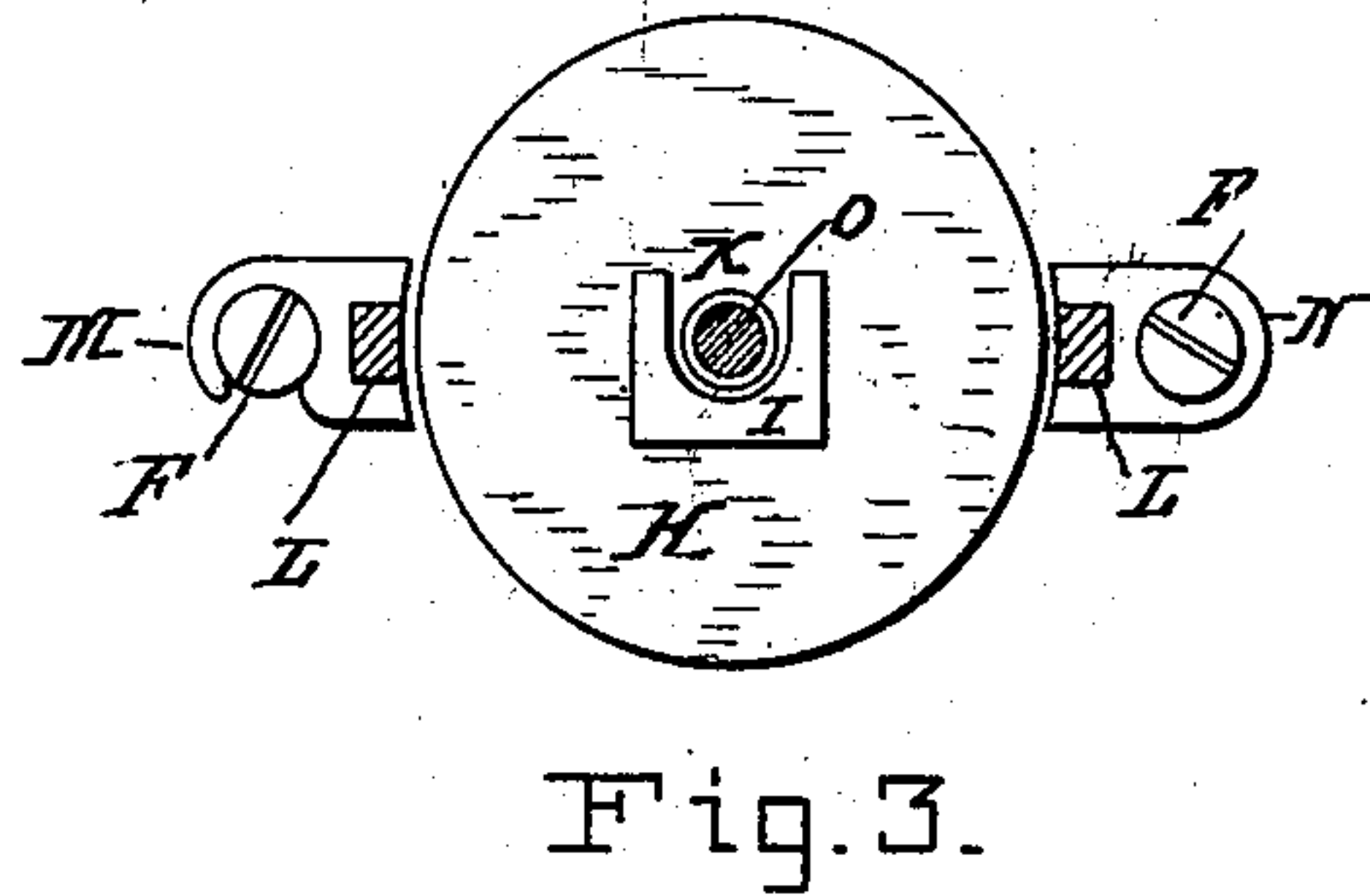
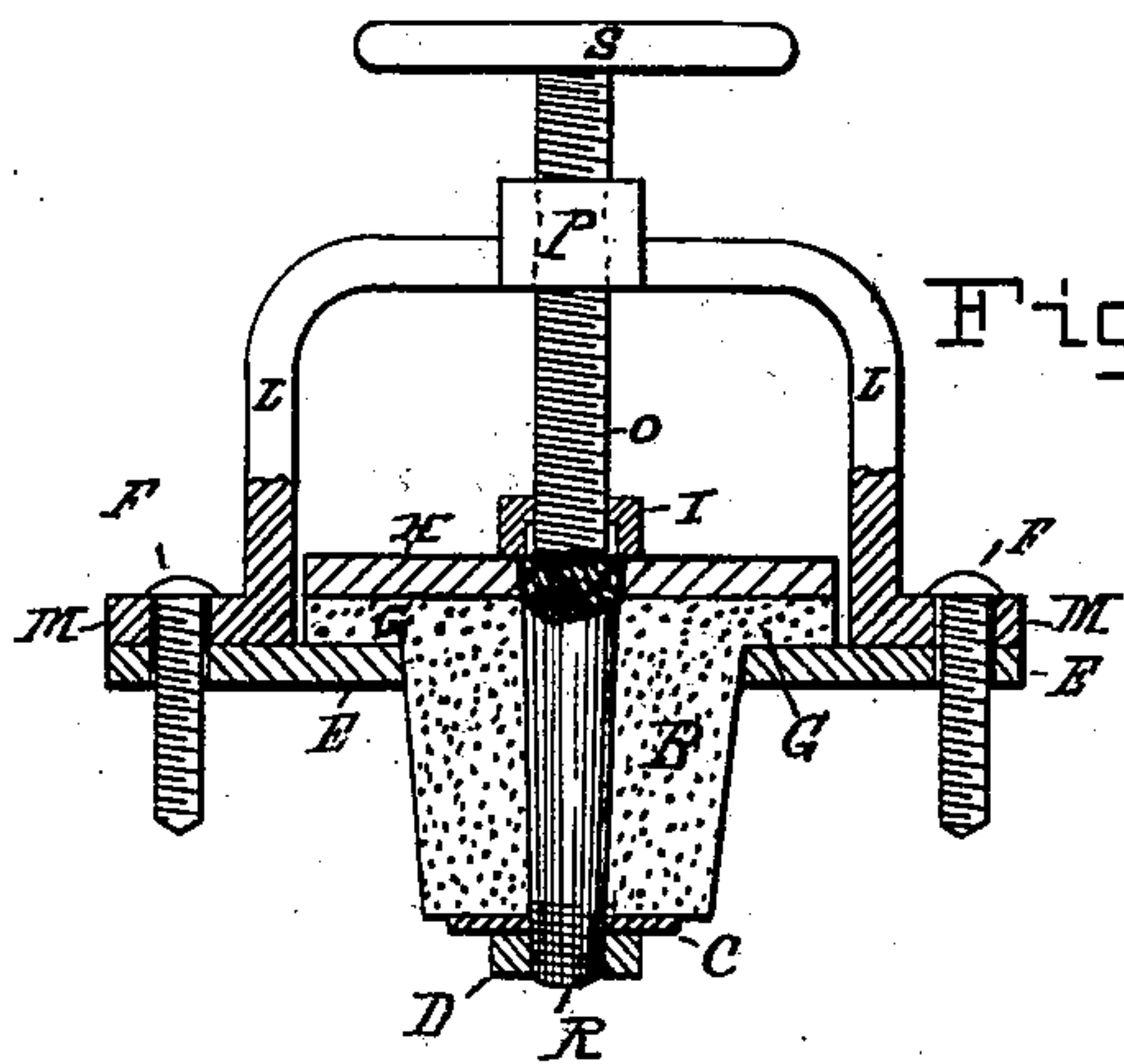
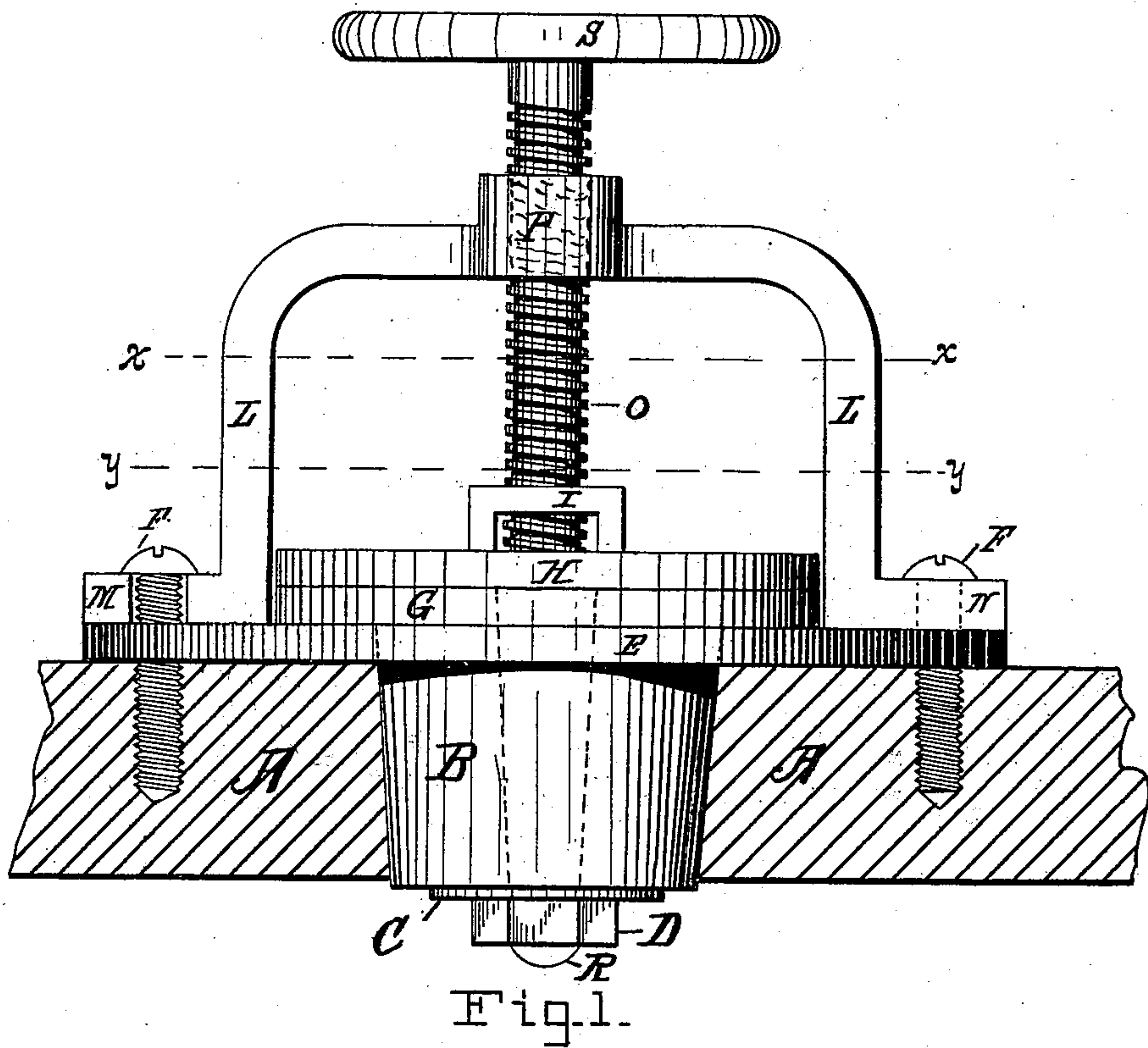
(No Model.)

H. ROEMHILDT.

BARREL BUNG.

No. 337,084.

Patented Mar. 2, 1886.



WITNESSES: J. Mason Goszler.

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UNITED STATES PATENT OFFICE.

HENRY ROEMHILDT, OF BALTIMORE, MARYLAND.

BARREL-BUNG.

SPECIFICATION forming part of Letters Patent No. 337,084, dated March 2, 1886.

Application filed June 1, 1885. Serial No. 167,180. (No model.)

To all whom it may concern:

Be it known that I, HENRY ROEMHILDT, of Baltimore city, State of Maryland, have invented certain new and useful Improvements in Barrel-Bungs, of which the following is a specification, reference being had to the accompanying drawings, forming part hereof, in which—

Figure 1 is a vertical elevation, showing the barrel-stave in section. Fig. 2 is a vertical elevation showing a central section through the diameter in which the dotted line *y y* passes; and Fig. 3 is a top plan view below line *x x*, Fig. 1.

Like letters of reference indicate similar parts in both figures.

My invention relates to bungs for large stationary casks or mother-hogsheads, and is an improvement on my Patent No. 318,659, dated the 26th day of May, 1885.

It consists in the peculiar construction, arrangement, and combination of the several parts, as will be fully hereinafter set forth.

Referring to the drawings by letter, A is the hogshead-stave, through which the india-rubber bung B passes.

C is a washer, and D an octangular or square shaped nut screwed onto the lower end of a threaded bolt, R.

E is a metal cap fitting neatly on the outside of the stave A, and held in position rigidly by means of screws F screwing through the said cap E and into the stave A a sufficient distance to firmly hold the said cap in its place. This metal cap E is circular in form and of exact size of plate H, (see Fig. 3,) and is a solid plate resting on the outside of the stave A, having a smooth-bore round hole through its center sufficiently large to admit of the passage into it by tight pressure of the india-rubber bung B until its flanged top G overlaps and rests on the upper side of the cap E. The elasticity of the body of the bung B produces a perfectly air-tight joint.

G is the top flange of the inside rubber bung, B, made in one piece with the bung, and neatly fitting between the feet M and N and upon cap E. This top G is, like cap E, made solid, circular in form, and of exact size as plate H, (see Fig. 2,) having a hole centrally

located therein to admit of the passage of the snugly-fitting vertical rod R, which rod R is screw-threaded at its lower end to admit of the placing thereon first of the washer C, and afterward the screwing on thereto of the nut D.

H is a solid metal plate, circular in form, and neatly fitting in between the vertical portions of frame L and resting down upon top G, having in its center a vertically-arranged skeleton block, I, rigidly attached thereto, in which is cut a slot, *k*, for reasons hereinafter explained.

L is a metal skeleton frame, similar to that of a letter-book press, fitting over the entire structure, hereinbefore described, setting on the outer part of cap E, being held in position by means of screws F, which act as a pivot, with the exception that the foot M on the left-hand side has a slot cut therein, fitting neatly around the screw F, while on the right-hand side, as seen in Fig. 1, the foot N has the ordinary smooth-bore hole punched through it to admit of the free passage of the screw F.

O is a vertical screw passing through the head or top piece, P, (within which is cut a screw-thread,) and extending down through slot K in the block I and upon the top plate, H.

R is a vertical rod passing snugly up through a hole in the india-rubber bung B, which is solid and circular in form, and made to fit tight into the bung-hole of the barrel, as well as the centrally-located hole in the cap E, and rigidly attached to the top flange, G, thereof in any well-known manner, preferably by being wedge-shaped and forced down through the centrally-located hole in the top G into its normal position, as shown in Fig. 2. The plate H (see Fig. 2) is cast entirely solid, and, being circular in form, the top of bung B—viz., G—is also made circular in form, and to correspond with the plate H, under which it is located, (see Fig. 1,) having a centrally-located hole therein, through which vertical rod R passes, being attached rigidly thereto. The cap E, like plate H, is all circular in form, and of solid construction, except as hereinbefore described, by having centrally located therein a hole for the passage of the bung B, with its accompanying vertical rod R.

S is an arm rigidly affixed to upper end of screw O, by which it is operated.

The operation of my device is explained as follows: When it is desired to remove the bung
5 B, the operator unscrews the screw O by simply turning the arm S a few turns. This relieves the pressure of the screw upon the top plate, H. He then pushes with his thumb the foot M backward, which simultaneously re-
10 moves the screw O from within the slot K, which is always set in the opposite direction from the slot in the foot M on the left-hand side, as seen in Fig. 1, of the device when in its normal position. This operation entirely
15 relieves the bung, when the operator has only to catch the head-piece G within the grasp of his hand and easily remove the bung for any

purpose. It is only necessary to say that a reverse operation of the above will hermetically seal the hoghead.

Having thus described my invention, what I claim is—

The combination of bung E, having flange G, plate H, carrying slotted block I, and threaded rod R, washer C, and nut D, with plate E, 25 frame L, having feet M N, vertical screw O, passing through top piece, P. of the frame L and arm S, all arranged substantially in the manner as and for the purposes described.

HENRY ROEMHILDT.

Witnesses:

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