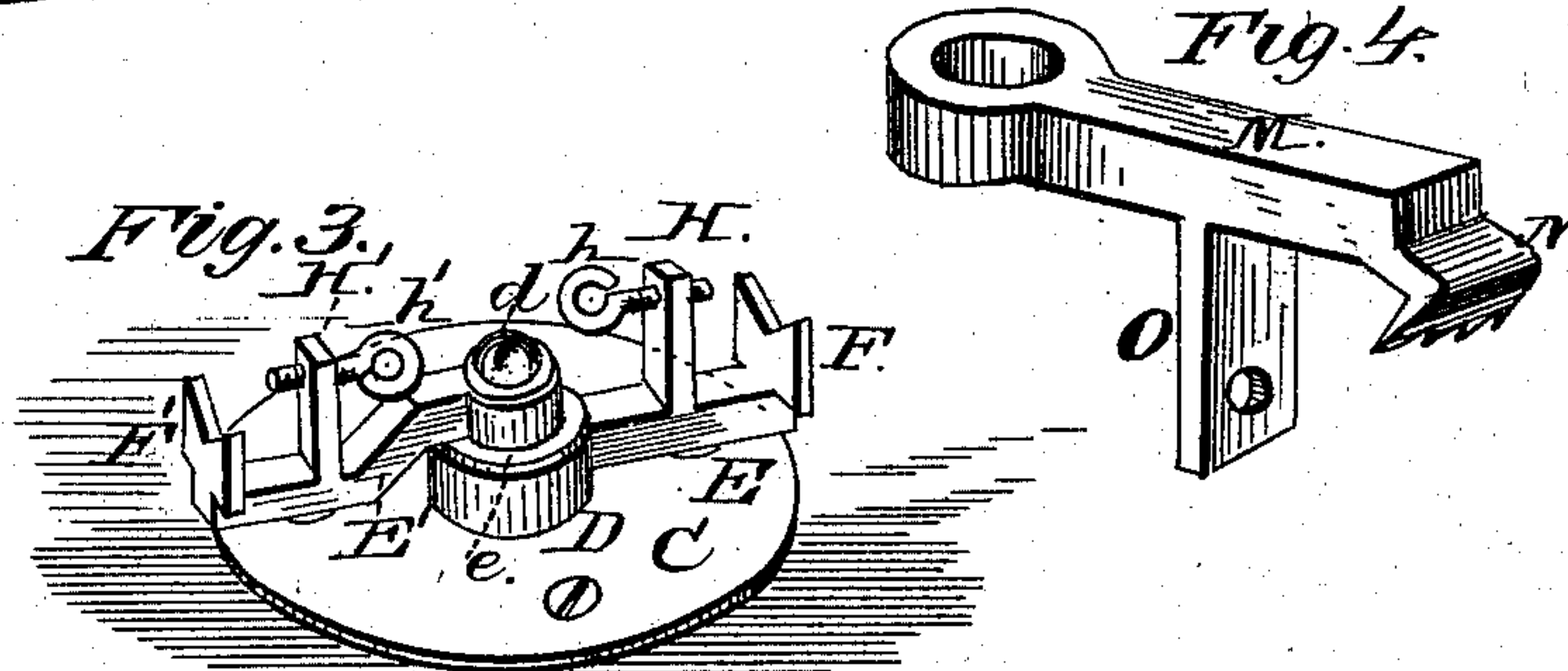
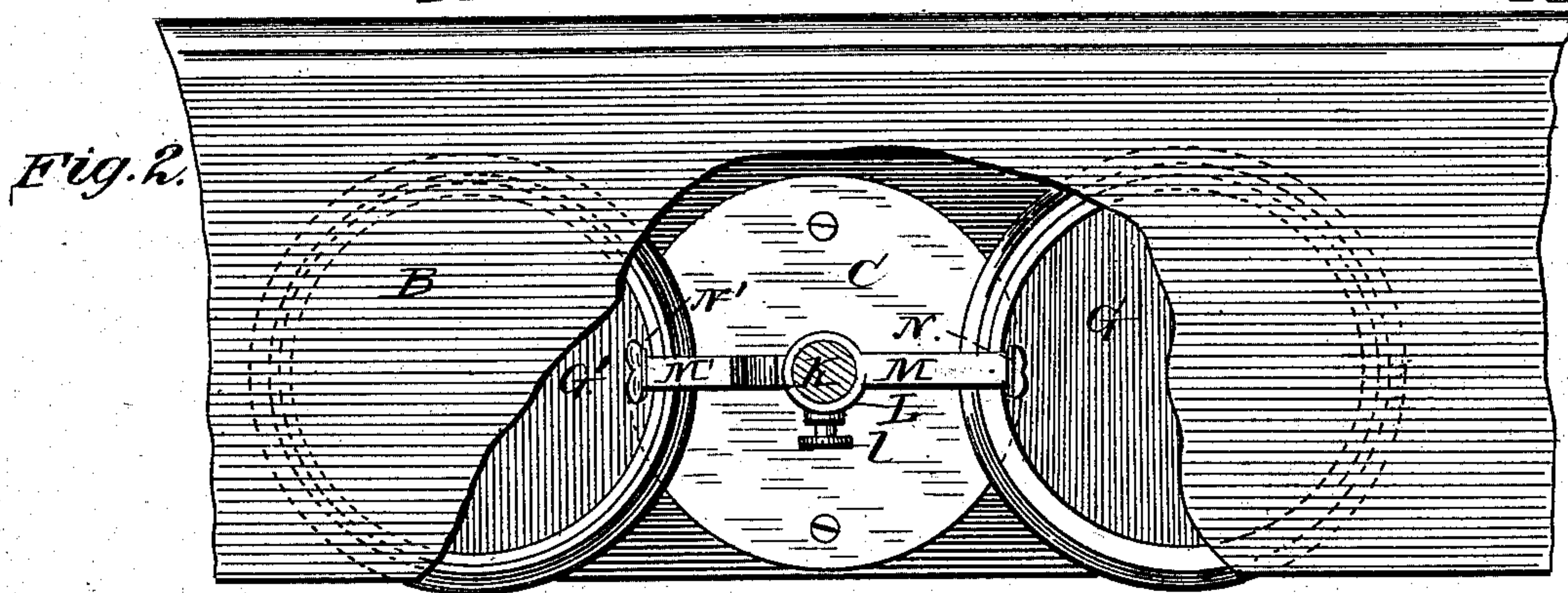
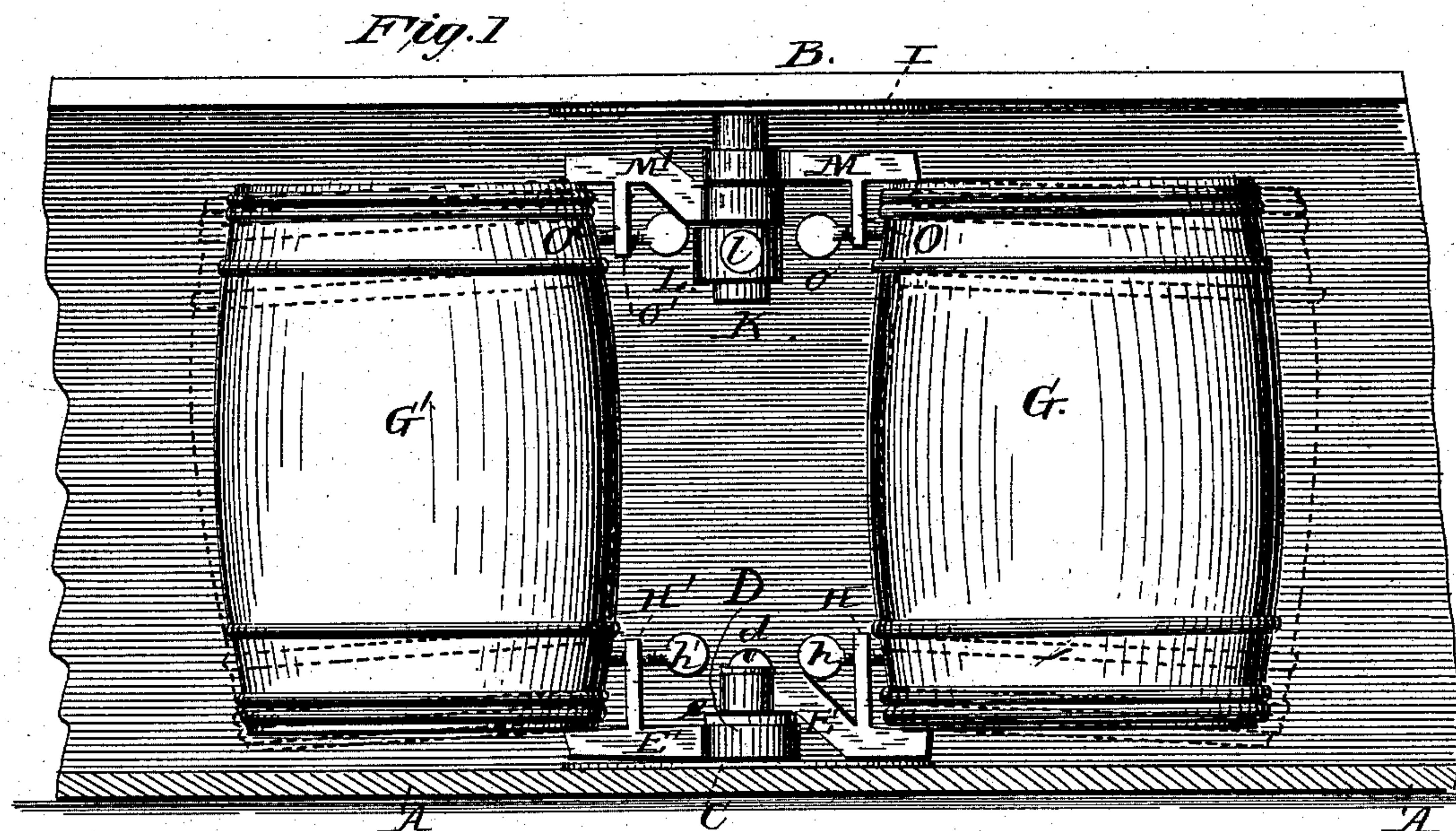


W. H. HOLLENBECK.
Barrel-Pivot Clutch.

No. 221,819.

Patented Nov. 18. 1879.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. HOLLENBECK, OF OTTAWA, ILLINOIS.

IMPROVEMENT IN BARREL PIVOT-CLUTCHES.

Specification forming part of Letters Patent No. **221,819**, dated November 18, 1879; application filed August 11, 1879.

To all whom it may concern:

Be it known that I, WILLIAM H. HOLLENBECK, of Ottawa, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Barrel Pivot-Clutches; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a front elevation. Fig. 2 is a plan view, the counter-top and plate I having been removed. Fig. 3 is a perspective view of the two lower pivoted clamps detached from the barrels and counter, and Fig. 4 is an enlarged detail view of one of the upper hooks or clutches detached.

Similar letters of reference indicate corresponding parts in all the figures.

This invention has relation to devices for handling barrels, boxes, or similar packages of or receptacles for merchandise in the store; and it consists in the construction and arrangement of parts of a clutch composed of two adjustable clamps, pivoted upon studs on a common axis, secured under the counter in such a manner that the barrels or boxes can be easily swung out from under the counter when it is desired to have access to their contents, and back again out of the way, substantially as hereinafter more fully set forth.

In the drawings, A is the floor or platform under the counter, and B the top of the counter. Upon the floor A, under the counter, is secured, by screws or otherwise, a plate, C, in the center of which is a shouldered stud, D, upon which are pivoted two arms, E E', one above the other, divided by a washer, e, and held in place upon the stud by a headed screw, d.

Each of the arms E E' terminates in a forked plate, F F', the points of which are filed, so as to form sharp teeth, which will enter up into the bottom of the box or barrel G G', the lower rim or chine of which projects down between the toothed plate F F' and an upright, H H', through the upper end of which works a set-screw, h h', which is so set as to bear

against the lower rim of the box or the chine of the barrel, as the case may be.

Arm E' is bent, as shown in the drawings, to swing in the same horizontal plane as arm E, which is straight, and is pivoted upon the lower enlarged part of the stud or pivot D, while the bent arm E' is pivoted on the narrow top part or neck of the stud, so as to bear against its shoulder and washer e.

Upon the under side of the top of the counter, perpendicularly above plate C, is secured another plate, I, preferably of semicircular shape, provided with a downward-projecting stud or arm, K, upon the lower end of which is secured, by a set-screw, l, a tubular washer, L.

Upon the stud K are pivoted two arms, M M', of substantially the same shape and construction as the corresponding arms E E' below—i. e., provided with toothed clamps or clamping-plates N N', standards O O', and set-screws o o'—arm M' being bent or curved, so as to swing in the same plane as the straight arm M. I prefer, however, in the case of these upper arms to bend or bulge the clamps N N' outwardly and their teeth inwardly, so as to enable them to get a better hold or bite on the inside of the upper chine. This also enables the box or barrel to be tilted slightly outwardly, as shown by dotted lines in Fig. 1 of the drawings, which makes the handling easier and more convenient, and, in the case of heavy boxes or barrels, enables the set-screws o o' to be dispensed with.

The upper stud or pivot K should be made of such a length as to enable the pivoted arms M M' to adjust themselves upon it vertically with reference to the height of the boxes or barrels to be held thereby, which therefore need not be of the same height; nor is it necessary that two barrels should be used with the clutch, as it will work equally well with one. The tubular washer L may also be dispensed with, if desired, as the outwardly slanting or tilting position of the barrels will of themselves keep arms M M' in place upon the pivot; but I prefer to use it, as it serves to hold the arms in place, even when there are no boxes or barrels upon the pivot-clutch.

If desired, the thumb set-screws h h' of the lower plate may be dispensed with, and wedges

used in their place by inserting them between the uprights H H' and the lower rim of barrel.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The pivot-clutch for handling boxes or barrels herein shown and described, consisting of the plates C I, provided with pivots D K, lying in the same vertical axis, each of which said studs or pivots is provided with a pair of

pivoted arms, E E' M M', having each a toothed clamping-plate and set-screw, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

WILLIAM HENRY HOLLENBECK.

Witnesses:

HENRY MAYO,

CLARENCE GRIGGS.

