

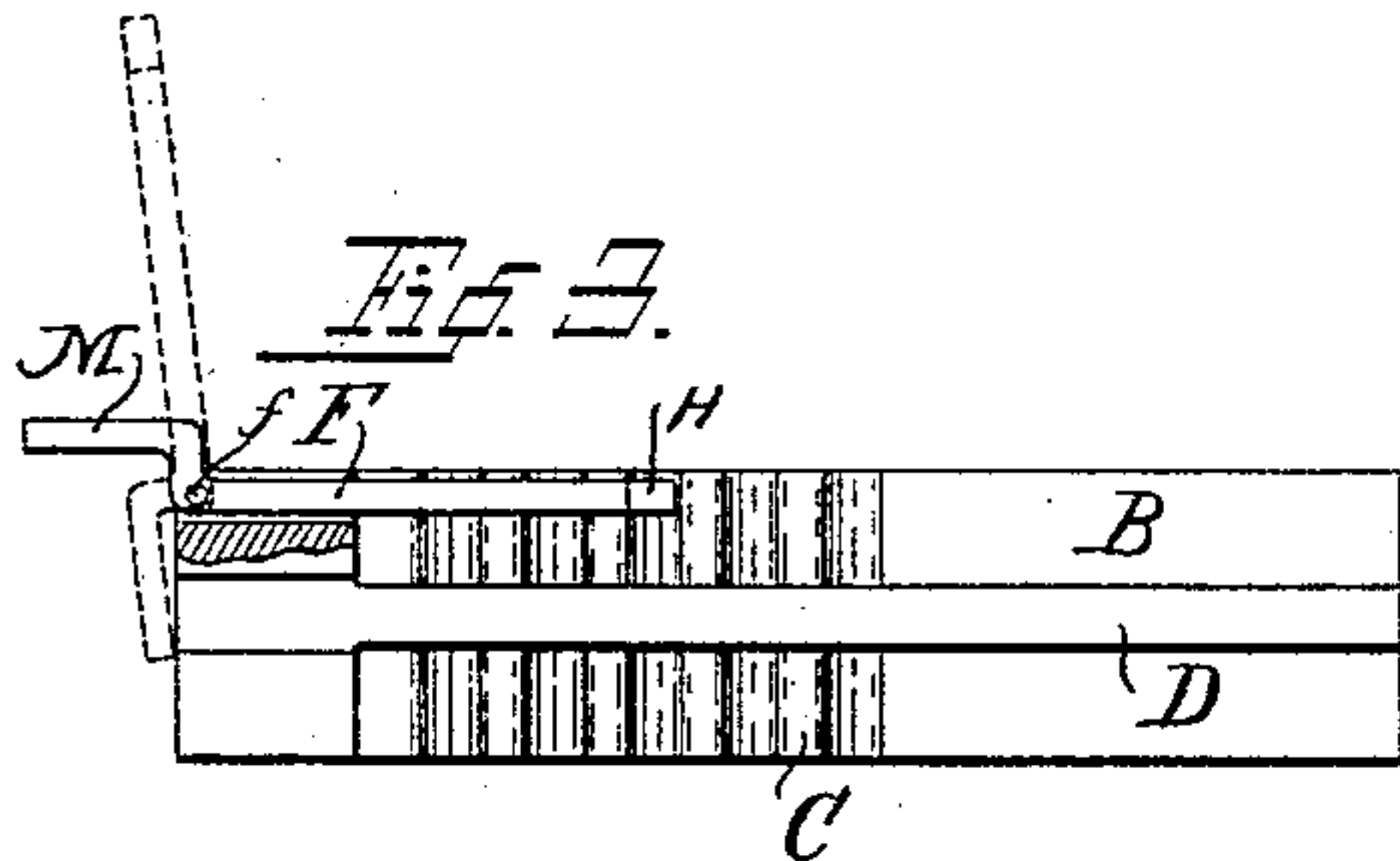
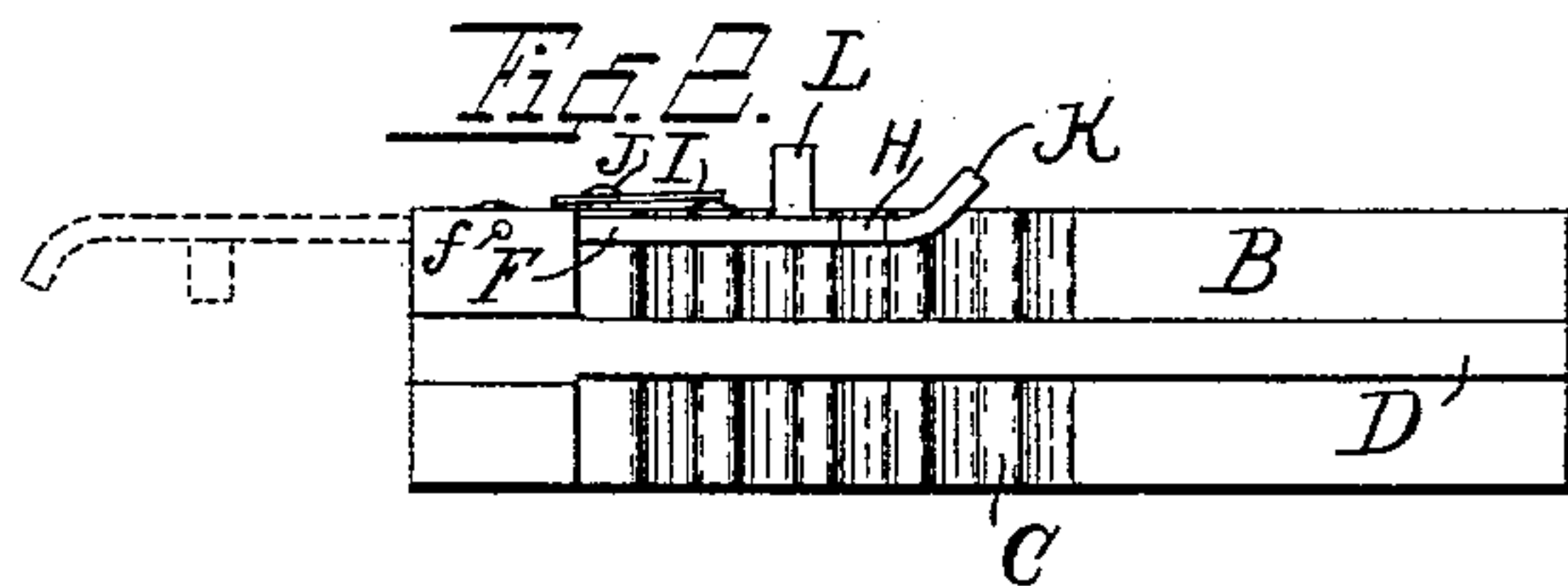
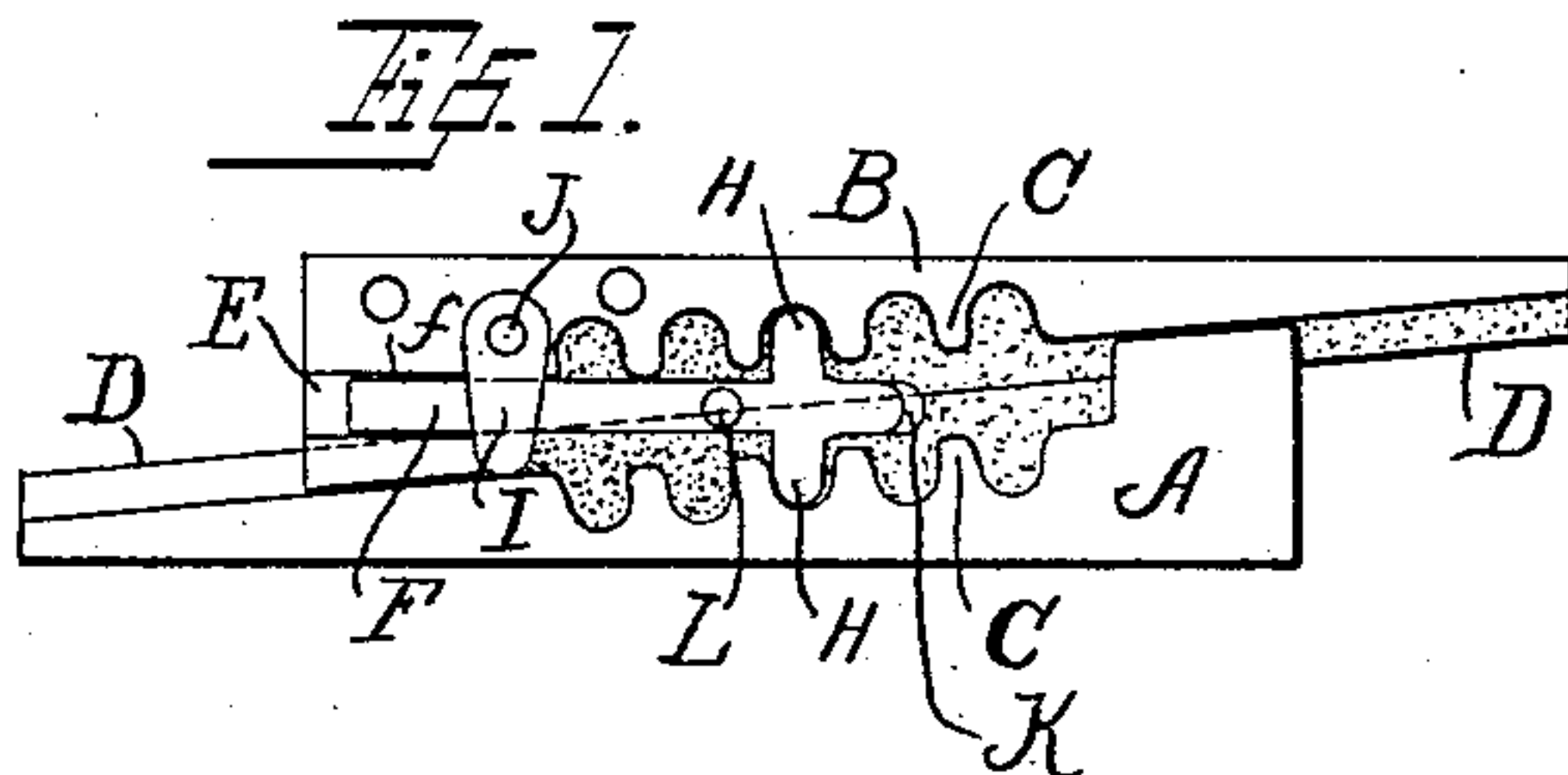
No. 711,033.

Patented Oct. 14, 1902.

E. L. ANSLINGER.  
PRINTER'S QUOIN.

(Application filed Mar. 3, 1902.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

EUGENE L. ANSLINGER, OF MILWAUKEE, WISCONSIN.

## PRINTER'S QUOIN.

SPECIFICATION forming part of Letters Patent No. 711,033, dated October 14, 1902.

Application filed March 3, 1902. Serial No. 96,512. (No model.)

*To all whom it may concern:*

Be it known that I, EUGENE L. ANSLINGER, a citizen of the United States, residing at Milwaukee, county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Printers' Quoins, of which the following is a specification.

My invention relates to improvements in printers' quoins, and pertains especially to the provision of means for locking the quoins in various positions of adjustment.

The object of my invention is to provide simple, efficient, and reliable means for locking the quoins in their adjusted positions whereby they will not be affected by the jarring of the printing machinery, regard being also had for cheapness of construction and convenience of manipulation.

In the following description reference is had to the accompanying drawings, in which—

Figure 1 is a side view showing the wedge-shaped members with my invention applied thereto. Fig. 2 is a view of the inner face of one of the members to which my invention is applied. Fig. 3 is a similar view showing a slightly-modified form of construction.

Like parts are identified by the same reference-letters throughout the several views.

A and B are the wedge-shaped members; C, the rack-teeth on the inner faces of said members, these teeth being located in recesses in said faces, as shown, and D represents the central longitudinal ribs. These parts are all of ordinary construction. It will be observed, however, that the thick portion of the member B is provided with a channel E in one of its side surfaces, in which a locking-lever F is pivotally secured at *f*. This lever is provided with arms H, adapted to register with and engage in the spaces between the teeth C of the respective members, thus locking the members against longitudinal movement when the lever is adjusted in such engagement. A flat plate I is pivotally secured at J to the member B, adjacent to the slot E and in such relation to the slot that the plate may be swung on its pivot to cover or uncover the slot, as desired. When the lever F is in locking position, the plate I may be swung to cover the slot, as shown in Fig. 1, thus preventing the lever F from swinging on its

pivot out of locking position. When it is desired to release the quoins, however, the plate I is swung to the position indicated by dotted lines in said figure, whereupon the lever H may be removed from between the rack-teeth C and swung upon its pivot to the position indicated by dotted lines in Fig. 2. To facilitate the removal of the lever F from between the quoins, I provide the same with projections K or L, Fig. 2, or M, Fig. 3, or any equivalent means for manipulating the lever.

In use the quoins are inserted in position and the wedge-shaped members adjusted upon each other by means of a key operating upon the rack-teeth C in the usual manner, the lever F being swung out of the way, as indicated by dotted lines in Fig. 2. When the members are adjusted to the desired position, the lever F is swung to locking position with the arms H engaging in the spaces between the teeth C of the opposing members, and the lip I is then swung on its pivot sufficiently to prevent the lever F from accidentally swinging outwardly from the locking position. To release the quoins, the lip I is first swung to release the locking-lever F and the latter swung out of locking position, when the members A and B may be readily separated.

It is obvious that both members A and B, or either one of them, may be provided with a locking-lever F and that any means for holding said lever F in its adjusted position will serve the purpose of the lip I, the latter being, however, preferred, for the reason that it projects but slightly from the surface of the quoin and is convenient of manipulation.

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

1. In a printer's quoin, the combination of wedge-shaped members provided with rack-teeth upon their opposing surfaces, and a locking device comprising a locking-lever pivotally secured to one of the members, and extending substantially parallel to the rack, said locking-lever being provided with projections adapted to simultaneously engage the rack-teeth of both members, when the lever is swung to locking position.

2. In a printer's quoin, the combination with wedge-shaped members having opposing



rack-teeth, and bearing-surfaces projecting beyond the teeth; of a locking device pivoted to one of the members in a position to swing into and out of the space between the opposing teeth, said device being provided with projections adapted to simultaneously engage between the teeth of both members.

3. In a printer's quoin, the combination with wedge-shaped members having opposing rack-teeth, and bearing-surfaces projecting beyond the teeth; of a locking device pivoted to one of the members in a position to swing into and out of the space between the opposing teeth, said device being provided with projections adapted to simultaneously engage between the teeth of both members; together with a fastening for holding said device in locking position.

4. In a printer's quoin, the combination of wedge-shaped members having opposing rack-teeth and bearing-surfaces projecting beyond the teeth; of a locking device pivotally secured in a channel in one of the members, in a position to swing into and out of the space between the opposing teeth, said device being provided with projections adapted to simultaneously engage between the teeth of both members.

5. In a printer's quoin, the combination of

wedge-shaped members, provided with teeth upon their opposing surfaces, adapted to facilitate the adjustment of the members upon each other; a locking member pivotally secured in a channel in one of the members, and having projections adapted to engage in the spaces between the teeth of the opposing members; fastening-plate pivotally secured to the face of one of the members adjacent to the slot in which the lever is pivoted and adapted to be swung to cover or uncover said slot.

6. In a printer's quoin, the combination with wedge-shaped members, having opposing rack-teeth; a locking-lever pivoted to one of the members and extending substantially parallel to the racks when in locking position; projections on said locking-lever, adapted to simultaneously engage between the rack-teeth of both members; and a projection extending outwardly from said lever, adapted to facilitate its adjustment to the locking and unlocking positions.

In testimony whereof I affix my signature in the presence of two witnesses.

EUGENE L. ANSLINGER.

Witnesses:

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