

(No Model.)

G. MOHR.

APPARATUS FOR FITTING UP MATRICES.

No. 378,799.

Patented Feb. 28, 1888.

Fig. 1.

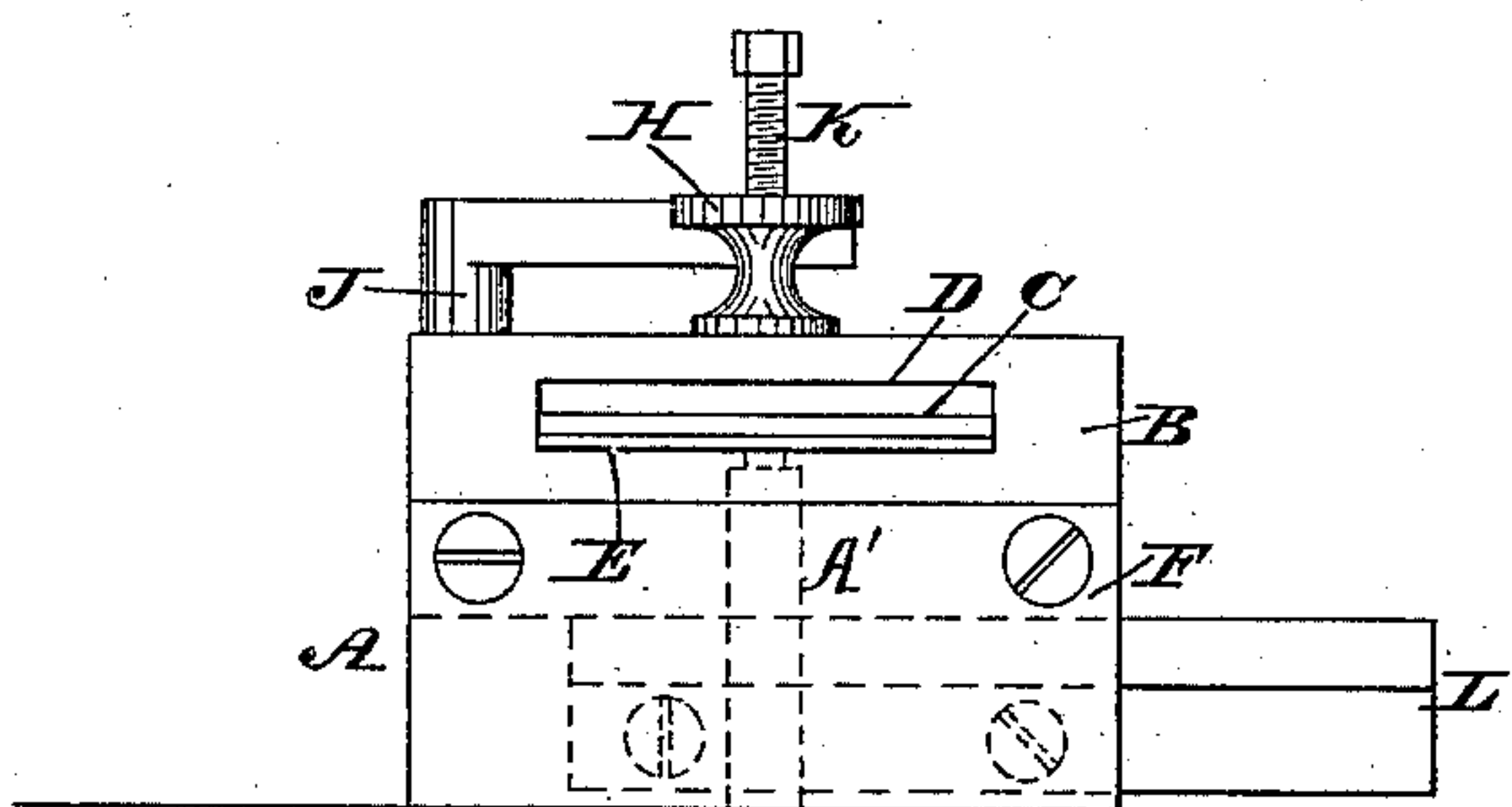


Fig. 2.

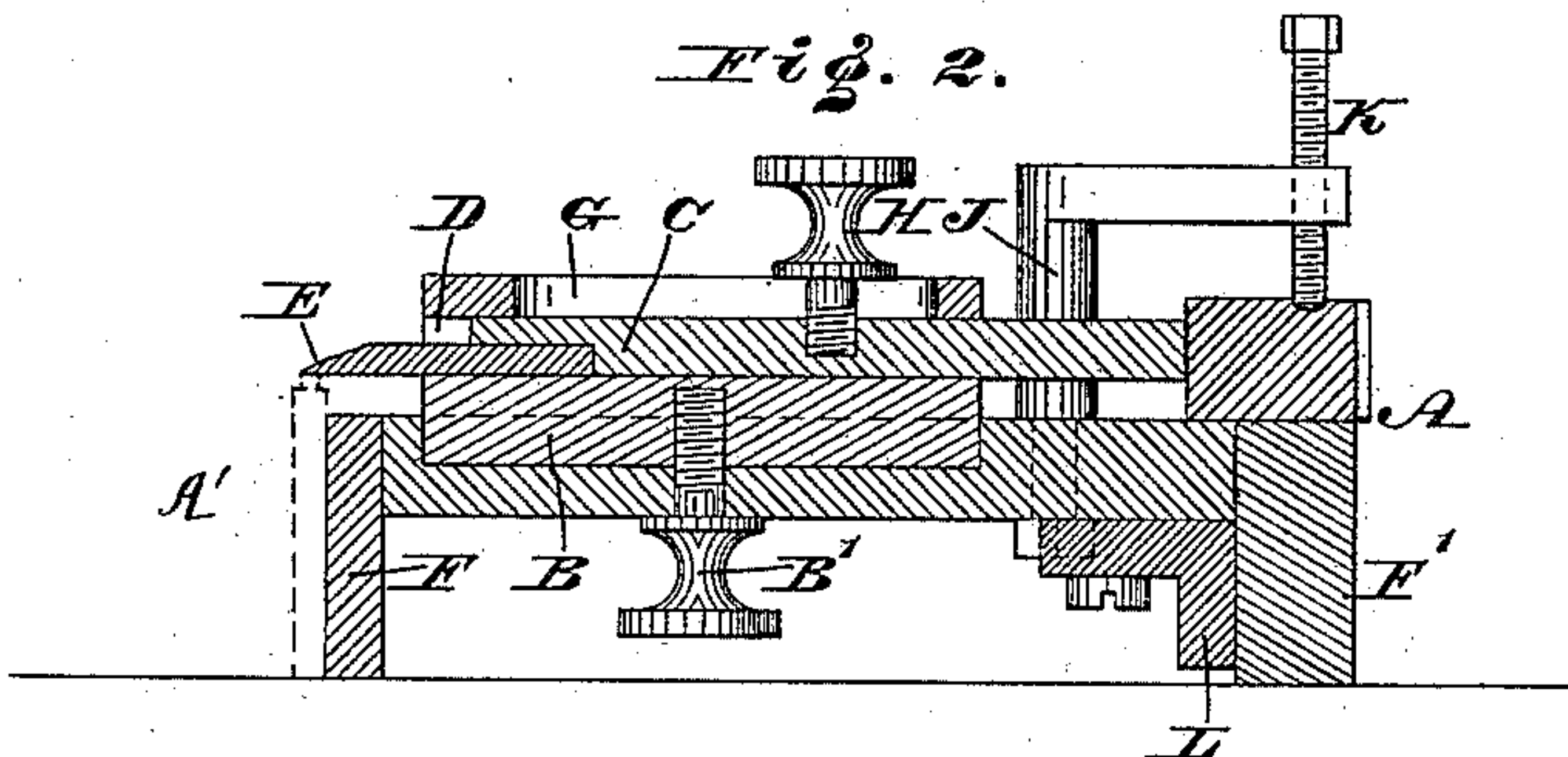
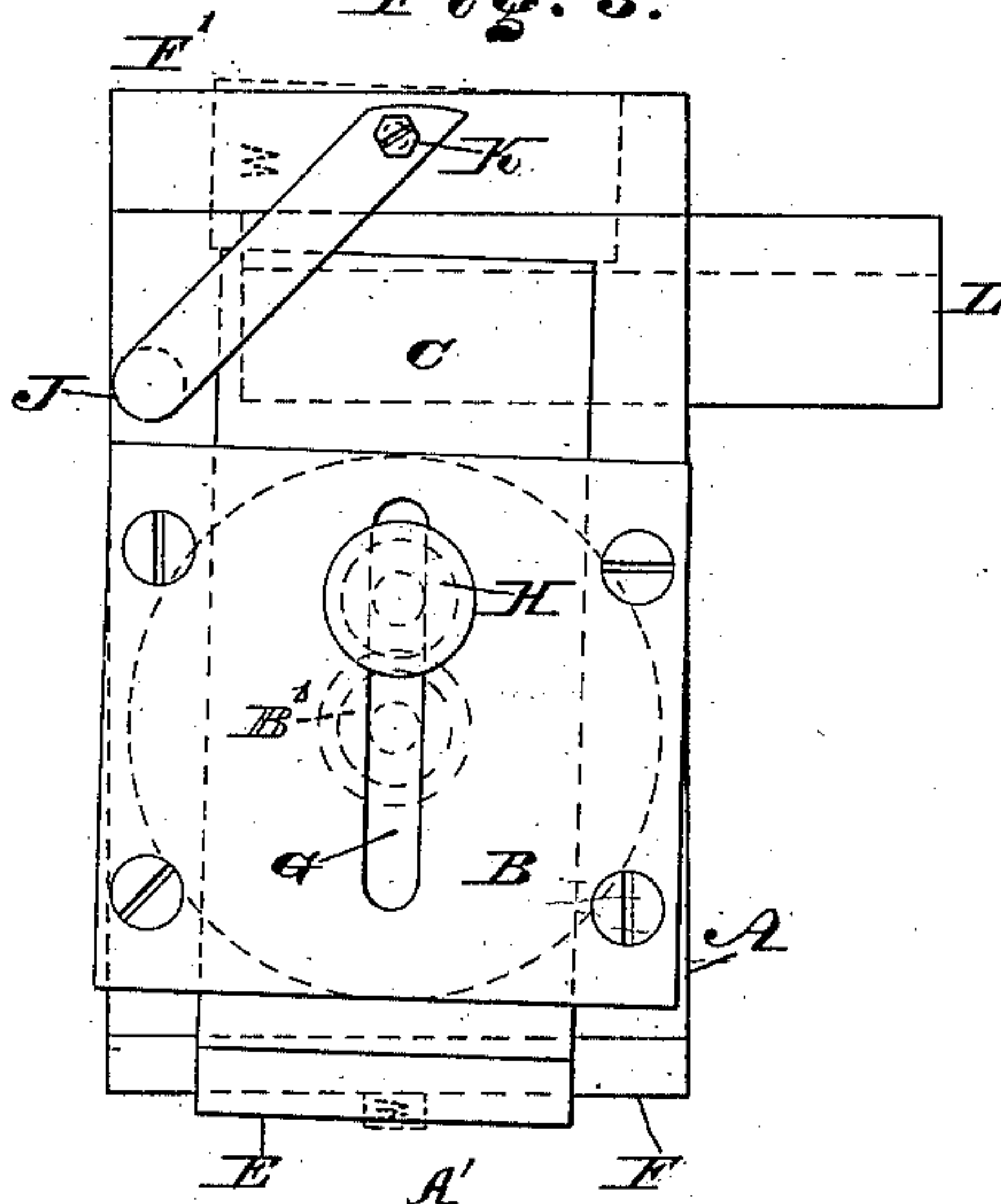


Fig. 3.



WITNESSES:

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APPARATUS FOR FITTING UP MATRICES.

SPECIFICATION forming part of Letters Patent No. 378,799, dated February 28, 1888.

Application filed August 23, 1886. Serial No. 211,630. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV MOHR, a subject of the Emperor of Germany, having resided for one year last past in the United States and made oath of intention to become a citizen thereof, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Apparatus for Fitting Up Matrices, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a front view of an apparatus for fitting up matrices embodying my invention. Fig. 2 represents a central longitudinal section thereof. Fig. 3 represents a top or plan view thereof.

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

My invention consists of an apparatus for fitting up or justifying matrices in a convenient, reliable, and inexpensive manner, as will be hereinafter set forth.

Referring to the drawings, A represents a stand or table on which is supported a rotatable block or bed, B, the latter being held in position by a screw, B'.

C represents a gage or adjustable plate which is fitted in a passage, D, formed in the bed B in the horizontal and longitudinal directions thereof, and adapted to slide therein. One end of the plate is beveled or sharpened, as at E, and said end overhangs the side or leg F of the stand A, it being noticed that the gage is raised above the stand A and has both ends projecting from the bed B. In order to hold the gage in adjusted position, the bed B has a slot, G, which receives a screw, H, the latter being secured to the gage C and having its head tightening against the bed B. The outer faces of the legs F and F' of the stand A are parallel to each other.

Rising from the side of the stand A, adjacent to what may be termed the "heel end" of the gage C, is a post, J, and fitted to the same is a screw, K, which extends vertically and is adapted to hold the matrix when placed on the stand and rested against the heel end of the gage. The post J is movable, so as to set the screw K to matrices of different widths.

The operation or manner of using the device is as follows: A type, A', is primarily made from the impression in the matrix, and the same is placed against the side F of the stand and the under side of the beveled end of the gage, as shown in Fig. 2. The screws H B' are loosened and the gage moved in or out, and the bed B rotated until the sharp end of the gage is in contact and parallel with the outer edge of the letter or other character on the type or impression, and the screw B' is then tightened. The matrix, the opposite sides of which are parallel, is now placed on the stand under the screw K and adjusted on the outer edge of the stand, after which the heel of the gage is moved against the matrix, one corner of the latter being preserved coincident with the edge of the stand. The screws H and K are now tightened, so that the gage is rendered immovable and the matrix is clamped to the outer face of the leg F'. Should the matrix be true—i. e., the side of the impression be parallel with the side of the matrix—the outer side thereof will be parallel and coincident with the side or leg F' of the stand. Should the matrix be irregular, the irregularity will appear at the side F' of the stand, owing to the projection of part of the matrix over the side F', as indicated by the dotted lines, Fig. 3, said projecting portion then being filed off or otherwise removed, thus making the matrix true for subsequent service.

In order to hold the device, the stand has secured to it an arm, L, which may be fitted to a vise and clamped.

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

1. A device for fitting up matrices, having a gage and a rotatable bed carrying the same, substantially as described.

2. A device for fitting up matrices, having an adjustable plate or gage, a bed carrying the gage, and a stand supporting the bed, said gage being adapted to project from either end of the bed over the stand, and rotatable with the bed, substantially as described.

3. The stand A, bed B, screw B', gage C, screw H, the post J, and screw K, the bed being rotatable on the stand and the gage mov-

able in the bed in relation to the sides F F' of the stand, the several parts being combined and forming together an apparatus for fitting up matrices, as stated.

- 5 4. A device for the purpose named, consisting of a stand with parallel opposite ends, a rotary bed pivoted thereon, a sliding gage fit-

ted in said bed, and a post attached to said stand and provided with a clamping-screw, substantially as described.

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Witnesses:

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