

(No Model.)

J. J. FINKE.

DETACHABLE HOLDER FOR RUBBER FACED TYPE AND TYPE THEREFOR

No. 450,665.

Patented Apr. 21, 1891.

Fig. 1.

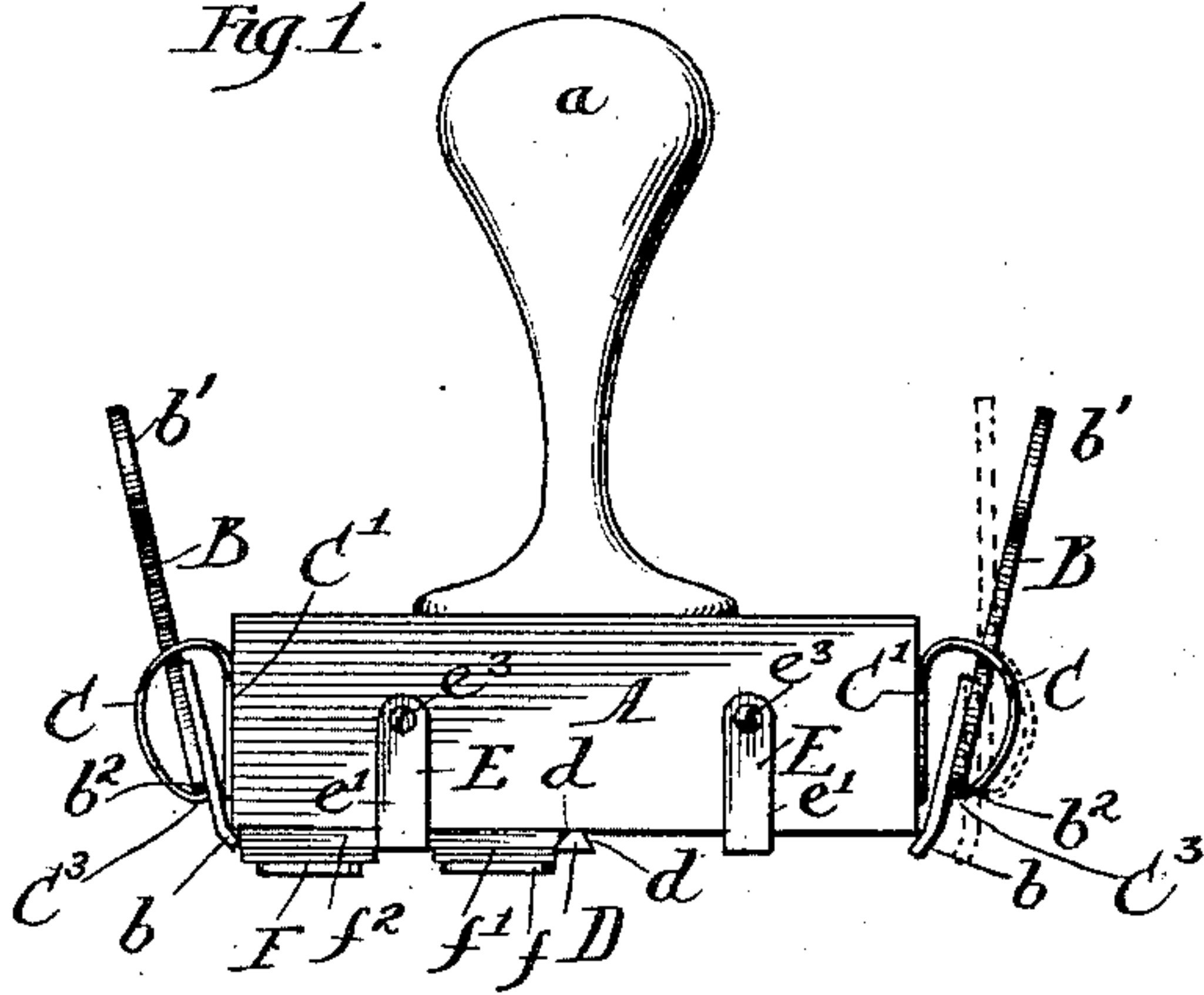


Fig. 2.

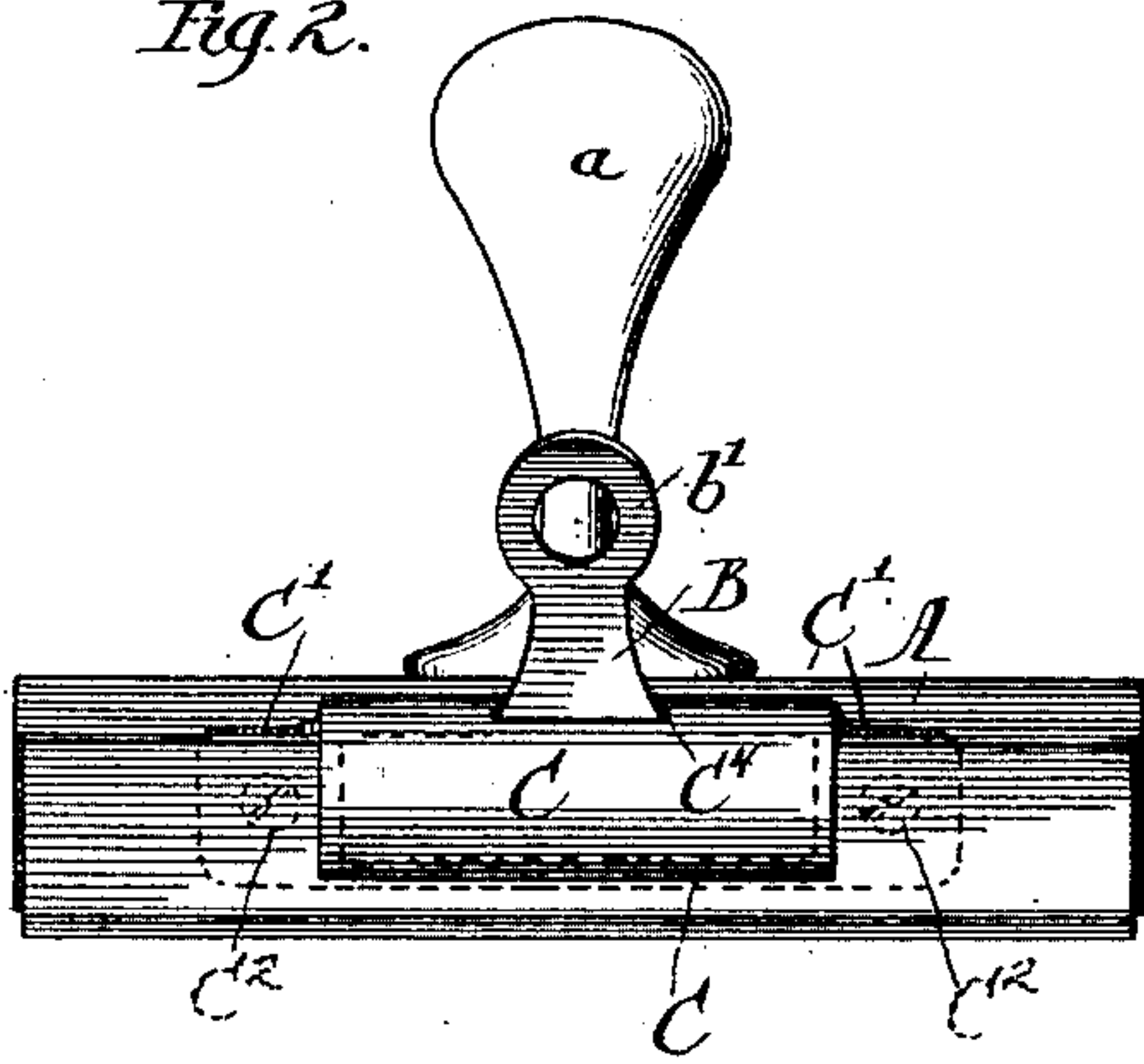


Fig. 3.

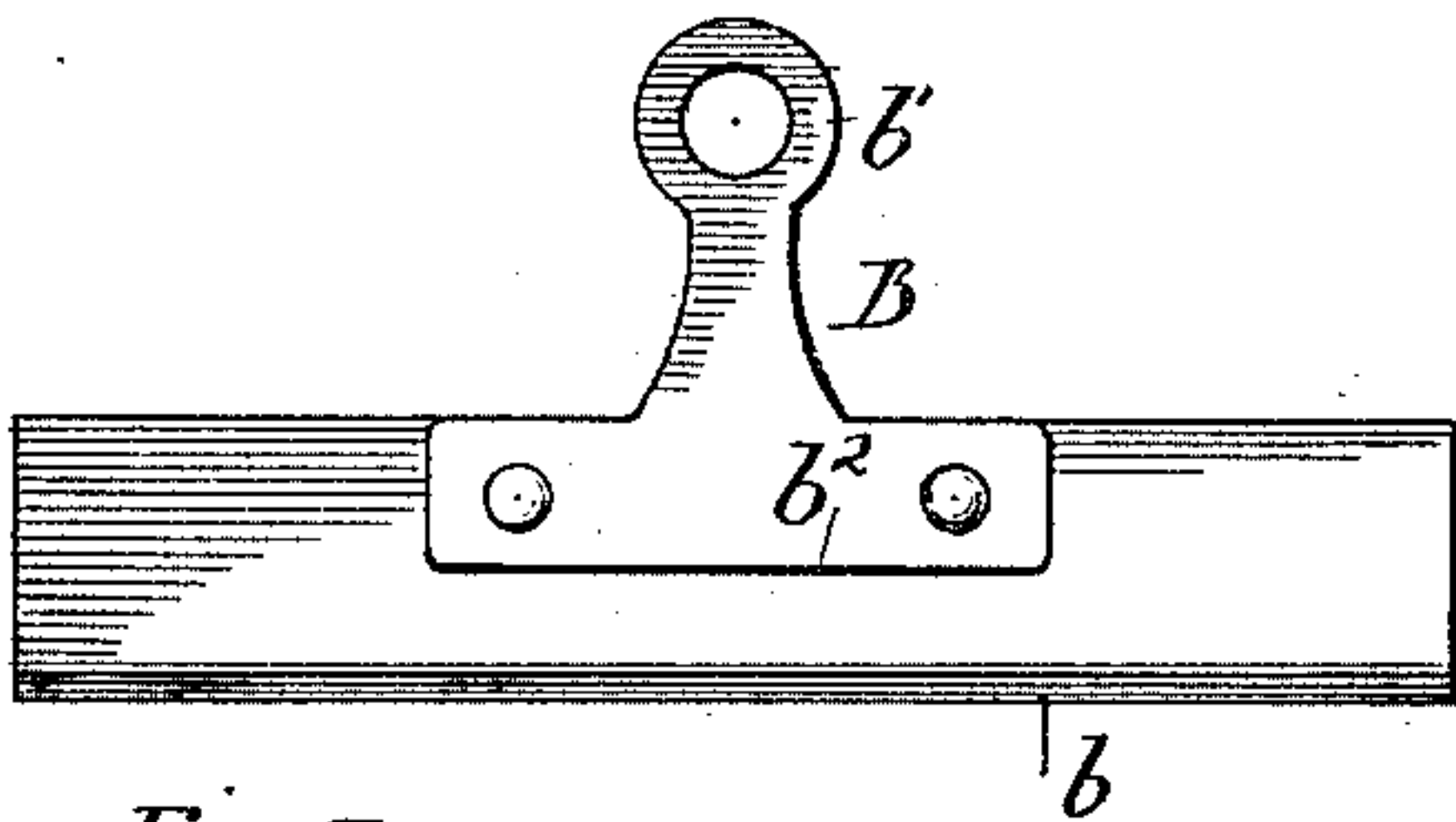


Fig. 4.

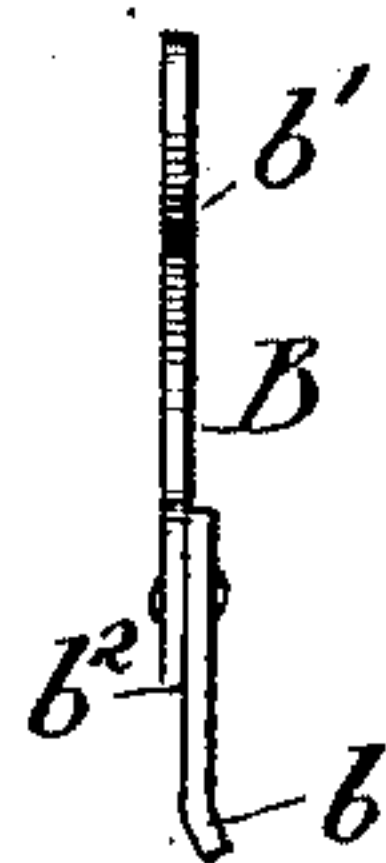


Fig. 5.

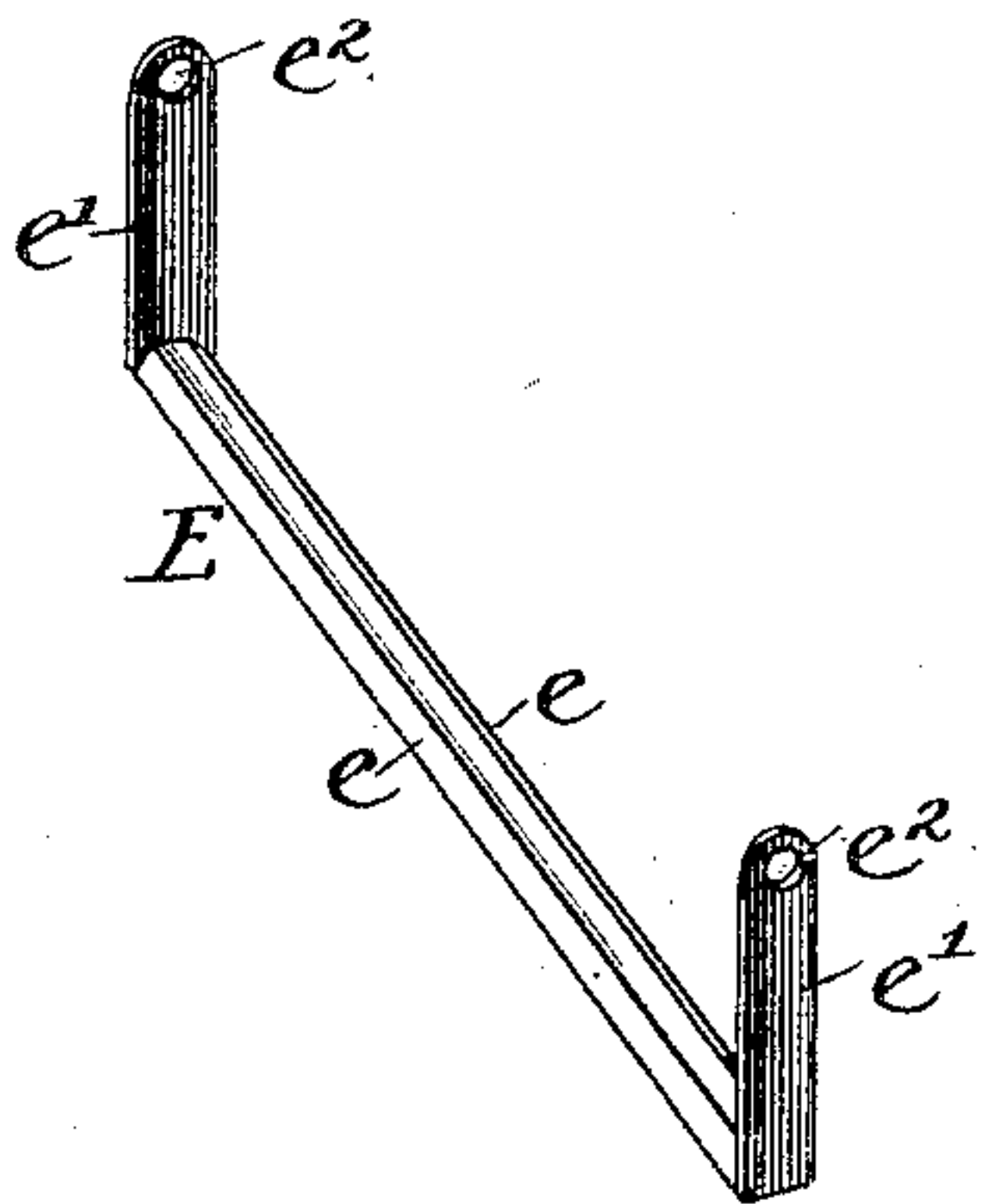


Fig. 6.

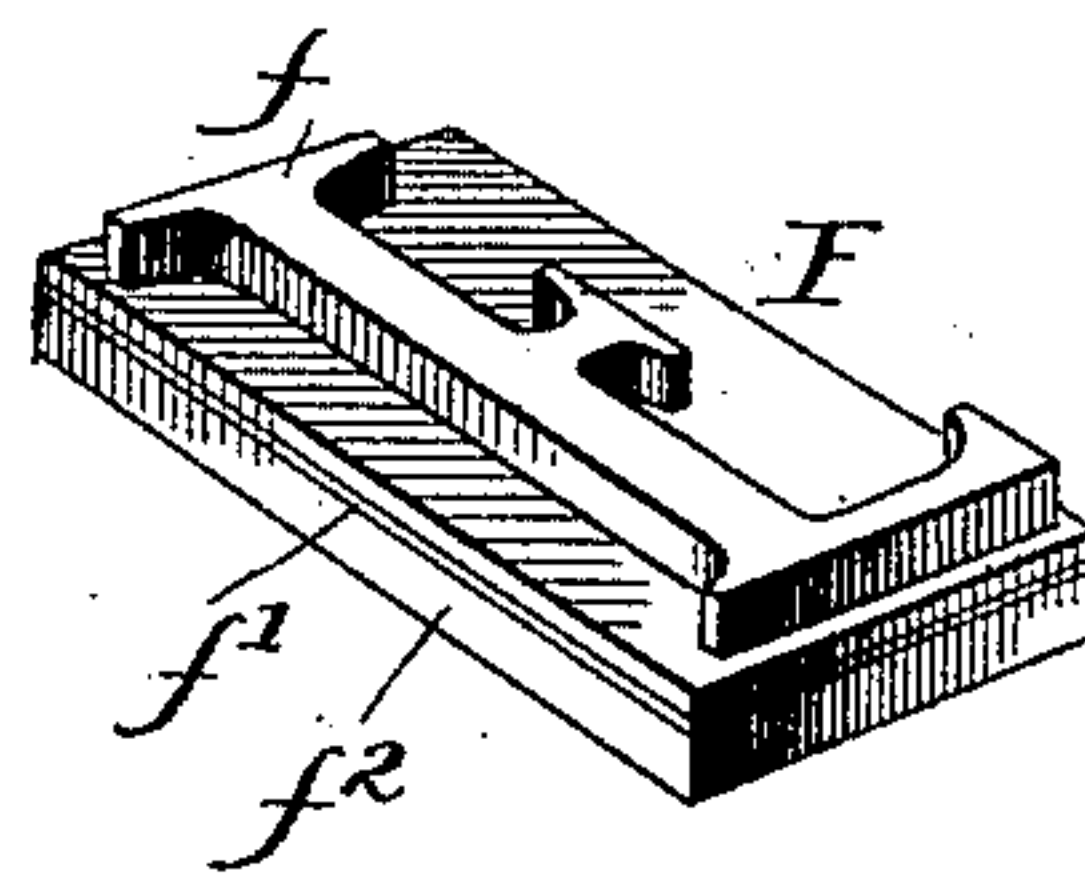


Fig. 7.

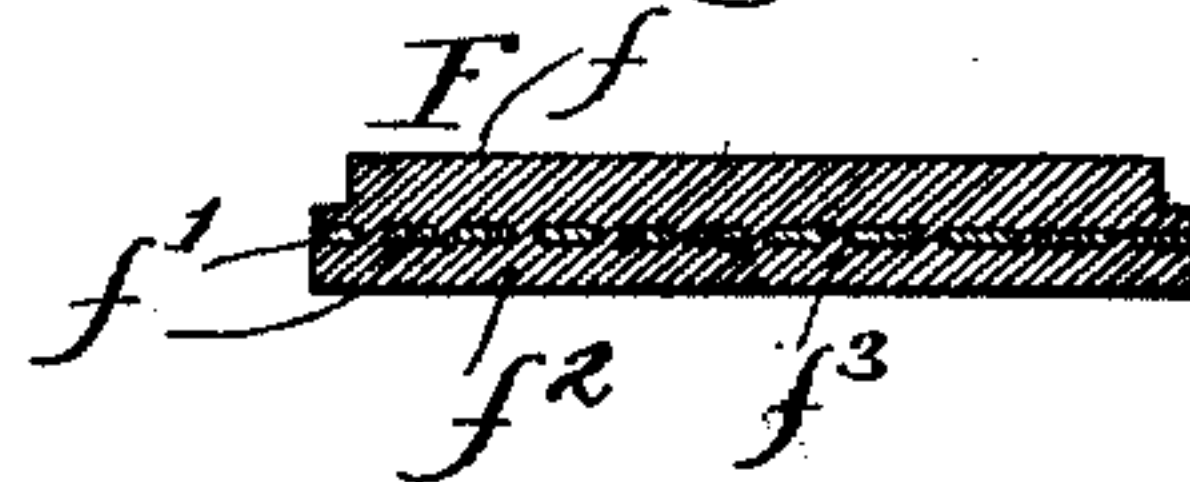
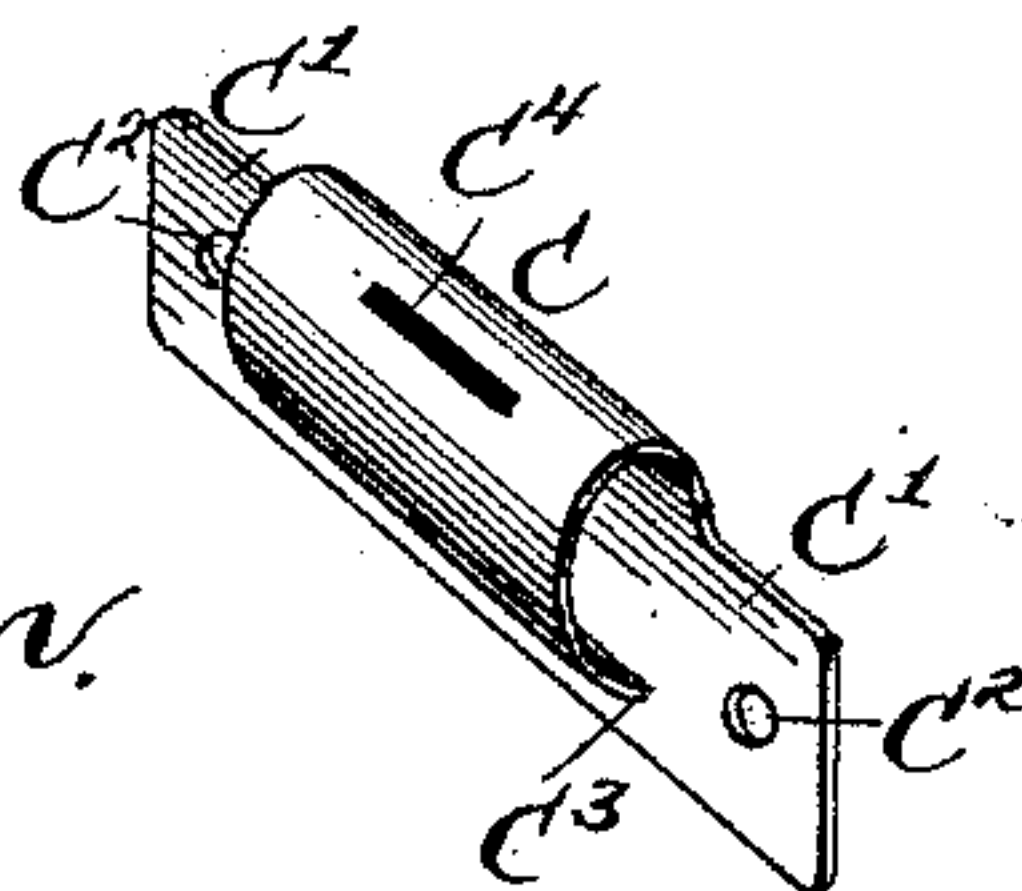


Fig. 8.



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# UNITED STATES PATENT OFFICE.

JOHN J. FINKE, OF CHICAGO, ILLINOIS.

DETACHABLE HOLDER FOR RUBBER-FACED TYPE AND TYPE THEREFOR.

SPECIFICATION forming part of Letters Patent No. 450,665, dated April 21, 1891.

Application filed July 14, 1890. Serial No. 358,598. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN J. FINKE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Detachable Holders for Rubber-Faced Type and Type Therefor, of which the following is a specification.

My invention has for its object the production of a detachable holder for type having an elastic face, as rubber, in which type suitably made may be placed to constitute a word, sign, or figures, and from which type impressions can be taken in the ordinary manner in which impressions are taken from "rubber stamps," as they are termed, and, further, the production of a type having an elastic rubber face thereon adapted to be placed in a holder of the kind hereinafter described and held therein in the manner in which such type are held in my detachable holder, with the face or printing-surface thereof in a flat condition, well adapted to have an impression taken therefrom in the ordinary manner.

I am aware that letters made of rubber and having an elastic printing-surface, known to those skilled in the art as "rubber stamps," have been heretofore made, and that such type have the same external appearance as have the type made by me to be used in my detachable holder; but such type, when composed entirely of rubber, are not adapted to be used in a holder designed to temporarily hold such type by pressure applied on the edges of the type in the manner accomplished in my invention, but, on the contrary, such rubber type when placed in my detachable holder will be bellied or bent out in the middle by the pressure of the retaining device in the holder. I am also aware that letters having a metal body and a rubber face have been heretofore made; but such type, when made with sufficient surface thereon to accomplish the purpose for which my combined detachable holder and type therefor are intended, are not so well adapted to be held firmly in place in the holder as are the type herein described and devised by me, or to present so smooth and flat a surface upon the printing-face thereof while in such holder.

The object of my invention is to obtain a holder adapted to temporarily hold in position therein one or more lines of type having a rubber face, such type being combined to form marks, words, parts of words, or figures, and from which impressions may be taken in the ordinary way of taking impressions from rubber stamps, to obtain a holder adapted for the purpose named, from which the type may be readily released when desired and other type easily placed therein, and to obtain a type adapted to be held in the holder by pressure applied to the edges thereof in the manner in which my detachable holder applies pressure thereto, while at the same time a flat and smooth printing-surface is retained on such type even when the surface thereof is of comparatively great extent.

A further object of my invention is to obtain type having embedded therein and forming part thereof a rigid plate serving as a stiffening to the type, and so constructed and placed therein that both a rubber printing-face and an elastic rubber back is preserved, while neither such facing or backing will be liable to be torn or stripped from the stiffening-plate. The stiffening-plate herein referred to may be composed of rigid material, as gutta-percha, hard rubber, or metal in sheet form; but in order to obtain the best results I deem it necessary to construct such plate of perforated sheet metal.

I have illustrated my invention by the drawings accompanying and forming a part hereof, in which—

Figure 1 is an end elevation of my detachable holder and of the type therefor placed in position therein in two of the lines thereof; Fig. 2, a side elevation of the detachable holder; Fig. 3, a plan of the combined handle and catch forming a part of my detachable holder; Fig. 4, an end elevation of such combined handle and catch; Fig. 5, a perspective view of a swinging partition or division-bar forming part of my invention; Fig. 6, a perspective of the type invented by me to be used in combination with my detachable holder; Fig. 7, a sectional view of the type illustrated in Fig. 6, and Fig. 8 a perspective view of the spring holding the combined handle and catch



against the type when the type is placed in the holder.

Like letters refer to like parts throughout the several views.

5 A is a block, ordinarily of wood, having handle *a*.

B is a combined handle and clasp or catch by which type is held on the lower surface of block A.

10 *b* is the part of the combined handle and clasp B which comes in contact with the edge of the line of type placed in the holder, and thereby clasps them in place.

*b'* is the part of such combined handle and clasp B which forms the handle thereof. Part 15 *b* of the combined handle and clasp B is constructed of varying lengths to conform to the length of block A.

*b<sup>2</sup>* is the shoulder formed by the edge of 20 part *b'* of the combined handle and clasp B, at the lower edge of such part *b'* coming in contact with part *b* of the combined handle and clasp B when such part *b'* is rigidly secured to part *b*.

25 C is a spring formed of curved sheet metal.

*C'* is the base of C; *C<sup>2</sup>* *C<sup>2</sup>*, holes in the base through which screws rigidly securing the spring to the block A may be placed, and *C<sup>3</sup>* 30 the lower edge of the spring-plate of the spring C.

*C<sup>4</sup>* is a slot through the spring C. Slot *C<sup>4</sup>* is adapted to have the handle *b'* of the combined handle and clasp B placed through it, and thereby form a pivotal point in such 35 spring C on which the combined handle and clasp B may be turned against the pressure of the spring-blade of spring C. When spring C is secured rigidly to the block A and the combined handle and clasp B is put in position in the spring, the handle *b'* being through 40 the slot *C<sup>4</sup>*, the lower edge *C<sup>3</sup>* of the spring comes over and below the edge *b<sup>2</sup>* of part *B'* of the combined handle and clasp B, thereby serving to retain such combined handle and clasp in position and from falling out of the spring. 45

D is a rigid division-bar having inverted-V-shaped sides or edges. Division-bar D is secured firmly to the face of the block A, 50 and where the holder is adapted to have contained therein but two lines of type this division-bar D is placed at one edge of block A. When placed in the middle of the block A, as shown in the drawings, by duplicating the 55 combined handle and clasp B, as is also shown, and the placing of a pivotal or swinging division-bar on the block A, four lines of type may be secured in the holder.

E is the swinging or pivotal division-bar 60 having inverted-V-shaped sides or edges *e e*. *e' e'* are upturned ends of the swinging bar E, and *e<sup>3</sup>* are holes in the upturned ends *e'*, through which the screws *e<sup>3</sup>*, which form the pivotal points of the division-bar, are placed.

65 F is one of the letters of the alphabet, all of which are constructed in the same manner, forming one of my type.

*f* is the rubber facing of the letter *f'*, a rigid sheet-stiffening being embedded within the letter, and *f<sup>2</sup>* the rubber backing thereof. 70 *f<sup>3</sup>* are perforations in the rigid sheet-stiffening.

Where the sheet-stiffening *f'* is constructed of perforated material and sheets of rubber are placed on the front and back thereof in 75 the mold before such mold is placed in the flask and subjected to heat, the type obtained will have its rubber facing and rubber backing united into one piece by the connecting threads of rubber, which will extend through 80 the perforations in the stiffening-plate. These perforations are of varying size, reference being had to the size of the type being made, the larger perforations being employed in the making of type having the larger printing- 85 face thereon.

The operation of my invention is as follows: A suitable number of type are placed in the holder in the line or groove therefor 90 between rigid division-bar D and pivotal division-bar E, and the pivotal division-bar E pressed against the edge of the type. Type having letters thereon or blanks, as desired, are placed in the second line of the holder 95 formed between the pivotal division-bar E and the combined handle and clasp B, such combined handle and clasp being pressed back while the type are being put in position and then after the type are in position released to be pressed against the edge of the 100 type and there held by spring C. The rigid division-bar D may be adjustably secured on block A, when desired, and pivotal division-bar E may at any time be taken from the block A by removing the screws *e<sup>3</sup>*. 105

A single line of type of more than twice the height of the type which may be put in the holder when two lines are employed may then be placed in such holder.

Having thus described my invention and its 110 operation, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a detachable holder for type, the combination of a block, a combined handle and clasp secured thereto movably by a spring, 115 such spring secured to the block and having a slot therein through which the handle of the combined handle and clasp passes and the lower edge of the spring pressing against the clasp of the combined handle and clasp below 120 the shoulder formed by the joining of such handle and clasp, and an inverted-V-shaped bar secured to the block on the lower face thereof, whereby type can be secured in such holder by the combined handle and clasp 125 pressing against one of the edges of such type and forcing the opposite edge thereof against the inverted-V-shaped bar, substantially as described.

2. In a detachable holder for type, the combination of a block, a combined handle and clasp secured thereto movably by a spring, 130 such spring secured to the block and having a slot therein through which the handle of the



combined handle and clasp passes and the lower edge of the spring pressing against the clasp of the combined handle and clasp below the shoulder formed by the joining of such handle and clasp, whereby type can be secured in such holder by the combined handle and clasp pressing against one of the edges of such type and forcing the opposite edge thereof against an inverted-V-shaped abutment, substantially as described.

3. In a detachable holder for type, the combination of a block, a combined handle and clasp secured thereto movably by a spring, such spring secured to the block and having a slot therein through which the handle of the combined handle and clasp passes and the lower edge of the spring pressing against the clasp of the combined handle and clasp below the shoulder formed by the joining of such handle and clasp, an inverted-V-shaped bar removably secured to the block on the lower face thereof, and a pivotal division-bar, also having inverted-V-shaped edges, secured to the block, whereby type is secured in the holder by being placed between the inverted-V-shaped bar and the pivoted bar, and a second line of such type is also secured in the holder between such pivoted bar and the combined handle and clasp, all substantially as described.

4. A detachable holder for type, consisting

of a block, a combined handle and clasp pivoted thereto, a spring secured to the block and pressing against the combined handle and clasp, and an inverted-V-shaped bar also secured to the block and on the lower face thereof, in combination with the type having a rubber face and a rubber back with a rigid stiffening material embedded therein between such rubber face and rubber back, substantially as described.

5. A rubber type adapted to be held in a holder by clasps pressing against the opposite edges thereof, such type composed of a rubber face and a rubber back with a rigid plate embedded therein between such rubber face and rubber back, substantially as described.

6. A rubber type adapted to be held in a holder by clasps pressing against the opposite edges thereof, such type composed of a rubber face and a rubber back with a rigid perforated plate embedded therein between such rubber face and rubber back, and threads extending from such rubber face to such rubber back through the holes in the rigid plate, such threads being integral with both the rubber face and rubber back, all substantially as described.

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