No. 740,470. PATENTED OCT. 6, 1903.

J. R. ROGERS.

LINOTYPE MACHINE.

APPLICATION FILED FEB. 16, 1903.

NO MODEL.

Fig. 1.

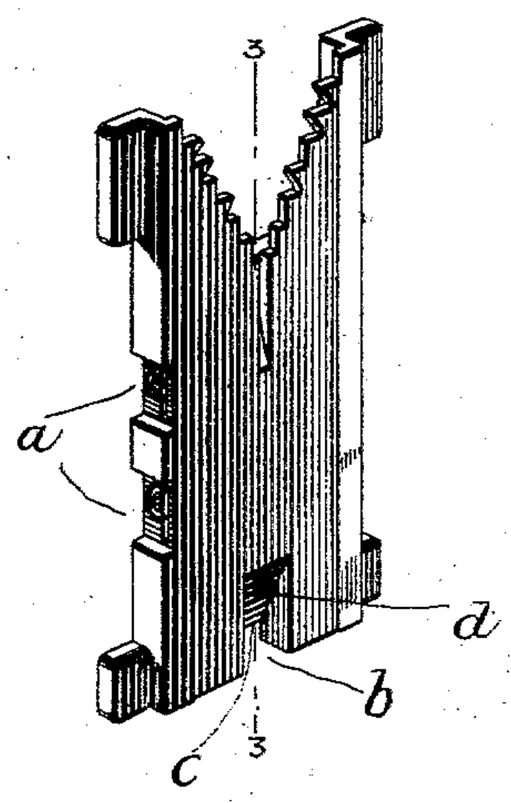


Fig. 2.

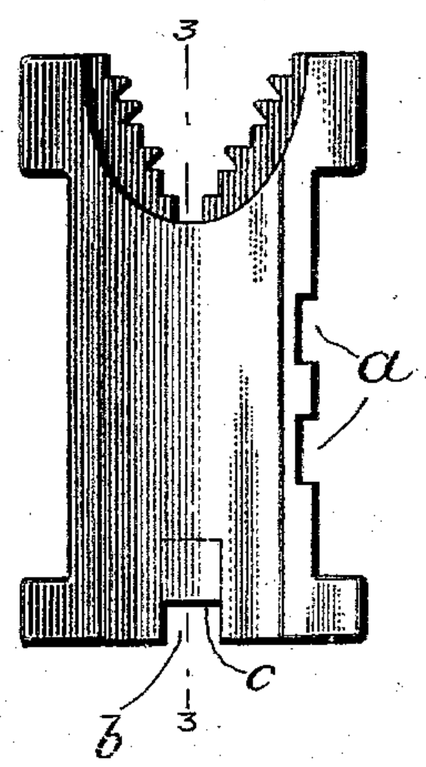
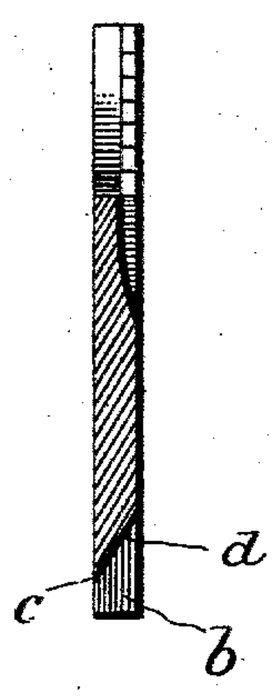


Fig. 3.



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No. 740,470. Patented October 6, 1903.

UNITED STATES PATENT OFFICE.

JOHN R. ROGERS, OF BROOKLYN, NEW YORK, ASSIGNOR TO MERGENTHALER LINOTYPE COMPANY, A CORPORATION OF NEW YORK.

LINOTYPE-MACHINE.

SPECIFICATION forming part of Letters Patent No. 740,470, dated October 6, 1903.

Application filed February 16, 1903. Serial No. 143,567. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. ROGERS, of Brooklyn, county of Kings, and State of New York, have invented a new and useful Improvement in Linotype-Machines, of which the following is a specification.

My invention relates to a matrix intended more particularly for use in that class of Mergenthaler linotype-machines represented in Letters Patent of the United States No. 640,033, wherein two magazines fixed in position one over the other are provided each with a font or set of matrices. In practice the composed lines of matrices, comprising matrices from one or both magazines, after use are lifted to the distributing mechanism and there separated, the individual matrices going to the distributer of the upper or the lower magazine, as the case may be. This separation of matrices belonging to the respective magazines is effected by the aid of notches cut in the lower ends of the matrices belonging in the lower magazine, whereby in advancing they are permitted to fall to a lower level on the supporting-guide than the matrices for the upper magazine.

The present invention has reference to the notch in the lower ends of the matrices; and it consists of matrices having a notch one face of which is beveled or inclined upward, as hereinafter explained.

In the drawings, Figure 1 represents a perspective view of one of my improved matrices; Fig. 2, a side view of the same; Fig. 3, a vertical section of the same on the line 3 3 of the preceding figures.

In its general form and construction the matrix shown is identical with those now commonly used in the Mergenthaler linotype-machine. It consists of a flat plate of brass or like material having protruding lips or ears on opposite edges, a notch with distributing-teeth therein at the upper end, and one or more characters or matrices proper, *a*, on one edge.

The drawings represent what is commonly known as a "two-letter" matrix, with the same letter or character represented in different styles.

b represents the notch forming the subject of my invention. As shown, it is cut entirely through the matrix from one side of the matrix toward the other, so that it presents the shoulder or edge *c* above the lower end of the matrix to ride on the supporting rail or guide and an inclined surface *d*, extending thence upward. By forming this inclined surface the matrix is gradually reduced in thickness toward one of its side faces, thus leaving the thin edge or lip *c*. The thin edge or lip *c* at the upper end of the opening will be alike in all matrices in the font regardless of their thickness. This edge or lip and the recess above it are adopted for the purpose of adapting one font of matrices thus formed to be readily separated from matrices of a different font with which they may be assembled in line. The lip permits the proper and secure engagement of a lifting or separating device which is provided in the machine adapted to use these matrices.

The one essential requirement is that there shall be a notch or opening in the lower end of the matrix and that the body of the matrix shall be recessed or cut away, so as to leave a thin edge or lip *c*. It is manifest that the body of the matrix may be of any appropriate form in other respects.

Having described my invention, what I claim is—

1. The improved matrix for a linotype-machine, having therein a distinguishing-notch *b*, with a thin lip or edge *c*.

2. The matrix for a linotype-machine, having at the lower end a notch *b*, the inclined surface *d*, and the lip *c*.

In testimony whereof I hereunto set my hand, this 6th day of February, 1903, in the presence of two attesting witnesses.

JOHN R. ROGERS.

Witnesses:
F. A. BUSSE,
F. SERGARO.