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 MATRIX FOR LINOTYPE MACHINES.
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935,635.

Patented Oct. 5, 1909.

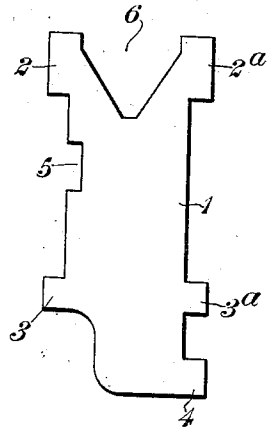


Fig. 1.

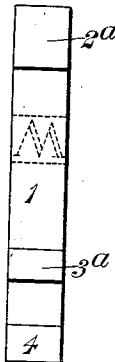


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN ERNEST BILLINGTON AND CHARLES HOLLIWELL, OF BROADHEATH, ENGLAND,
ASSIGNORS TO LINOTYPE AND MACHINERY LIMITED, OF LONDON, ENGLAND.

MATRIX FOR LINOTYPE-MACHINES.

935,635.

Specification of Letters Patent.

Patented Oct. 5, 1909.

Original application filed November 23, 1907, Serial No. 403,580. Divided and this application filed December 1, 1908. Serial No. 465,577.

To all whom it may concern:

Be it known that we, JOHN ERNEST BILLINGTON and CHARLES HOLLIWELL, subjects of the King of the United Kingdom of Great Britain and Ireland, and residing at Linotype and Machinery Works, Broadheath, in the county of Chester, England, have invented new and useful Improvements in Matrices for Linotype-Machines, of which the following is a specification.

This invention relates to improvements in matrices for linotype machines, which matrices are especially applicable for use in connection with a trimming mechanism adapted to trim linotypes having one or more display, or, what are known as, two-line letters thereon.

The present invention is only concerned with the provision upon a matrix, such as a two-line letter matrix, of an abutment which, as will be briefly described, is particularly applicable for setting a trimming blade in such a position as not to damage the projecting portion of, say, a two-line capital produced by the matrix. An apparatus for utilizing these improved matrices will be found in the specification belonging to an application by us for United States Patent, Serial Number 403560, and from which application the present one has been divided.

In the accompanying drawings which are to be taken as part of this specification and read therewith: Figure 1 is a face view of one form of the improved matrix; Fig. 2 is an edge view of the same.

As seen in the drawings the two-line letter matrices 1 are each provided with the ordinary upper lugs 2, 2^a, and lower lugs 3, 3^a for the purpose now well known. According to the present invention each matrix is further provided with an extra lug or projection 4 extending from its foot in a down-

ward and forward direction, being spaced from the front one 3^a of the lower lugs.

The matrix shown in the drawings is one having a cavity 5 suitable for forming a two-line "W" as indicated by the dotted lines in Fig. 2, and like all other two-line letter matrices, it is adapted to be composed into the assembling line by hand, its V-shaped notch 6 being unprovided with distributor teeth, whereby it fails to become engaged with the second distributor and is therefore not delivered into the magazine.

We claim:—

1. A letter matrix for linotype machines, having two bottom lugs and a lug extending downward laterally beneath one of the bottom lugs.

2. A two-line letter matrix for linotype machines said matrix comprising in combination a two-line letter formative cavity, two upper lugs, two lower lugs, and a downwardly and laterally directed lug projecting beneath one of said lower lugs.

3. A two-line letter matrix for linotype machines said matrix comprising in combination a two-line letter formative cavity, a plain V-shaped notch, two upper lugs, two lower lugs, and a downwardly and laterally directed lug projecting beneath one of said lower lugs.

4. A letter matrix for linotype machines, comprising two lower lugs, and a downwardly projecting lateral lug spaced from one of said lower lugs.

In witness whereof we have hereunto set our hands in the presence of two witnesses.

JOHN ERNEST BILLINGTON.
CHARLES HOLLIWELL.

Witnesses:

G. E. BANNISTER,
A. C. TRYER.