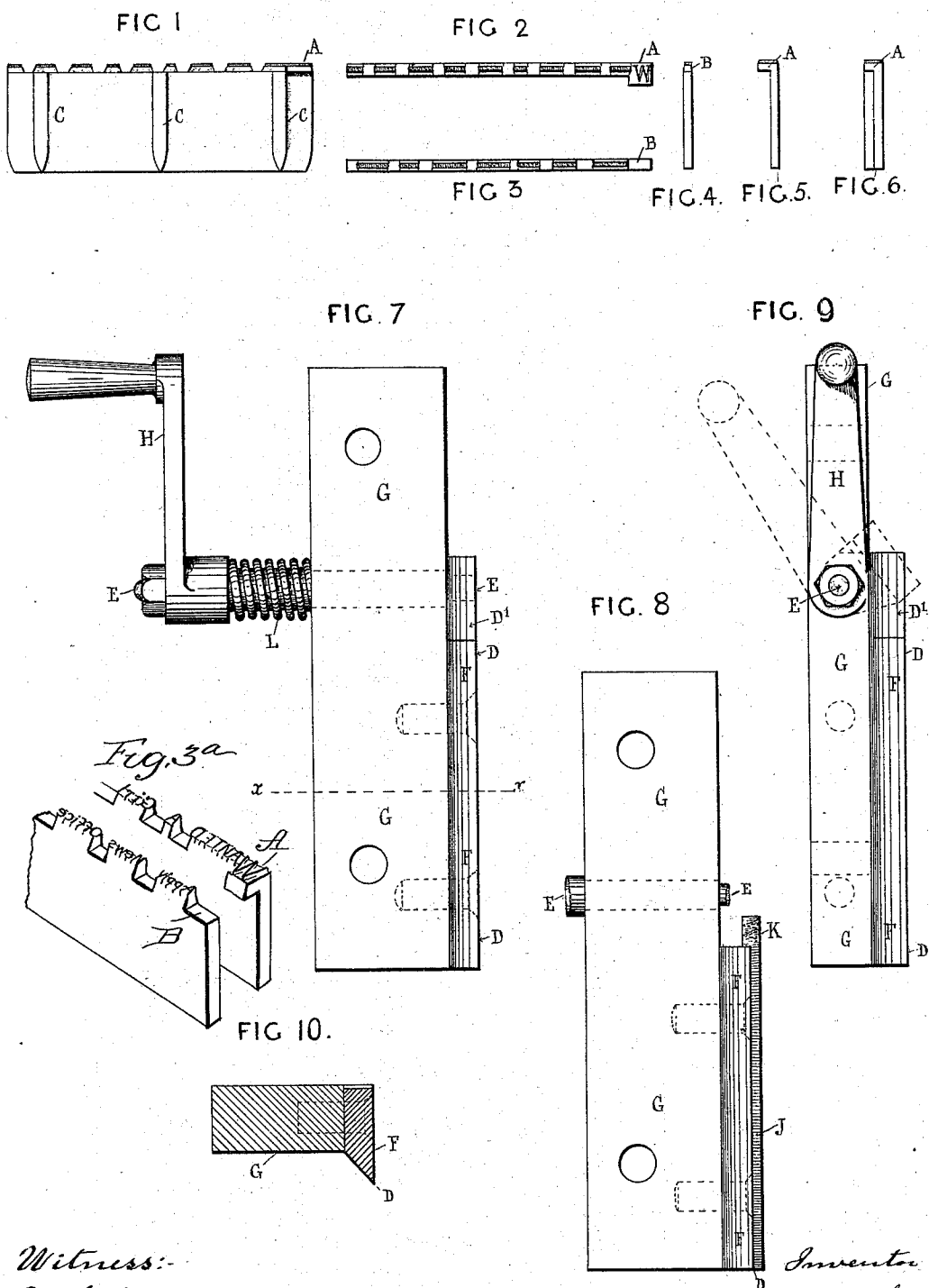


(No Model.)

M. H. WHITTAKER.
MEANS FOR TRIMMING LINOTYPE BARS.

No. 562,560.

Patented June 23, 1896.



Witness:-
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UNITED STATES PATENT OFFICE.

MATTHEW HENRY WHITTAKER, OF KINGSTON-UPON-HULL, ENGLAND,
ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE MERGENTHALER LINO-
TYPE COMPANY, OF NEW YORK, N. Y.

MEANS FOR TRIMMING LINOTYPE-BARS.

SPECIFICATION forming part of Letters Patent No. 562,560, dated June 23, 1896.

Application filed September 12, 1894. Serial No. 522,839. (No model.) Patented in England October 6, 1894, No. 8,258.

To all whom it may concern:

Be it known that I, MATTHEW HENRY WHITTAKER, a subject of the Queen of Great Britain and Ireland, and a resident of Kingston-upon-Hull, in the county of York, England, have invented certain new and useful Improvements in Means for Trimming Linotype-Bars, of which the following is a specification.

The invention has been patented in England, No. 8,258, dated October 6, 1894.

My invention is designed to trim and line up linotype-bars which have a two-line capital letter or large figure at one end, such as "W" in the word "WANTED." These two-line capitals or figures necessarily project from one side of the type-bar and would prevent it from passing between the parallel trimming or truing knives, through which all linotype-bars must necessarily pass.

To facilitate the passage of type-bars with a projecting capital or figure between the knives, a portion at one end of the knife and knife-block is cut away, leaving a space through which the projecting capital letter or figure may pass, and a short cutter, operated by means of a lever, and joined to the knife-block, fills up the space caused by cutting away the portion of knife, when required.

Referring to the drawings which form a part of this specification, Figure 1 represents a side elevation, Fig. 2 a plan, and Fig. 5 an end elevation, of a linotype-bar having the two-line capital. Fig. 3 represents a plan, and Fig. 4 an end elevation, of a linotype-bar upon which a space B is left clear of type to allow the projection over it of the lower part of the two-line capital A. Fig. 3^a is a perspective view of the bars of Figs. 2 and 3 arranged in their proper relative positions. Fig. 6 is an end view where two lines of type are represented as placed together. Fig. 7 represents a front elevation of a knife and knife-block which are adapted according to my improvements to be employed in a linotype-machine for the purpose described. Fig. 8 represents a similar view to Fig. 7, with a bar of type K J passing the knife F F and the

jointed cutter and lever removed. Fig. 9 is a side elevation of the same parts as are represented in Fig. 7. Fig. 10 represents a transverse section of knife-block and knife at the line *xx* in Fig. 7.

Similar letters refer to similar parts in all the drawings.

In the linotype-bar the two-line capital letter or figure is represented at A. The space left in the second line of type is shown at B, and C C are shallow ribs which are trimmed by the knife. The knife-block is represented at G G, to which is fixed the knife F F, which has its cutting edge at D D. The jointed cutter D' moves with the shaft E, to which it is keyed, and is operated by means of the hand-lever H. This cutter is shown in dotted lines, Fig. 9, as opened away from the knife F F to allow the passage of a type-bar upon which is formed a double-line projecting capital, such as is shown at A in Fig. 8. When closed up, the cutter D' forms a continuation of the knife F F for trimming ordinary type-bars which have no projecting capitals. The spiral spring L retains the hand-lever H in the position to which it is placed.

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

1. A knife-block for a linotype-machine having a knife-edge for the main part of the type-bar and a movable section adapted to be thrown out of action when the cutter acts upon the type-bars having lateral projections at their ends.

2. A knife for a linotype-machine having a knife-edge including a hinged or pivoted section with means for throwing the same out of action, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

MATTHEW HENRY WHITTAKER.

Witnesses:

T. P. COOKE,
P. W. MORTON.