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F. F. W. OLDFIELD.

MOLD FOR THE PRODUCTION OF BASE BLOCKS FOR MOUNTING PRINTING BLOCKS.

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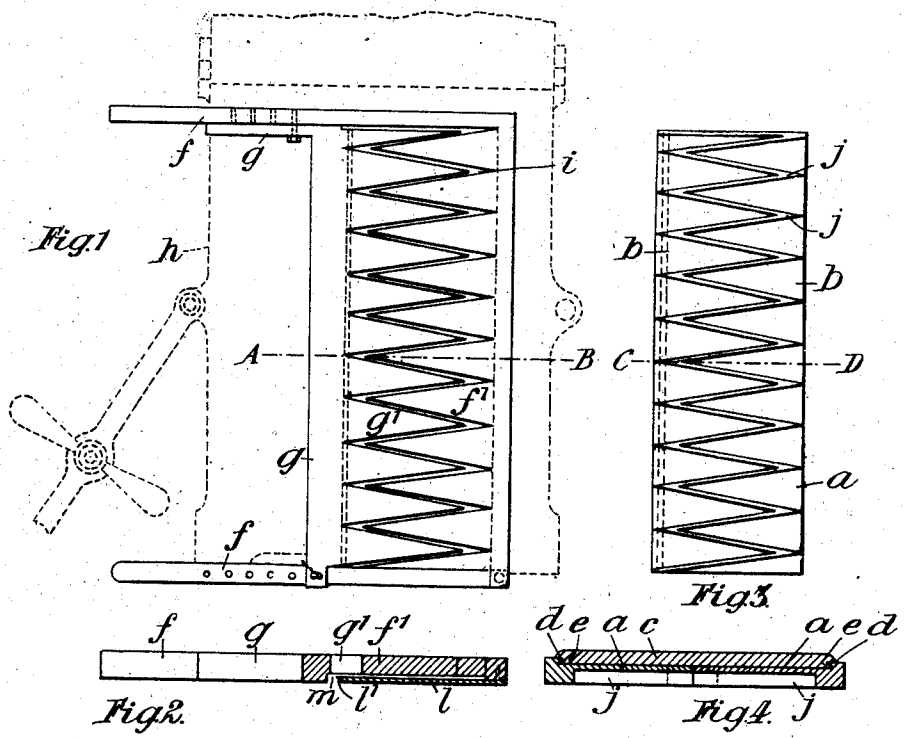

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MOLD FOR THE PRODUCTION OF BASE-BLOCKS FOR MOUNTING PRINTING-BLOCKS.

No. 878,663. Specification of Letters Patent. Patented Feb. 11, 1908.

Application filed July 17, 1905. Serial No. 270,136.

To all whom it may concern:

Be it known that I, FRANCIS FRAPPELL WASHINGTON OLDFIELD, a subject of the King of Great Britain and Ireland, residing at 167 Loughborough road, Brixton, London, England, master printer, have invented certain new and useful Improvements in Molds for the Production of Base-Blocks for Mounting Printing-Blocks.

This invention relates to electrotypes, stereotypes, and other printing surfaces and the mounting thereof, and has for its object to provide means for the more expeditious mounting of stereotype plates and other printing surfaces without the necessity of the use of ordinary mounting blocks.

According to the invention I mount the stereotype, electrotype plate, or other printing surface, upon a base of stereotype metal or the like, cast of a size corresponding to the size of the printing surface which is to be mounted upon it, the base being provided with lateral inclined edges, by means of which the opposite edges of the printing plate may be engaged, or by means of which undercut edges on the under-face of the printing plate may be engaged.

The invention is illustrated in the accompanying drawings, in which

Figure 1 represents a plan of the gages employed for the production of a mounting block or base according to the invention, the gages being shown disposed upon a casting box which is indicated in dotted lines. Fig. 2 is a cross section on the line A—B of Fig. 1. Fig. 3 is an underplan of a mounting block or base produced according to the invention. Fig. 4 is a cross section on the line C—D of Fig. 3, but showing two bases juxtaposed for holding between and upon them a flat stereotype printing plate.

In the production of the base *a*, I form the underside with recesses *b*, by which a minimum amount of metal may be used, and I advantageously form the base *a* for any one printing surface *c* of two lateral parts *a a* (Fig. 4), at the outer edges of each of which I provide a dove-tail engaging edge *d* for engaging a corresponding lateral edge *e* on the underface or underside of the printing plate, so that when the printing plate *c* is placed upon the base parts *a a* and the base parts drawn together, the respective holding edges *d* and *e* will engage and thus firmly hold the printing plate upon the base, which may only be released on drawing the respective parts of the base away from each other.

For the production of the base parts *a a* I preferably provide the usual gages *f g* in the casting box *h* with intermeshing projections *g' f'* by which a zig-zag or other shaped recess *i* is formed for the production of a zig-zag or other rib or web *j* of metal upon the underside of the base, the web extending however to the edge of the plate so as thus to form a substantial abutting surface by which the base may be firmly and fixedly secured within the chase or frame.

For the purpose of providing the dove-tail shaped lateral edge upon the base, I provide the underplate *b*, which is fixed to the cross bar of the gage *f* and extends to a distance short of a recess *m* formed in the underface of the intermeshing projections *g' f'*. In the recess between the plate *f* and the intermeshing projections *g' f'* sufficient space is left for a uniform and sufficient thickness of metal to form the main part of the base, and the outer edge *b'* of the plate *l* is beveled and reaches a distance short of the edge of the recess *m* so as to form the holding edge *d*.

It will of course be understood that the base parts provided according to the invention may be provided of varying width and of dimensions and form corresponding to the printing plate that is to be mounted upon or between them.

The invention is especially applicable to the mounting of flat stereotype plates, but it is applicable to curved plates or "turtles", and generally to the mounting of printing surfaces other than letter-press.

It will be understood that the base plate may be provided with ribs of a different shape to that hereinbefore described, and the mounting base or block may be produced by any suitable apparatus without departing from the invention.

What I claim as my invention and desire to secure by Letters Patent is:—

1. An apparatus for the production of base blocks for mounting stereotype, electrotype and other printing blocks consisting in the combination of gages formed with intermesh-

ing projections and a beveled underplate which is attached to one of the gages for the purpose substantially as described.

2. An apparatus for the production of base blocks for mounting printing blocks consisting in the combination of gages formed with intermeshing projections and an underplate attached to one of the gages terminating a distance over a second gage.

In testimony whereof I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

F. F. W. OLDFIELD.

In the presence of—
WILLIAM EDWARD GRANT,
GEORGE EDGAR HUNT.