

(No Model.)

A. KAYSER.

APPARATUS FOR TRIMMING STEREOTYPE BLOCKS.

No. 513,330.

Patented Jan. 23, 1894.

Fig. 1

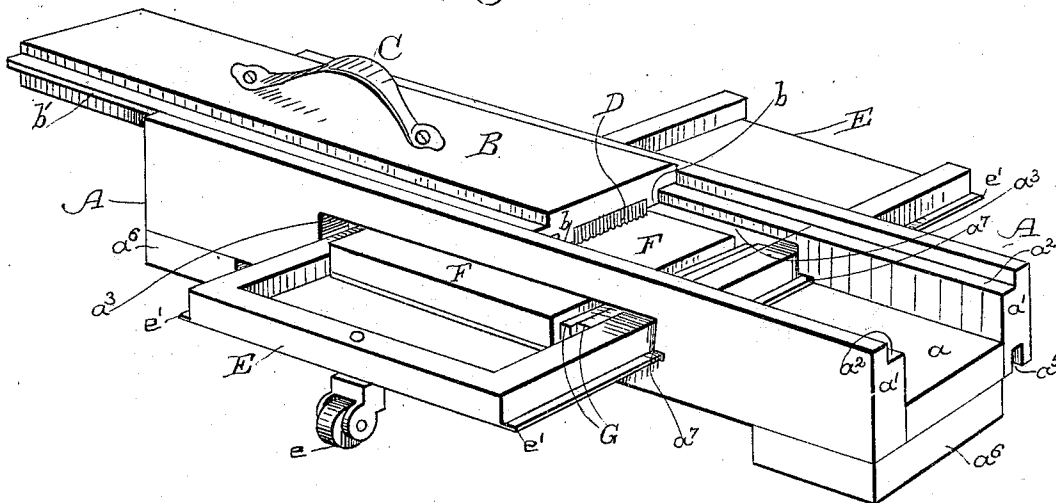
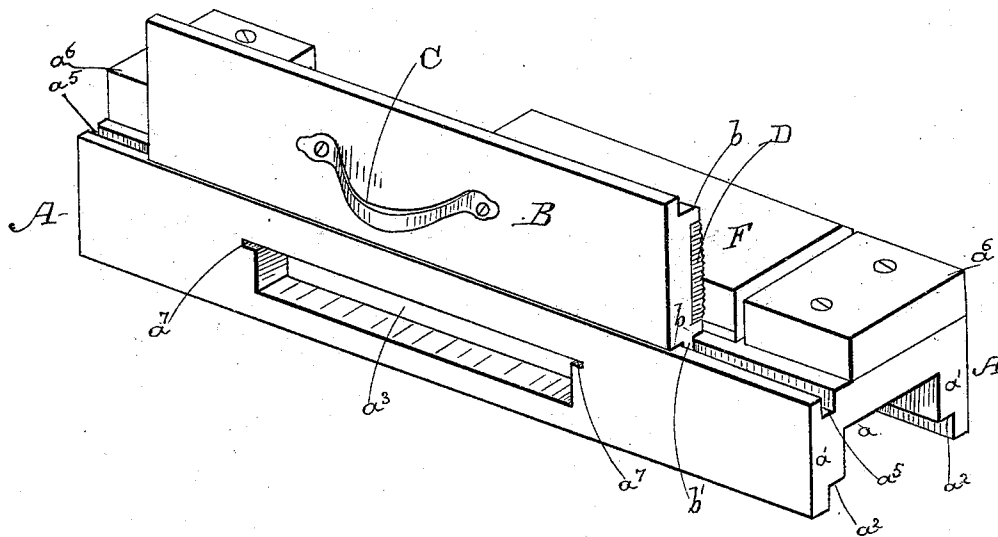


Fig. 2



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APPARATUS FOR TRIMMING STEREOTYPE-BLOCKS.

SPECIFICATION forming part of Letters Patent No. 513,330, dated January 23, 1894.

Application filed June 22, 1893. Serial No. 473,525. (No model.)

To all whom it may concern:

Be it known that I, ALBERT KAYSER, a citizen of the United States, residing at Oakland, Alameda county, State of California, have invented an Improvement in Apparatus for Trimming Stereotype-Blocks; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to the general class of devices for trimming stereotype blocks, and it consists in the novel apparatus which I shall hereinafter describe and claim, the object of which is to provide simple, practicable, and efficient means for trimming stereotype blocks type-high.

It also consists in the novel construction and arrangement of parts, by which the block is securely held in the apparatus, whereby its back may be trimmed to reduce it to type-high, and whereby also its edges and ends may be trimmed, thereby providing for trimming the block all around.

Referring to the accompanying drawings for a more complete explanation of my invention,—Figure 1 is a perspective view of my apparatus, showing it in working position to reduce the block type high. Fig. 2 is a view showing it reversed for the trimming off the sides and ends of the block.

A is the frame or stock of the apparatus. It is provided with a longitudinal bed or channel *a* bounded by side walls *a'*, the tops of which are formed with rabbets *a''*.

B is a holder for the trimming file. It is provided with side rabbets *b* which accurately fit the rabbets *a''* of the side walls, thereby enabling the file-holder to be moved back and forth in the frame or stock. To effect this movement conveniently, the file-holder is provided with a handle C.

D is the file which is properly secured in the under side of the file-holder. The height of the rabbets *a''* forming the bearing on which the file-holder is moved back and forth, is accurately regulated to cause the file to lie just type-high above the base of the bed or channel in the stock. It is, therefore, evident that if a stereotype block be placed within this bed or channel and properly held therein, the file will trim off its back, so as to re-

duce said block to the proper thickness, or in other words type-high.

Any suitable means may be provided for holding the block in the stock. The means I prefer are as follows:—E is a galley which may represent any box or frame. This is adapted to be passed transversely of the bed or channel of the stock by passing through elongated openings *a'''* in the side walls of said stock. In order to hold the galley or box level in its movement in the stock, I mount a small swivel wheel or caster *e* on the outer end of said galley or box which bears upon the table on which the apparatus is mounted. The stereotype block F is firmly secured in position within the galley by any suitable means, as, for example, by means of the quoins G which firmly lock it in place. Now, when the galley, with its locked block F, is slipped into the stock, so that the block lies in the channel thereof, the reciprocation of the file over the back of the block will reduce it to type-high.

In order to provide for trimming the sides and edges of the block, I make on the under side of one side of the stock A groove *a⁵*. Upon one edge of the file-holder is formed a tongue *b'* which fits into said groove *a⁵*. The bottom of the stock is also provided with end blocks *a⁶* which, when the stock is right side up, serve as supports or legs, but which, when the stock is inverted, will serve as stops against which the stereotype block may be fitted and held while the file is reciprocated against its side or edge thereby trimming these surfaces. This use of the apparatus I have shown in Fig. 2.

This apparatus is intended for use in ordinary printing offices wherein it is often necessary in order to use a stereotype block to trim it slightly. These blocks, becoming wet, swell, and must be reduced to type-high, and frequently their edges have also to be trimmed.

This apparatus can readily be manipulated and is inexpensive enough to be used in any office.

In order to hold the galley E steady and to prevent it from having any tendency to rise under the action of the file on the block, I

secure flanges e' to the sides of the galley and these slide in grooves a' in the ends of the openings a^3 . Thus the galley and its block are held steady, under the action of the file.

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

1. An apparatus for trimming stereotype blocks, consisting of a reversible stock having a bed in which the stereotype block is secured, and a detachable and movable holder and file secured thereto, mounted in the top of the stock in such position that the file will come in contact with the stereotype block, and reduce it to the proper thickness or type-high, substantially as herein described.

2. An apparatus for trimming stereotype blocks consisting of a reversible stock having guides on opposite sides, and a central channel or bed in which the stereotype block is secured, a detachable and slidable holder provided with a file for reducing the block and having means engaging the guides or channels of the stock whereby the holder may be reciprocated in the stock with its file in contact with the block.

3. An apparatus for trimming stereotype blocks consisting of a stock having a channel or bed with side openings communicating therewith and side walls in which said openings are formed, a sliding holder with attached file operating in the top of the walls of the stock, and a box or frame adapted to carry the stereotype block and to pass transversely through the side openings of the channel or bed of the stock whereby the block is held therein under the reciprocating file and is reduced type-high, substantially as herein described.

4. An apparatus for trimming blocks, consisting of a stock having a groove on one side, a reciprocating holder detachably fitted to said stock and having a tongue engaging said groove, said holder adapted to stand on edge

and provided with a file for trimming the edges of the block supported upon the stock.

5. An apparatus for trimming stereotype blocks, consisting of a reversible stock having upon one side a groove, a detachable holder having a tongue fitting the groove of the stock, a file carried by said holder and adapted to trim the edges of the stereotype block supported upon the stock, and stops on said stock against which the block may be held, substantially as herein described.

6. An apparatus for trimming stereotype blocks consisting of a channeled stock provided with side walls having top rabbets, and a bottom groove, a file-holder having rabbets adapted to fit the rabbets of the side walls of the stock, and a side tongue adapted to fit the bottom groove of said stock, and a file carried by said holder, substantially as herein described.

7. An apparatus for trimming stereotype blocks consisting of a channeled stock provided with side walls having top rabbets and a bottom groove, a file-holder having rabbets adapted to fit the rabbets of the side walls of the stock, and a side tongue adapted to fit the bottom groove of said stock, a file carried by said holder, and the means for holding the stereotype block in the stock, consisting of the box or galley adapted to be fitted in to the stock under the file, substantially as herein described.

8. The combination of the channeled stock with the openings in its side walls, the reciprocating file holder and file, and the transversely movable galley fitting the openings and having flanges engaging grooves therein, substantially as herein described.

In witness whereof I have hereunto set my hand.

ALBERT KAYSER.

Witnesses:

S. H. NOURSE,
J. A. BAYLESS.