

(No Model.)

G. W. HARBON.
PRINTER'S BLOCK.

No. 421,929.

Fig. 1. Patented Feb. 25, 1890.

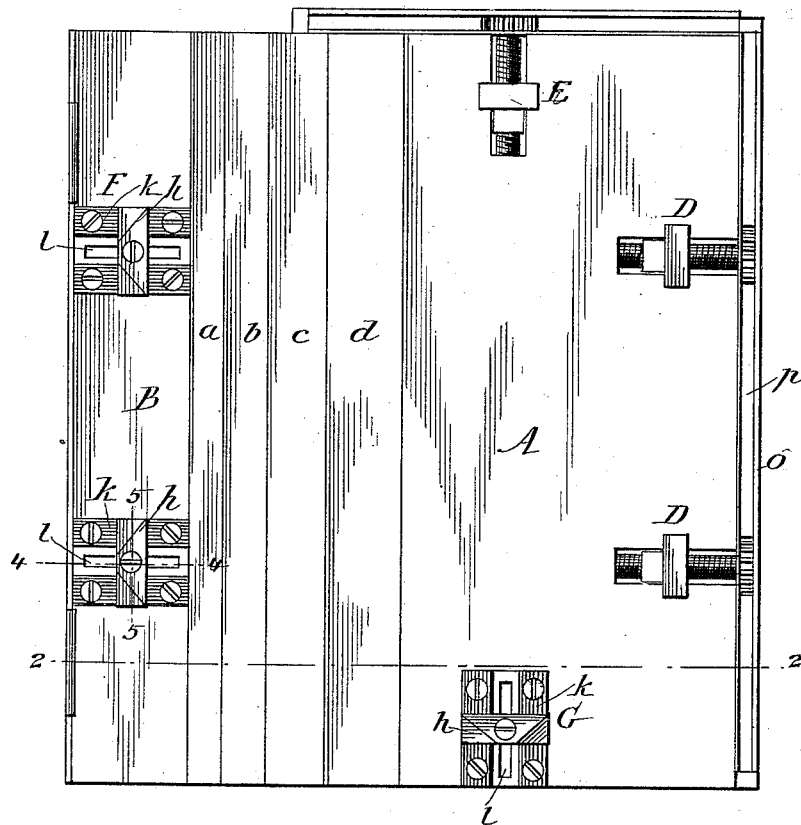


Fig. 2.



Fig. 3.

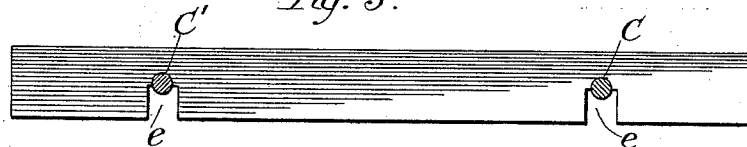
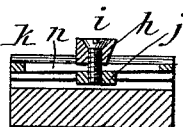
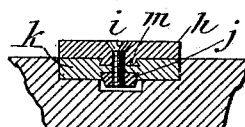


Fig. 4.



Witnesses:
Albert H. Adams.
Harry F. Jo.

Fig.5.



Inventor:
Harbon

UNITED STATES PATENT OFFICE.

GEORGE W. HARBON, OF ENGLEWOOD, ILLINOIS.

PRINTER'S BLOCK.

SPECIFICATION forming part of Letters Patent No. 421,929, dated February 25, 1890.

Application filed March 16, 1889. Serial No. 303,547. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. HARBON, residing at Englewood, in the county of Cook and State of Illinois, and a citizen of the United States, have invented a new and useful Improvement in Printers' Blocks, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a plan. Fig. 2 is a section at line 2 of Fig. 1. Fig. 3 is a side view of one of the removable strips. Fig. 4 is a detail, being a section at line 4 of Fig. 1. Fig. 5 is a detail, being a section at line 5 of Fig. 1.

My invention relates to blocks adapted to receive different sizes of electrotypes or other plates used in printing; and it consists in providing the block with one or more removable strips which extend the whole length of the block, devices for holding the several parts of the block together, and sliding clamps to engage the edges of the plate on all sides, and in improving the construction of a portion of the sliding clamps, as illustrated in the drawings and hereinafter fully described. That which I claim as new will be pointed out in the claim.

In the drawings, A B represent the two principal parts of the block.

30 *a b c d* are four removable strips, placed between the parts A B. Each of these strips is provided with two notches *e* (see Fig. 3) on its under side. The part A is provided with two holes, one of which *f* is shown in
35 Fig. 3 and with two nuts, one of which *g* is shown.

C is a screw which passes through the part B; also through the notches in the blocks *a b c d* and into the nut *g*.

40 *C'* is another screw similar to *C*.

By removing one or more of the strips *a b c d* the width of the block can be varied.

D are two sliding catches upon one side of the block A, which are adapted to be moved
45 in the usual manner.

E is another sliding catch similar to the catches *D* and operated in the usual manner.

h is a sliding block.

i is a screw which passes through the block *h*.

j is a nut upon the lower end of the screw *i*. 50

k is a plate secured to the part B. This plate *k* is provided with a slot *l*, through which the screw *i* passes, and it has a dovetailed groove in its upper side, which receives a downward projection *m* from the block *h*. 55 Such plate also has a similar groove in its under side to receive the nut *j*. The metal which forms each side wall of the slot is inclined a little from its outer end to its inner end. One of these inclined pieces *n* is shown 60 in Fig. 4. The sliding block *h*, together with the screw *i* and nut *j*, form in effect a sliding clamp or catch, which can be adjusted in the slot *l* and be held in any adjusted position by tightening the screw. By making the walls 65 of the slot inclined, as shown, the sliding clamp, when secured in place by the tightening of the screw, will be held more firmly in place than if the walls of the slot were straight, the inclination of the walls having 70 a tendency to prevent the backward movement of the clamp.

There is another sliding clamp *F*, connected with the piece B, the construction of which is the same as that of the sliding clamp 75 already described. There is also another similar sliding clamp *G* on one end of the piece A.

o is a piece of metal provided with a groove *p* to receive a comb for operating the slides 80 *D*. There is a similar device on the upper end of the piece A.

Electrotypes and other plates for printing of various sizes can readily be used with a single block, such as I have described, be- 85 cause by removing one or more of the removable strips the width of the block can be materially changed and the sliding clamps *E G* can be adjusted to plates of different sizes. By means of the sliding clamps connected 90 with the piece B, and the sliding clamp *G* in connection with the other three clamps *D* and *E*, which are in common use, the margins can be greatly varied in books of different sizes, and the use of a large amount of furniture 95 can be dispensed with.

The two blocks A B and the intermediate strips can all be clamped together by means

of the screws C C', and either one or more of the intermediate strips can readily be removed by loosening these screws.

What I claim as new, and desire to secure
5 by Letters Patent, is as follows:

A receiving-block for plates of different sizes, consisting of two sections A B, one or more removable strips located between the

sections A B, in combination with screws C C', and adjustable slides or catches on both sides and on both ends of the block, substantially as and for the purposes specified.

GEORGE W. HARBON.

Witnesses:

ALBERT H. ADAMS,
HARRY T. JONES.

Correction in Letters Patent No. 421,929

It is hereby certified that the name of the patentee in Letters Patent No. 421,929 granted February 25, 1890, for an improvement in "Printer's Blocks," was erroneously written and printed "George W. Harbon," whereas said name should have been written and printed *George W. Harbou*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 25th day of March, A. D. 1890.

[SEAL.]

CYRUS BUSSEY,

Assistant Secretary of the Interior.

Countersigned:

C. E. MITCHELL,

Commissioner of Patents.