

(No Model.)

A. T. THAYER.
PRINTER'S FURNITURE.

No. 462,960.

Patented Nov. 10, 1891.

Fig. 3.

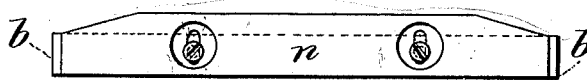
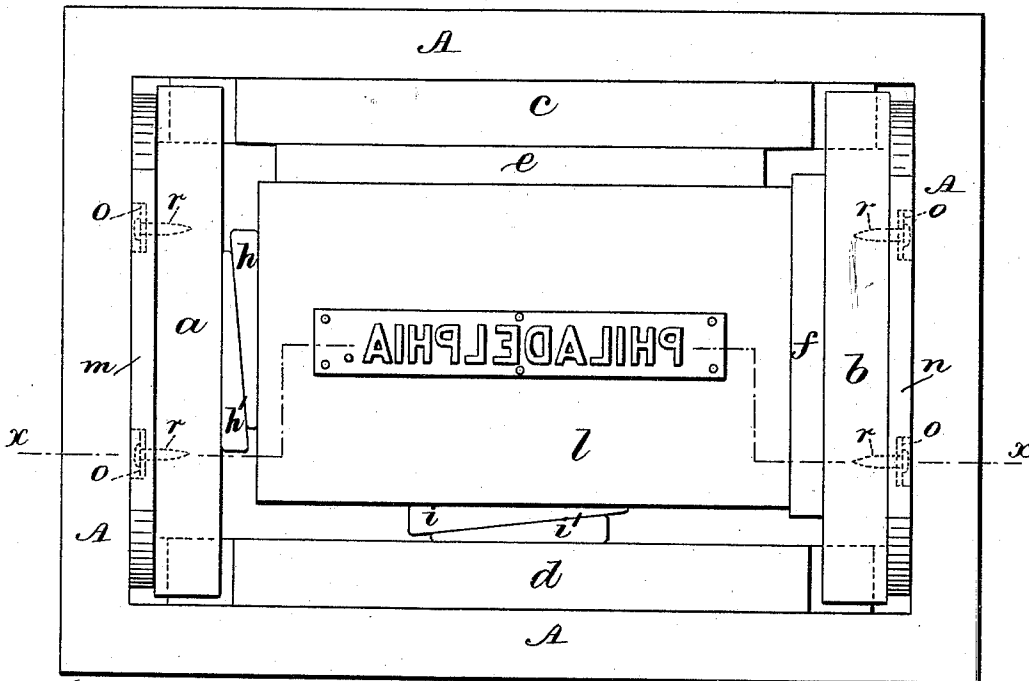


Fig. 2.



Fig. 1.



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UNITED STATES PATENT OFFICE.

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PRINTER'S FURNITURE.

SPECIFICATION forming part of Letters Patent No. 462,960, dated November 10, 1891.

Application filed June 29, 1891. Serial No. 397,809. (No model.)

To all whom it may concern:

Be it known that I, ANDREW T. THAYER, a citizen of the United States, residing at the city, county, and State of New York, have invented a new and useful Improvement in Printers' Furniture, of which the following is a specification.

In printing operations the soft inking-rollers in passing over the face of the type frequently ink more than said face in such manner that the impression upon the paper is imperfect. Guides have heretofore been employed in the chase and between the end pieces of the frame and the chase and over which the rollers pass in inking, so that only the surface of the type is properly inked; but these guides were separate from the furniture necessarily employed and they were liable to be lost or misplaced, and their use by workmen could not be insured or depended upon.

My invention consists in guide-bars connected permanently and adjustably to the end pieces of the printer's furniture or to the end pieces of a frame of printer's furniture adapted to set within the chase. These guide-bars are of the same depth as the type or electrotypes-block and are to be set in line with the travel of the roller, and they are longer than the form of type, so as to insure the proper inking of the type-face by the rollers, and being permanently attached to the furniture they are always in position for use, and they cannot be thrown aside, lost, or misplaced, and being adjustably they assume their proper place in the chase in the locking up of the form in the usual manner regardless of the level or true position assumed by the furniture.

In the drawings, Figure 1 is a plan view of a chase and form illustrating the application of my invention. Fig. 2 is a cross-section at the line *x x*, and Fig. 3 is an end view of one guide-bar and its connected piece of furniture.

A represents the chase, which is of ordinary and usual construction.

a b c d represent the furniture or parts of a frame adapted to set within a chase.

e and *f* represent usual filling-pieces or quoins, and *h h'* and *i i'* wedges for locking up the form *l* of type or electrotypes.

m n represent my improved guide-bars, located

between the furniture-pieces *a b* and the chase A and permanently connected to said pieces *a b*, but adjustable in connection therewith. For this adjustable connection I have shown and prefer to employ the slotted plates *o* and attaching-screws *r*. The plates *o* are let into the face of the guide-bars, and said guide-bars are slotted to conform to the slotted plates *o*, through which the screws *r* pass. The heads of the screws *r* are received in the recesses in said guide-bars. These guide-bars *m n* correspond in depth with the type or electrotypes form, and the upper surfaces at the respective ends are beveled for the free passage of the inking-rollers. The guide-bars *m n* and the type or form *l* rest upon the base or table on which they are blocked up, and their relative positions will be unchanged even if the furniture-bars *a, b, c*, and *d* are not true and level. The fact that said guide-bars are permanently and adjustably connected to the furniture compels the one to be used with the other, and they cannot be used separately or misplaced or not used unless the furniture itself is not used. Thus good work is insured by the proper working of the inking-rollers.

I claim as my invention—

1. The combination, with the furniture-pieces and chase in a printer's form, of guide-bars having their upper surfaces at the level, or nearly so, of the printing-surfaces, and screws passing through slots for permanently and adjustably connecting the furniture-pieces and the guide-bars, substantially as specified.

2. The combination, with the printers' furniture-pieces *a b*, of the guide-bars *m n*, the slotted plates *o*, received in recesses in the faces of said bars, and said bars slotted to conform to the slots of said plates, and the attaching-screws *r* for connecting said bars and furniture together permanently and adjustably, substantially as and for the purposes set forth.

Signed by me this 24th day of June, A. D. 1891.

ANDREW T. THAYER.

Witnesses:

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