(No Model.)

L. W. HARDWICKE.

PRINTER'S CHASE.

No. 332,516. Patented Dec. 15, 1885.

Fig. 1.

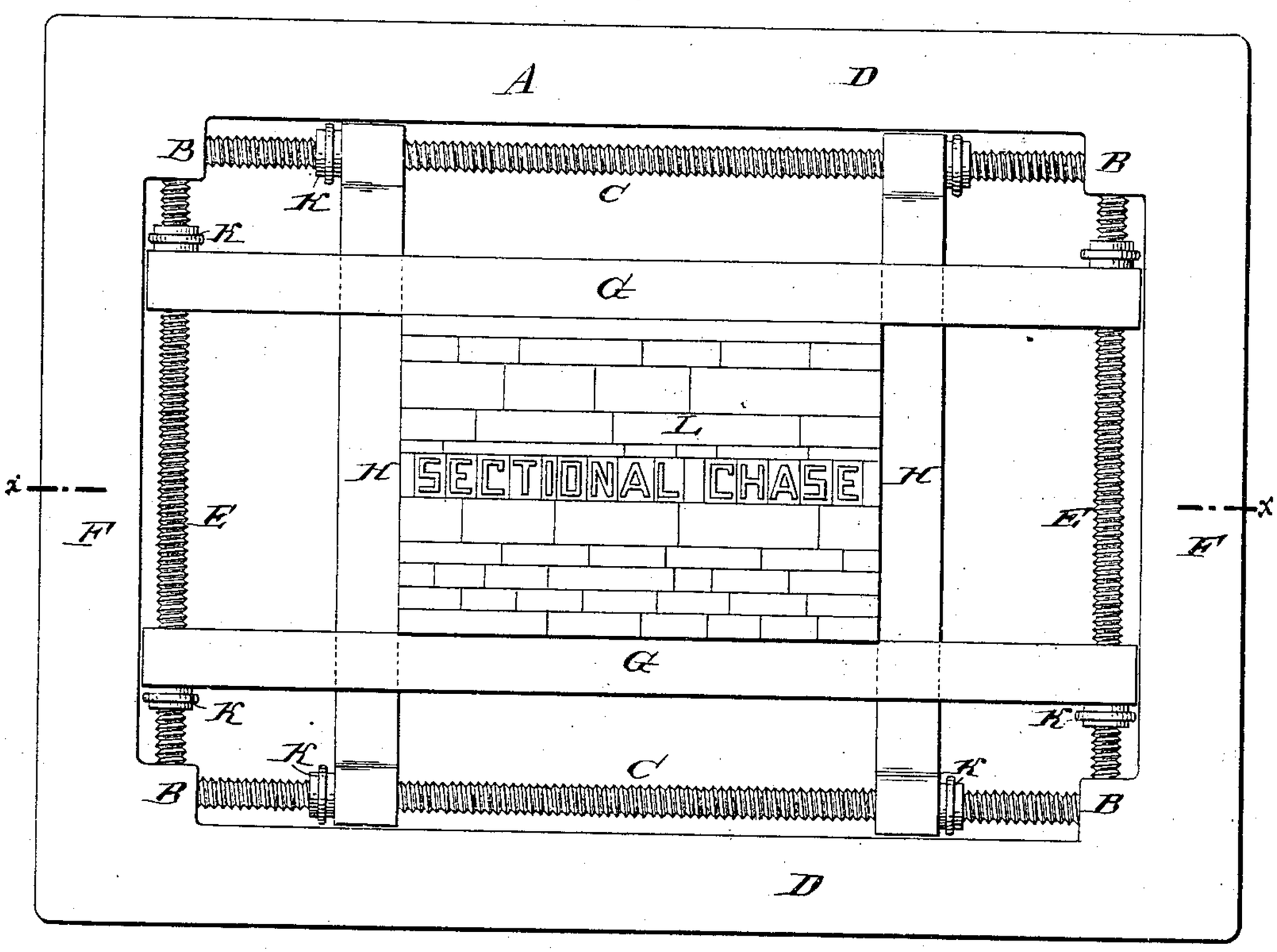
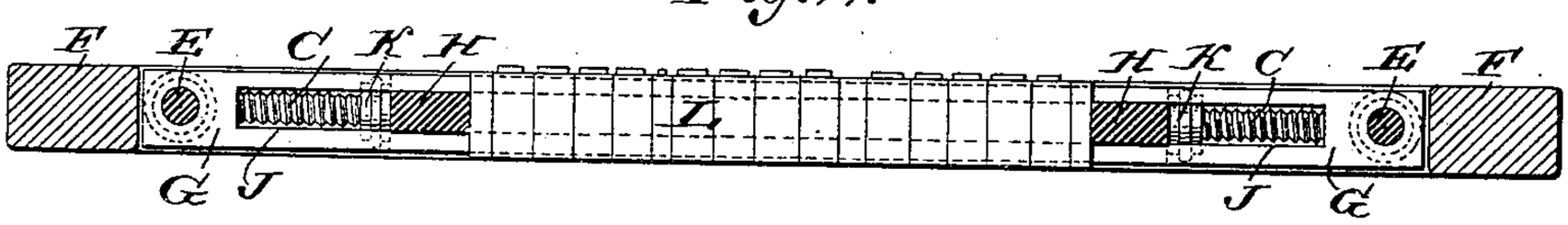


Fig. 2.



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

LAURISTON W. HARDWICKE, OF EAST SAGINAW, MICHIGAN, ASSIGNOR OF ONE-HALF TO FRANK TUREK, OF SAME PLACE.

PRINTER'S CHASE.

SPECIFICATION forming part of Letters Patent No. 332,516, dated December 15, 1885.

Application filed February 11, 1885. Serial No. 155,589. (No model.)

To all whom it may concern:

Be it known that I, LAURISTON W. HARDWICKE, of East Saginaw, in the county of Saginaw and State of Michigan, have invented a new and Improved Printer's Chase, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved printer's chase of simple construction, in which the type can be locked securely in a very short time and without the use of furniture, side-pieces, quoins, &c.

The invention consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improved chase. Fig. 2 is a longitudinal sectional elevation of the same on the line *x x* in Fig. 1.

The chase A is cast in one solid piece, and is provided with the internal corner-pieces, B, which are either cast with the chase or riveted to the same. In the cross-pieces B screws C are held adjacent to and parallel with the inner edges of the side bars, D, of the chase, and two screws, E, are held adjacent to and parallel with the inner edges of the end bars, F. The end screws, E, pass freely through transverse apertures in the ends of longitudinal bars G, parallel with the side bars, D, and the side screws, C, pass freely through transverse apertures in the ends of transverse bars H, parallel with the end bars, F. The longitudinal bars G are adapted to move toward and from the side bars, D, and the transverse bars H are adapted to move toward and from the end bars, F. The longitudinal bars G are provided with longitudinal slots J, extending from one side edge to the other, and through the said slots the cross-bars H pass, which have less thickness than the bars G, except at the end portions, the tops and bottoms of which are flush with the tops and bottoms of the bars G. The bars H can move freely in the slots J of the bars G. On each screw E F two nuts, K, are mounted and rest against the outer edges of the bars G and H at the ends.

The types L are placed on the bed and within the square or oblong formed by the bars G and H, and the said bars are pressed firmly against the edges of the types by turning the nuts K, thus locking the types in place and holding them securely.

The types can be locked very easily and rapidly, and no implements are required, except a key when the chase is very large.

The above described chase can be used on cylinder or platen presses.

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

1. The combination, with a chase, of a screw held adjacent to and parallel with the inner edge of each side and end bar, movable longitudinal and transverse bars having apertures in the ends through which the screws are passed, and of nuts on the screws adjacent to the outer edges of the said bars, substantially as herein shown and described.

2. The combination, with the chase A, of the screws C E, the movable longitudinal bars G, having longitudinal slots, the transverse bars H, passed through the slots J of the bars G, and of the nuts K on the screws, substantially as herein shown and described.

LAURISTON W. HARDWICKE.

Witnesses:

JOHN W. BELLING,

JAY W. SUTTON.