

J. N. Murray Printers' Chase.

Fig. 2. N^o 66514.

Patented Jul. 9. 1867.

Fig. 1. x

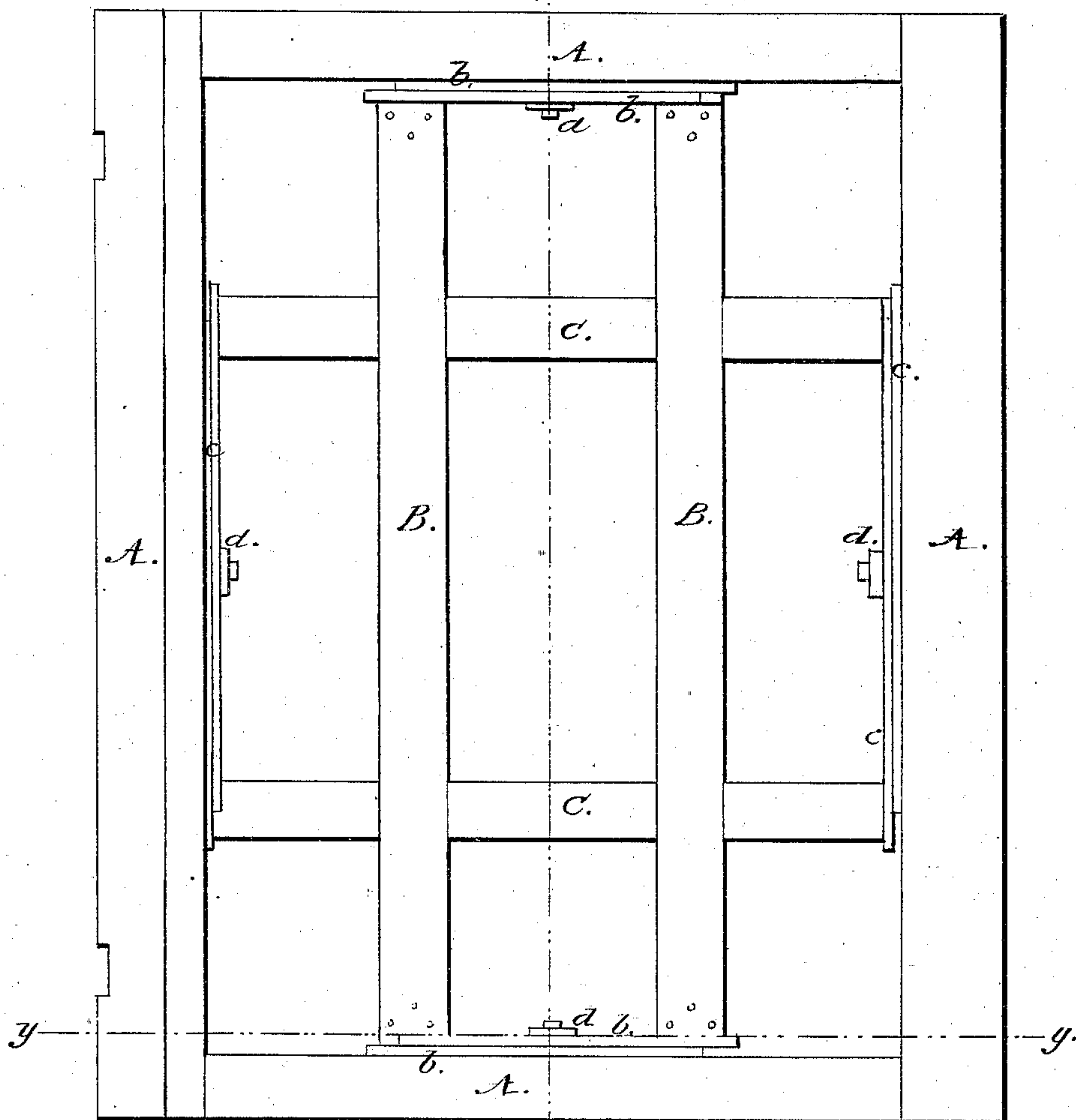
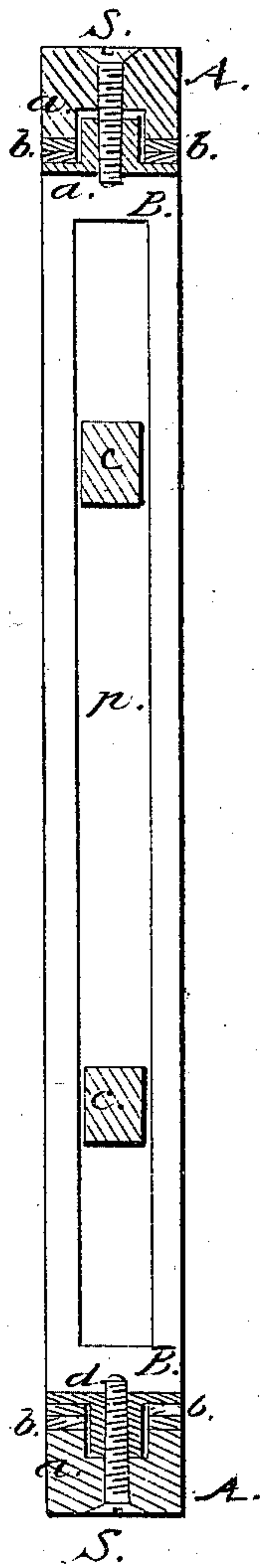
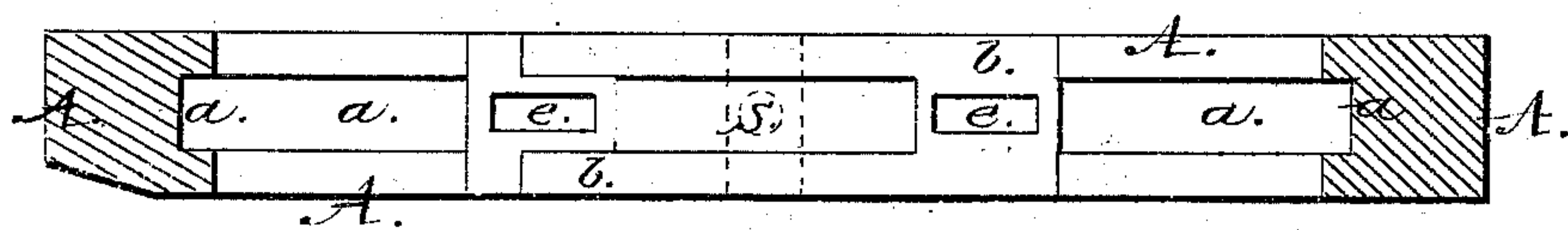


Fig. 3.



Witnesses;

W. E. Mann

Wm Burns

Inventor;

John N. Murray

United States Patent Office.

JOHN N. MURRAY, OF CHICAGO, ILLINOIS.

Letters Patent No. 66,514, dated July 9, 1867.

PRINTERS' CHASE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN N. MURRAY, of Chicago, in the county of Cook, and State of Illinois, have invented a new and useful improvement in Printers' Chase; and I do hereby declare and make known that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters and figures marked thereon, which form part of this specification.

My invention consists in arranging, in combination with the stationary frame, an adjustable sliding-frame, supported in suitable grooves, so that forms of any size may be firmly secured in the chase by means of set-screws acting upon the adjustable frame aforesaid, thus dispensing with all the furniture, quoins, &c., which are necessary in a printers' chase of the ordinary construction.

To enable those skilled in the art to understand how to construct and use my said invention, I will now proceed to describe the same with particularity, making reference, in so doing, to the aforesaid drawings, in which—

Figure 1 represents a plan or top view of my invention.

Figure 2, a sectional view, taken at *x* in fig. 1; and

Figure 3, a sectional view, taken at *y* in fig. 1.

Similar letters of reference in the different figures denote the same parts of my invention.

A represents the exterior frame, which is provided upon its interior faces with a longitudinal groove marked *a*, extending entirely around the chase. B B represent two parallel bars, whose ends rest in the aforesaid grooves in the ends of the frame A; and C C are similar bars, arranged at right angles with B B, their ends resting in the grooves in the sides of the chase. These bars pass through suitable openings *e* in the slides *b b* and *c c*, and are thus securely attached to said slides, so that when the bars are respectively moved nearer together or farther apart, as may be desired, said slides move one upon the other, in opposite directions, at the same time. At the centre of each side and end there is arranged a shoulder or clasp, marked *d*, connected with a screw, S, passing through the frame A, so that, by turning said screw, the clasp *d* presses firmly upon the slides and renders them immovable, and thus adjusts and secures the bars B C in any desired position, whereby a form of type of any required size may be firmly and securely locked in the chase, by simply moving the said bars up to the form and securing them by means of the set-screws. The said slides have longitudinal slots opening at their inner end, to permit them to slide upon and by the clasps *d*, as seen in fig. 3.

Having described the construction and operation of my invention, I claim, and desire to secure by Letters Patent—

The combination and arrangement of the frame A, the bars B C, and slides *b c*, and clasp *d*, and set-screws S, operating substantially as and for the purposes described.

JOHN N. MURRAY.

Witnesses:

W. E. MARRS,

WM. BURNS.