

(No Model.)

W. H. PRICE, Jr.

CHASE HOOK FOR PRINTING PRESSES.

No. 361,237.

Patented Apr. 12, 1887.

Fig. 1.

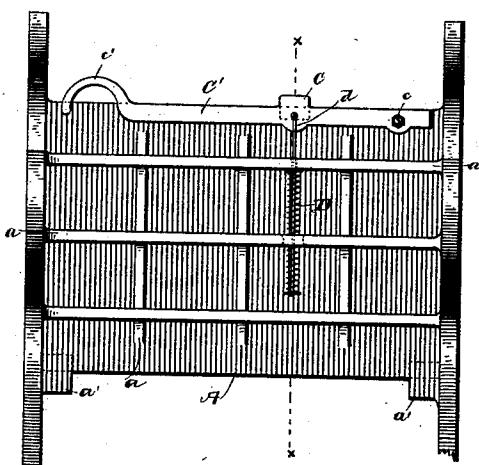


Fig. 2.

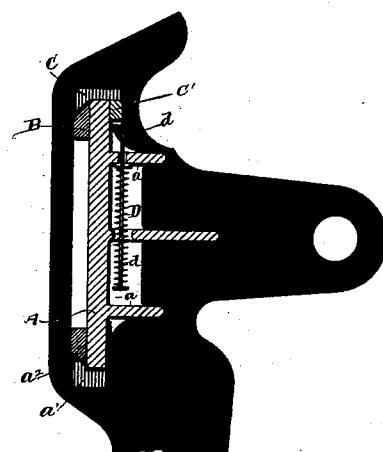
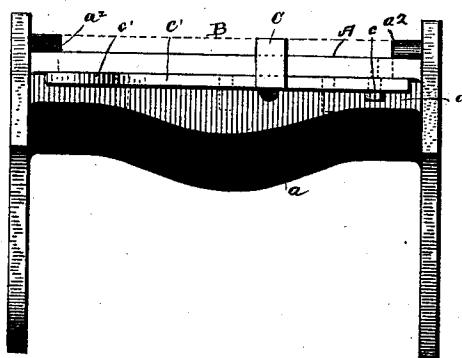


Fig. 3.



WITNESSES

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WILLIAM H. PRICE, JR., OF CLEVELAND, OHIO, ASSIGNOR TO CHANDLER & PRICE, OF SAME PLACE.

CHASE-HOOK FOR PRINTING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 361,237, dated April 12, 1887.

Application filed December 6, 1886. Serial No. 220,823. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. PRICE, Jr., of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Chase-Hooks for Printing-Presses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to improvements in chase-hooks designed for jobbing printing-presses of the platen variety; and it consists in certain features of construction and in combination of parts, hereinafter described, and pointed out in the claim.

With presses of the variety aforesaid the forms are frequently changed, sometimes many times a day. It is therefore a matter of considerable importance that the chase-hook for securing and releasing the form be so constructed and located that it can be quickly and easily operated. The chase-hooks heretofore in use, although of various forms and attachment, have been the source of general complaint on account of their being difficult of access and hard to operate, and, with some varieties that were operated with screws, slow of movement. I have therefore devised a chase-hook in which, although no radical change has been made in the state of the art, the handle of the hook is made convenient of access, and the construction is such that the hook is quickly and conveniently operative with one hand, leaving the other hand free to manipulate the form.

In the accompanying drawings, Figure 1 is a rear elevation of the bed, showing my improved chase-hook in position. Fig. 2 is an end elevation, partly in section, on the line *x*-*x*, Fig. 1. Fig. 3 is a plan.

A represents a bed of ordinary construction, the same being re-enforced on the rear side by ribs *a*, and having lugs *a'*, the latter having notches *a''*, made to fit the lower beveled edge of the chase *B*.

C is the chase-hook, the same being integral or rigidly attached to the lever *C'*. The hook is undercut to engage the upper beveled

edge of the chase when the latter abuts the 50 face of the bed. The lever *C* is pivoted at *c* to the rear side of the bed, and at the other end has a handle, *c'*, curved upward in the central part thereof, as shown, so as to extend above the top edge of the bed. The shank 55 of the hook extends across above the edge of the bed, and opposite the union of the hook and lever is attached to the latter a rod or wire, *d*, that extends down through holes made in the horizontal ribs and leading through the 60 coil-spring *D*, the latter abutting the under side of the upper rib, as shown. An opening is made in the next lower rib to allow the spring to pass through loosely. The rod *d* has a washer at the lower end, that forms a seat 65 for this end of the spring. If wires instead of a rod be used, the ends of the wire may be bent outward and upward to engage the lower end of the spring, and thus serve in place of a washer to form a seat for the lower end of 70 the spring. With this arrangement the spring is of course compressed, when the lever is elevated, by tilting the latter. The ink-disk above (not shown) being round, does not cover the handle *c'* of the chase-hook lever, leaving 75 the handle conveniently accessible, as it is located near one side of the machine. The upward curve of the handle admits the fingers of the operator being introduced from the rear side underneath the handle, while at the 80 same time the operator may rest the end of his thumb on the adjacent edge of the bed, the position being such that the lever and attached hook are easily raised or steadily lowered.

The spring *D* is of sufficient stiffness to hold the hook in place, securing the chase; but by means of the location of the spring in the central part of the lever the leverage in favor of the operator is such that, as aforesaid, the device is easily manipulated, leaving one hand of the operator free to manage the chase.

What I claim is—

In a platen printing-press, the combination, with a bed and chase of ordinary construction, of a chase-hook and lever, the two parts being made integral or rigidly connected, the lever being pivoted to the rear side of the bed,

near the one side of the latter, an upwardly curved handle located near the other end of the lever, and a spring for depressing the lever and connected with the latter, preferably opposite the hook attachment, the parts being arranged substantially as described, and for the purposes set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 17th day of November, 1886.

WILLIAM H. PRICE, JR.
Witnesses:
GEO. W. KING,
H. T. CHANDLER.