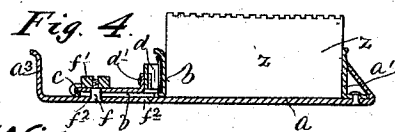
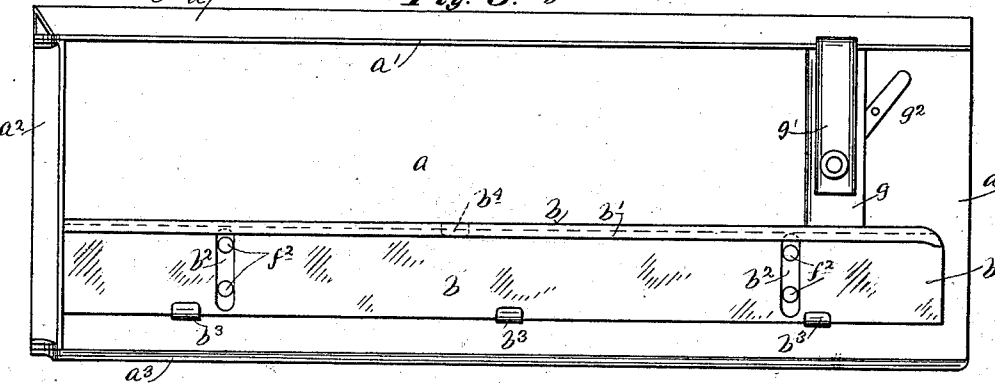
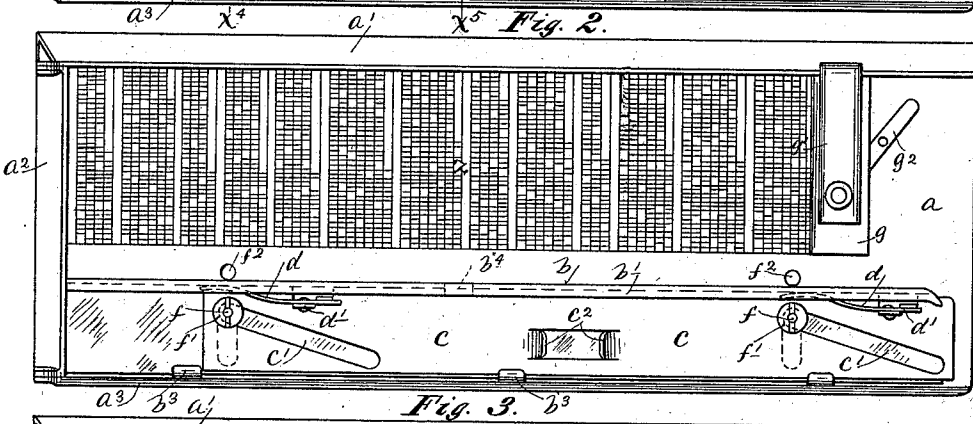
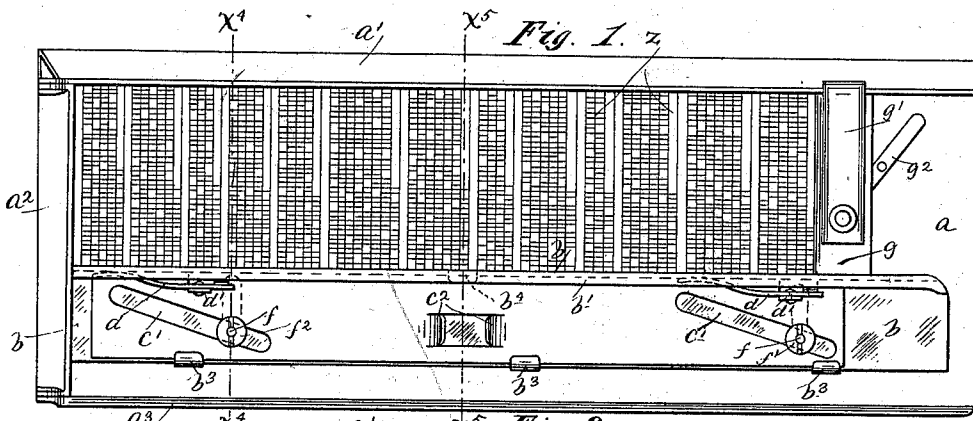


(No Model.)

E. L. HOLMES.
PRINTER'S GALLEY.

No. 560,717.

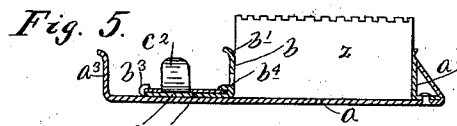
Patented May 26, 1896.



Witnesses.

C. F. Kilgore,

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Inventor.

Edward L. Holmes.

By his Attorney.

Jas. F. Williamson

UNITED STATES PATENT OFFICE.

EDWARD L. HOLMES, OF MINNEAPOLIS, MINNESOTA.

PRINTER'S GALLEY.

SPECIFICATION forming part of Letters Patent No. 560,717, dated May 26, 1896.

Application filed February 24, 1896. Serial No. 580,395. (No model.)

To all whom it may concern:

Be it known that I, EDWARD L. HOLMES, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Printers' Gallies; 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 appertains to make and use the same.

My invention relates to printers' galleys, and has for its object to provide a galley of extremely simple construction and corresponding low cost, and which at the same time will be efficient in its action.

To these ends my invention comprises the novel devices and combinations of devices hereinafter described, and defined in the claims.

The preferred form of my invention is illustrated in the accompanying drawings, wherein, like letters referring to like parts throughout the several views—

Figure 1 is a plan view of the galley constructed in accordance with my invention, the parts of the same being shown as applied to and holding in alinement a column of "linotypes." Fig. 2 is a similar view to Fig. 1, except that the laterally-movable side, or presser-bar and its attachments, is shown in its retracted position. Fig. 3 is a plan view corresponding to Fig. 1, except that the linotypes and portions of the laterally-movable side are removed. Fig. 4 is a transverse vertical section taken on the line $X^4 X^4$ of Fig. 1, and Fig. 5 is a transverse vertical section taken on the line $X^5 X^5$ of Fig. 1.

$a a' a^2$ indicate the body of the galley, of which a is the bottom plate or bed, a' the longitudinal rear wall, and a^2 the left end wall of the same. As shown, both the side wall a' and end wall a^2 are triangular in cross-section, and are rigidly secured to the bed-plate a by means of rivets. As shown, the forward edge of the bed-plate a is turned up to form a longitudinal reinforcing-rib a^3 . The laterally-movable side wall of the galley is mounted parallel to the rear wall a' and works just inward of the flange or rib a^3 . Of the parts of this laterally-movable side wall, b indicates a presser-bar, which, as shown, is L-shaped

in cross-section and has its upper edge bent rearward on a curve, as shown at b' , to form a guide for insuring the fall of the linotypes z into position between the walls of the galley. This presser-bar b is also provided with transverse slots b^2 , which extend through the body of the same at a right angle to its operative face, and has inturned keeper-lugs $b^3 b^4$, which are shown as struck up from the body of the same.

c indicates the cam-slide, which is mounted for longitudinal movement between the keeper-lugs $b^3 b^4$ of said presser-bar b . Preferably, the slide c is of such dimension in cross-section that it will also be free for a slight lateral movement between said keeper-lugs b^3 and b^4 , and the said bar c is normally held in its extreme forward position with respect to the presser-bar b against the keeper-lugs b^3 by means of spring devices. As shown, these spring devices comprise flat springs d , the fixed ends of which are secured to lugs d' , formed rigid with the cam-slide c , and having their free ends in frictional engagement with the forward side of the vertical portion of said presser-bar. The cam-slide c is also provided with inclined cam-slots c' , and preferably with finger-pieces c^2 .

f indicates cam-studs which are adapted to work through the slots b^2 and c' of the presser-bar b and cam-slide c , respectively. These cam-studs f are rigidly secured to the bottom plate a of the galley and are engaged at their upper ends by screw-threaded nuts f' . As shown, these cam-studs f may each be engaged with either one of a pair of perforations f^2 , cut in the bottom plate a at points one in advance of the other. By changing the cam-studs f from one to the other of the perforations f^2 in the bed-plate a the zone of operation, or, in other words, the movement which the presser-bar b may be given, will be varied.

$g g' g^2$ indicate a removable quoin or end-block, which is securable to the rear wall a' . This quoin, however, forms no part of my present invention, and further reference thereto is therefore not deemed necessary.

The operation of the device is simple. Normally the parts stand as shown in Fig. 2. By placing the fingers on the finger projections c^2 and forcing the cam-slide c toward

the left the presser-bar *b* will be moved laterally into engagement with the forward ends of the linotypes *z*. In thus forcing the presser-bar against the linotypes in the galley the springs *d* were first overcome and the vertical face or flange of the presser-bar was forced against the edge of the cam-slide *c*. In this operation the wedging action of the rear edge of the cam-slots *c'* against the cam-studs *f* served to frictionally lock the presser-bar against the linotypes.

As must be obvious from the above, this galley may be operated either to clamp or release the linotypes in position by a single movement of the cam-slide *c* and that this may be accomplished with great rapidity, while in its clamping action the presser device is extremely efficient. It must be also evident that, in virtue of the simplicity of the above construction, my improved galley may be very cheaply manufactured.

It will be understood, of course, that various alterations in the minor details of construction of my above-described galley may be made without departing from the spirit of my invention.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

1. In a printer's galley, the combination with the galley-body provided with a fixed longitudinal side or rib, of a laterally-movable side cooperating with said fixed side, comprising the presser-bar with lateral slots at right angles to its face, the cam-slide mounted for longitudinal movement on said presser-bar and provided with inclined cam-slots, and the cam-studs rigidly secured to said galley-body and working through the slots of said presser-bar and said cam-slide, substantially as described.

2. In a printer's galley, the combination with the galley-body provided with a fixed longitudinal side or rib, of the laterally-movable side cooperating with said fixed side, comprising the presser-bar with lateral slots at right angles to its face, the cam-slide mounted for longitudinal and also a slight lateral movement on said presser-bar, one or more springs

secured to one of said parts and frictionally engaging the other, and the cam-studs rigidly secured to the galley-body and working through the slots of said presser-bar and said cam-slide, substantially as described.

3. In a printer's galley, the combination with the galley-body provided with a fixed longitudinal side or rib, of a laterally-movable side cooperating with said fixed side, comprising the presser-bar with lateral slots at right angles to its face, the cam-slide mounted for longitudinal movement on said presser-bar and provided with inclined cam-slots, and the cam-studs rigidly but adjustably secured to said galley-body and working through the slots of said presser-bar and said cam-slides, substantially as described.

4. The combination with the galley-body *a* provided with the fixed side *a'*, of the laterally-movable side comprising, the presser-bar *b* with lateral slots *b²*, and keeper-lugs *b³ b⁴*, the cam-slide *c* working between said keepers *b³ b⁴* with freedom for longitudinal and also a slight lateral movement and provided with the inclined slot *c'*, the springs *d* secured at one end to the lugs *d'* on said slide *c* and engaging with their free ends against the vertical flange of said presser-bar *b*, and the nutted cam-studs *f f'* secured to said galley-body *a*, substantially as described.

5. The combination with the galley-body *a* provided with the fixed side *a'* and bottom perforations *f²*, of the laterally-movable side comprising the presser-bar *b* with lateral slots *b²* and keeper-lugs *b³ b⁴*, the cam-slide *c* working between said keepers *b³ b⁴* with freedom for longitudinal movement and provided with the inclined slot *c'*, and the nutted cam-studs *f f'* adapted to be rigidly secured in either member of the pair of perforations *f²* of said body *a*, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD L. HOLMES.

Witnesses:

JAS. F. WILLIAMSON,
I. D. MERCHANT.