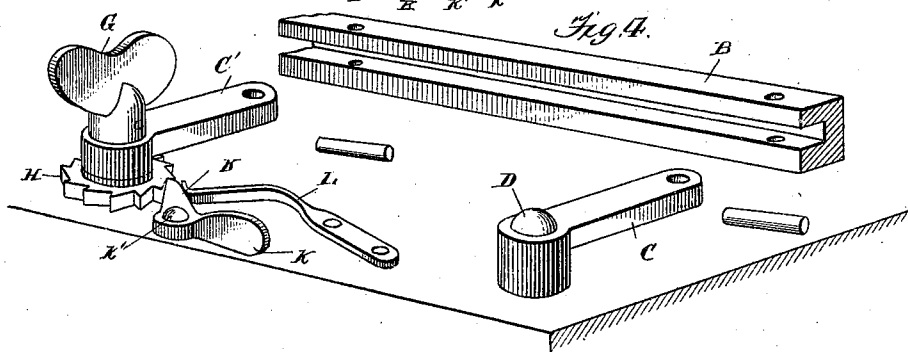
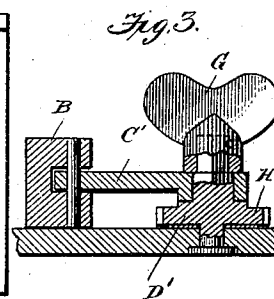
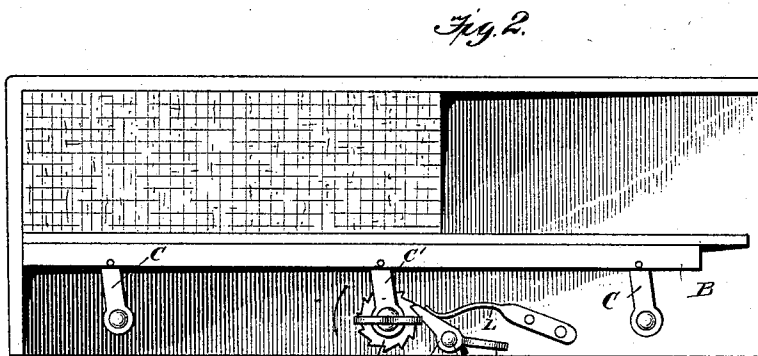
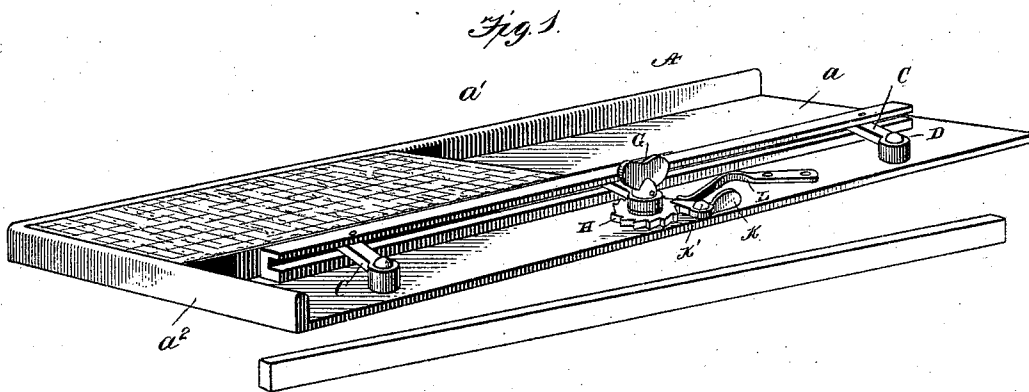


(No Model.)

B. K. DAVIS.
TYPE GALLEY.

No. 579,863.

Patented Mar. 30, 1897.



WITNESSES:

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UNITED STATES PATENT OFFICE.

BENJAMIN K. DAVIS, OF HENDERSONVILLE, NORTH CAROLINA, ASSIGNOR
OF ONE-HALF TO GEORGE H. P. COLE, OF SAME PLACE.

TYPE-GALLEY.

SPECIFICATION forming part of Letters Patent No. 579,863, dated March 30, 1897.

Application filed March 14, 1896. Serial No. 583,184. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN K. DAVIS, residing at Hendersonville, in the county of Henderson and State of North Carolina, have invented a new and Improved Printer's Type-Galley, of which the following is a specification.

This invention is an improved type-galley for the purpose of taking proofs or for other purposes; and the object of the invention is to provide a galley which will dispense with the pieces of furniture and quoins now used for locking the composition; and another object is to provide a device which shall be about as cheap and simpler than the devices now in use, and at the same time provide one with which all the operative parts are connected with the galley and one in which said parts operate with accuracy and ease.

Another object is to provide a galley which can be quickly locked simultaneously with its adjustment.

With these objects in view my invention consists in the peculiar construction of the various parts and the novel combination or arrangement, all of which will be fully described hereinafter and pointed out in the claim.

In the drawings forming a part of this specification, Figure 1 is a perspective view of my galley in use. Fig. 2 is a top plan view. Fig. 3 is a sectional view on the line 3 3 of Fig. 2. Fig. 4 is a detail perspective view of the bar-operating mechanism.

In carrying out my invention I employ a galley A, which is constructed of wood or metal, as desired, and comprising a flat base *a* and the fixed side and bottom *a'* and *a''*, the same as an ordinary galley. In combination with the galley as thus constructed I employ a movable side B, which is pivotally connected to the inner ends of the parallel bars or levers C, C, and C', the outer ends of said bars or levers C C being pivotally connected with the fixed posts D and D', mounted near the opposite ends of the base of galley. The outer ends of central lever or bar C' are rigidly connected with rotatable post D', journaled in the base of galley. In addition the post is provided with a handle G, by means

of which the post D' is rotated, and by such movement the movable side is moved in or out through the medium of bar or lever C', and the bars or levers C C equalize the movement of said side, maintaining its parallelism with the opposite side, thus rendering the operating of the side piece absolutely accurate.

In order to regulate the adjustment of the movable side whereby the galley can be regulated to hold any desired width of composition, I arrange a ratchet-wheel H upon the post D', preferably integral therewith, the teeth being so spaced that the distance between them is equal to an em quad of pica, so that at each step the movable side is moved inward the width is increased one em quad, and at each outward step the width is correspondingly increased. In order to provide a lock for such adjustment, I provide a pawl K, having a handle *k*, said pawl being pivoted at *k'* and held in engagement with the wheel H by means of a spring L, said spring being attached to base of galley and bearing against the pawl between the pivot and point.

When it is desired to move the side inward, the handle is turned as indicated by the arrow; but when it is desired to move the side outward the pawl is first disengaged, and then the handle operated as indicated by arrow. Furthermore, the side can be moved inward without touching the handle, said bar being locked automatically at each step by means of the pawl and ratchet. The adjustment by this means is of course limited, but by adding sticks of furniture any narrow width of composition can be locked as quickly and as easily as the galley without furniture.

It is obvious that the galley can be made for brevier, nonpareil, primer, diamond, &c., as well as pica.

From the above description, taken in connection with the accompanying drawings, it will be seen that I provide a cheap and simple form of galley which can be quickly adjusted to suit various widths of composition, one which is automatically locking, and one which will dispense with expensive and cumbersome furniture and locking devices now in use.

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

5 The combination with the galley A, having the fixed side, end and bottom, of the rotatable side B, arranged upon the bottom, the levers C provided upon the bottom and pivotally connected to the side B near its ends, the central lever C' pivoted to the side B near
10 the center, the rotatable post D' to which the opposite end of the lever C' is attached, said post D' having a handle G at the opposite

end and a ratchet-disk H near the lower end, the pawl K pivoted upon the bottom and adapted to engage the ratchet-disk and the 15 spring L attached also to the bottom and adapted to engage the pawl K, all arranged and adapted to operate substantially as shown and described.

BENJAMIN K. DAVIS.

Witnesses:

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J. M. WALDROF.