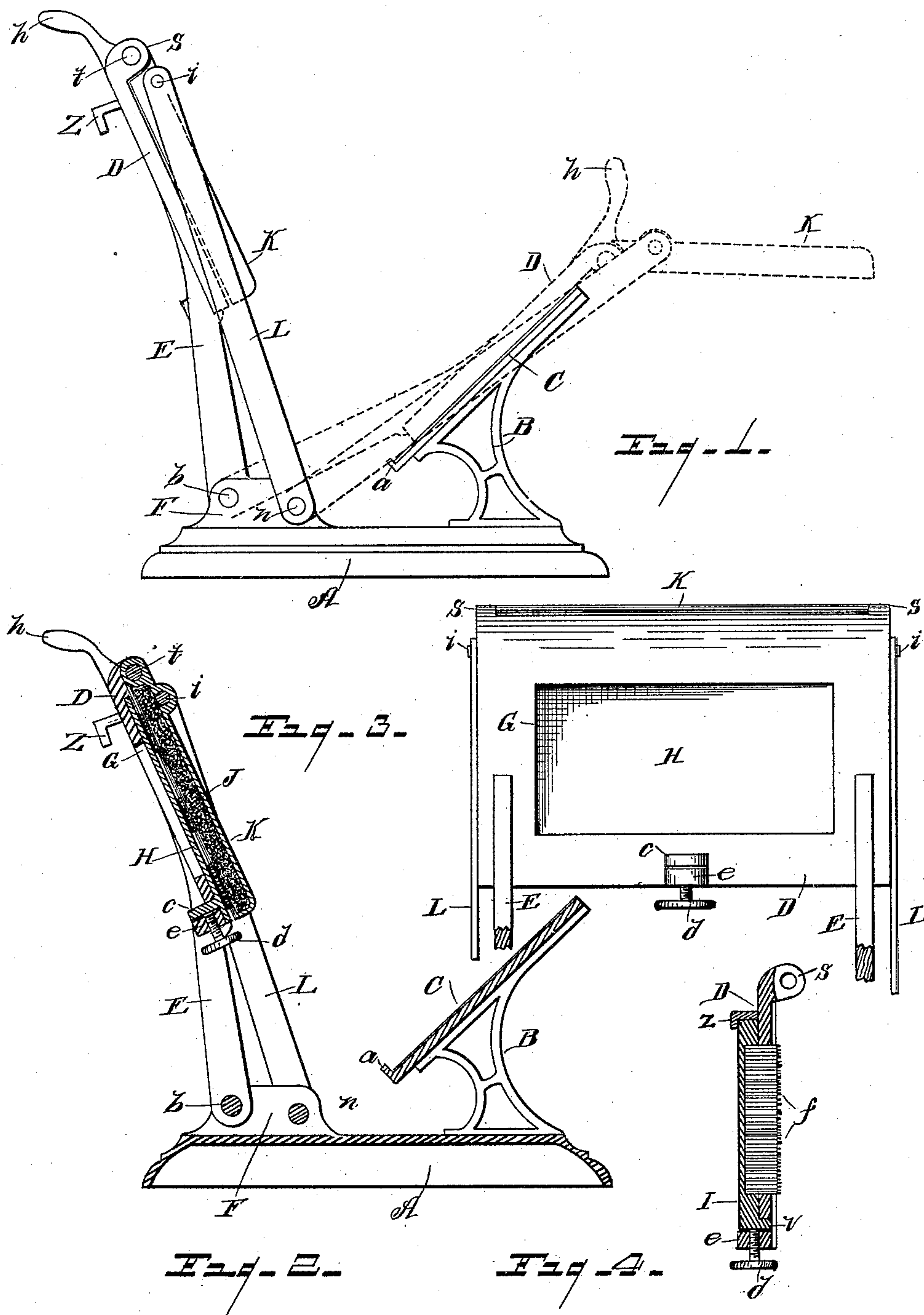


(No Model.)

G. BROWN.
HAND PRINTING PRESS.

No. 463,118.

Patented Nov. 10, 1891.



WITNESSES

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GEORGE BROWN, OF POINT EDWARD, ASSIGNOR OF ONE-HALF TO JOHN R. BROWN, OF BRIGDEN, CANADA.

HAND PRINTING-PRESS.

SPECIFICATION forming part of Letters Patent No. 463,118, dated November 10, 1891.

Application filed February 9, 1891. Serial No. 380,826. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BROWN, a British subject, residing at Point Edward, in the county of Lambton, Ontario, Canada, have invented certain new and useful Improvements in Hand Printing-Presses; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in hand printing-presses; and it consists in a certain construction and arrangement of parts, as hereinafter fully set forth, the essential features of which being pointed out particularly in the claims.

In the accompanying drawings, forming a part of the specification, Figure 1 is a side elevation of my improved hand-press, showing the position of parts when printing or making an impression. Fig. 2 is a vertical central cross-section through Fig. 1. Fig. 3 is a rear elevation of the bed of the press, its supporting-legs and the arm that actuates the inking-pad being broken away. Fig. 4 is a vertical cross-section through the bed of the press, showing a chase of type secured thereto, the face of the type extending through a central opening in the bed, as arranged for printing close-lined matter.

Referring to the letters of reference, A indicates a base, on which are mounted the pedestals B, that support the platen C of the press, which is provided with a ledge *a* along the lower edge and one end to form a gage for the paper to be printed upon and to retain it in place upon the platen.

D indicates the bed of the press, which is supported at each end by the swinging legs E, the lower ends of which are journaled on a rod or shaft *b*, mounted in studs F, secured to the base A, which construction permits the bed to rock to and fro upon said legs. Said bed is provided with the central rectangular opening G and with the handle *h*, by means of which it may be actuated.

H indicates a type-plate, on which may be

mounted type or characters for printing any desired matter, as a business-card or for addressing envelopes. Said plate is provided at its lower edge with a tongue *c*, projecting from the back face thereof, that is adapted to enter an opening through the lower edge of the bed D and is secured therein by the set-screw *d*, working through a lug *e* on the rear face of the bed, and which bears against said tongue, whereby said plate H is firmly held in place upon the front face of the bed D, as clearly shown in Fig. 2. By mounting the printing characters upon the plate H and providing a number of said plates the nature of the matter printed may be readily changed by removing the plate on the bed and substituting another therefor.

For the purpose of printing close-lined matter that may be changed from time to time, a chase I is provided, in which type may be set. (See Fig. 4.) Said chase, with the type therein, is secured to the bed D by first removing the plate H from said bed and placing the chase against the back face thereof, the type in said chase passing through the rectangular opening G in the bed and projecting slightly beyond its front face, in which position the chase is secured by means of the set-screw *d*, that bears against the tongue *v* of said chase, which enters the same opening in the bed that receives the tongue *c* of the plate H, (clearly shown in Fig. 4,) the upper end of the chase having engagement with the lug *z* on the bed, whereby the chase is locked in position.

K indicates a case containing the inking-pad J, said case being hinged at its upper edge to the upper edge of the bed D by means of the pivots *t* passing through the projecting ears *s* on the bed, as shown in Figs. 1 and 2. This manner of hinging said case and bed permits their adjacent faces to lie closely together, with the inking-pad lying upon the face of the printing characters mounted on the bed, as shown in Fig. 2.

L L indicate two rocking arms, the upper ends of which are pivoted to the case K, one on each side near the top thereof and slightly forward of a vertical line through the hinge, coupling said case to the bed, as shown at *i*,

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the lower ends of said arms being pivotally coupled to the studs F, mounted on the base A, as shown at *n* in Figs. 1 and 2. Said arms stand obliquely when the parts are in their normal position, the pivotal point of their lower ends being some distance in advance of that of the legs E, that support the bed.

It will now be apparent by the arrangement of parts as shown and described that as the bed is rocked forward by means of the handle *h* the action of the arms L will raise the case K and the inking-pad therein from the face of the type or printing characters on the bed, carrying said case over the upper edge of the platen C and extending it horizontally, permitting the printing characters on the bed to come in contact with the paper previously placed upon the platen, as clearly shown by dotted lines in Fig. 1, whereby the printing is accomplished. As the bed is rocked back the arms L return the case K, causing the inking-pad to bear upon the face of the printing characters upon the bed, as shown in Fig. 2, inking the same, when the device is in readiness for another operation. This arrangement of hinging the inking-pad-containing case to the bed and actuating it by the arms L insures a perfect inking of the types for each operation of printing, and said case forms a shield that protects the face of the types from dust when not in operation.

Having thus fully set forth my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a hand printing-press, the base having the platen mounted thereon and at an angle thereto, combined with the bed having swinging legs, said legs being pivotally attached to the base, the inking-pad case and its pad, said case being hinged to the upper edge of the bed, and the arm pivoted at one end to the inking-pad case, its opposite end having a pivotal connection with the base at a point in advance of the pivotal point of the swinging legs, substantially as specified.

2. In conjunction with the base having the platen mounted thereon and at an angle thereto, the bed mounted on legs and having a rectangular opening, said legs being pivoted to the base, the handle on said bed, the chase secured to the bed, the inking-pad case and its pad, said case being hinged at its upper edge to the upper edge of the bed, and the arms pivotally attached to said case and to the base of the press, as set forth.

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

GEORGE BROWN.

Witnesses:

JAMES A. McDOWALL,
NEIL MAITLAND.