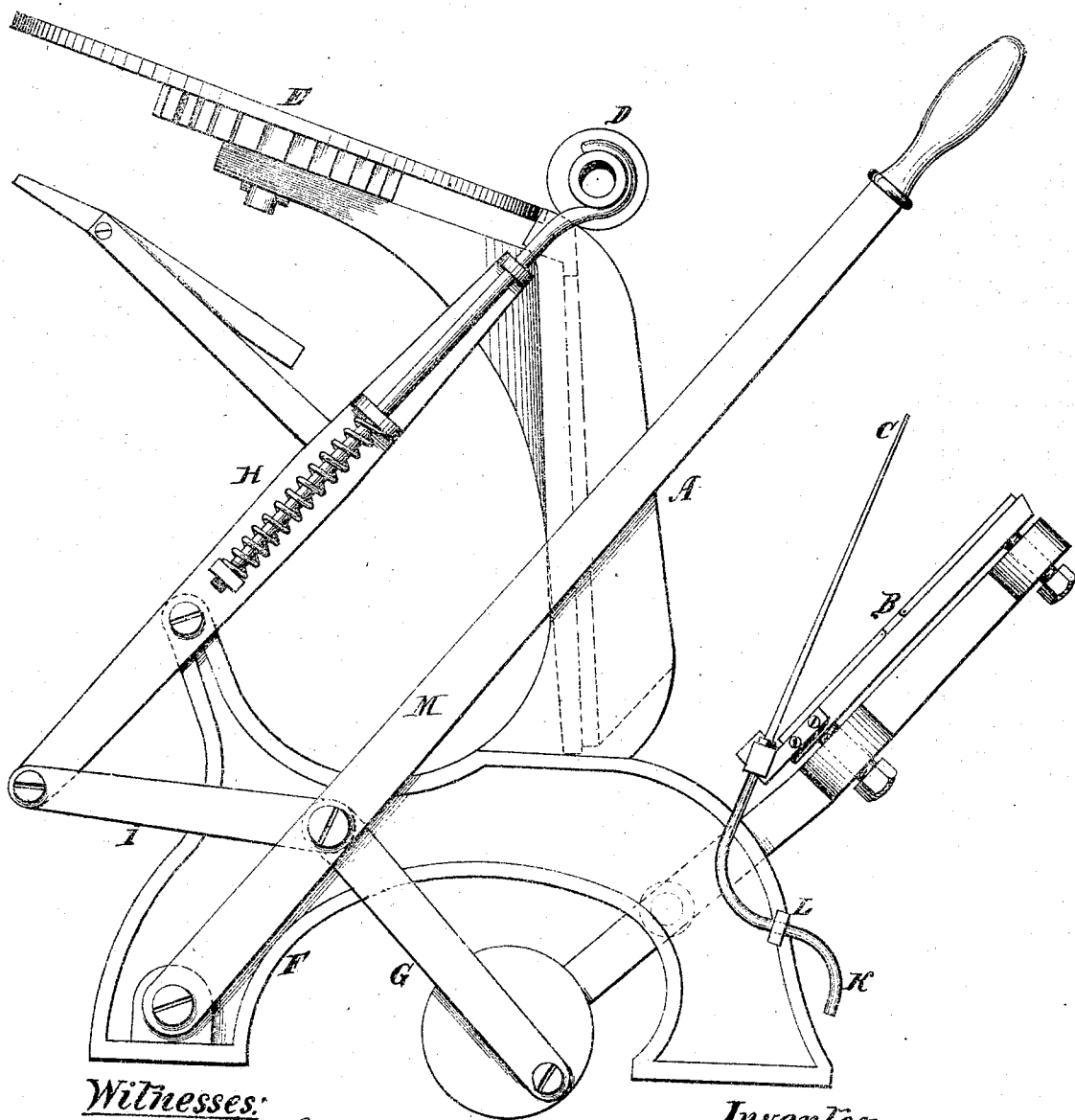


W^m L. Balch's
Impr^d Printing Press.

118182

PATENTED AUG 22 1871.



Witnesses:

Witnesses:
Gilbert M. Solding.
Wm H. Solding

Inventor.

Inventor.
Cm L. Balch.

UNITED STATES PATENT OFFICE.

WILLIAM L. BALCH, OF BOSTON, ASSIGNOR TO WILLIAM H. GOLDING AND EDWARD H. DENNISON, OF CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN PRINTING-PRESSES.

Specification forming part of Letters Patent No. 118,182, dated August 22, 1871; antedated August 18, 1871.

To all whom it may concern:

Be it known that I, WILLIAM L. BALCH, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and Improved Printing-Press, of which the following description, taken in connection with the accompanying drawing, hereinafter referred to, forms a full and exact specification, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim and desire to have secured to me by Letters Patent.

The present invention relates to a press for printing cards and paper sheets, and designed principally for the use of amateur printers; the object of the invention being to accomplish the inking of the types and the printing of the sheet in a simpler and more complete manner than is done by any press of a similar class.

The accompanying drawing is a side elevation of my press, in which A represents the type-bed, which is inclined backward to prevent the types from falling out of place; B, the platen, on which the sheet to be printed is placed; C, the grippers, by which the sheet is held in position while being printed; D, the inking-roller; and E the rotating table, on which the ink is spread.

The pressure necessary to effect the printing of the sheet is applied to the frame of the platen B, at a point below and to the rear of its turning point, by means of the compound lever F G, which is operated by a handle or treadle, as may be desired, the handle-form being shown in my drawing. The inking of the type is accomplished by the passage of the inking-roller over the ink-table and then over the face of the form, motion being given to the frame H carrying the roller through the arm I, which so connects the frame H with the impression-lever F G as to cause the inking-roller D to pass over the face of the type at the proper time. The sheet is held firmly to the platen B while being printed by the grippers C, whose action is controlled by the curved rod K passing through a socket, L, affixed to the frame of the press, and bent to such a form as to cause the grippers to grasp and relieve the sheet at the proper moment.

I claim as my invention—

Actuating both the platen and the ink-roller frame from lever M by means of links I G, combined substantially in the manner described.

WM. L. BALCH.

Witnesses:

GILBERT M. GOLDING,
WM. H. GOLDING.