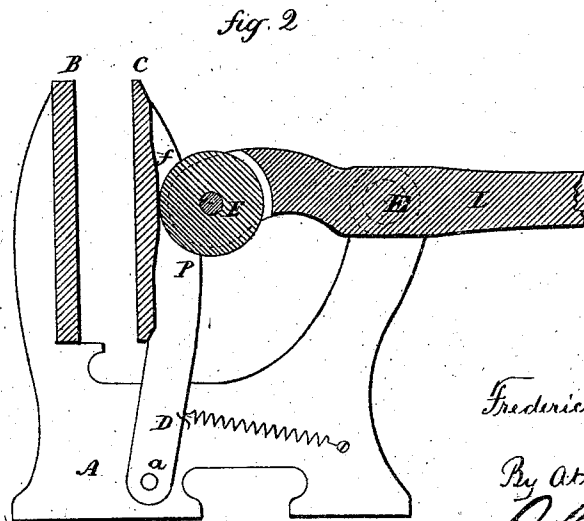
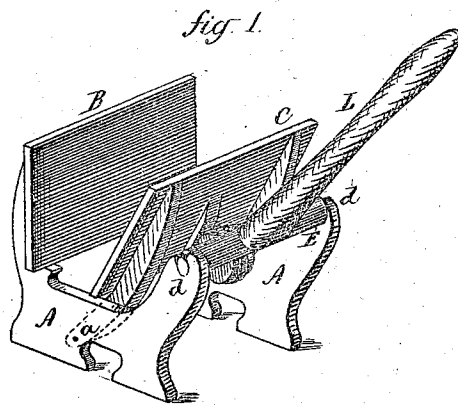


F. C. PENFIELD.
Printing-Presses.

No. 138,689.

Patented May 6, 1873.



Witnesses,

W. H. Humway,
A. J. Gibbets

Frederick C. Penfield
Inventor

By Atty.

Wm. F. Earle

UNITED STATES PATENT OFFICE.

FREDERICK C. PENFIELD, OF WEST MERIDEN, CONNECTICUT.

IMPROVEMENT IN PRINTING-PRESSES.

Specification forming part of Letters Patent No. **138,689**, dated May 6, 1873; application filed April 3, 1873.

To all whom it may concern:

Be it known that I, FREDERICK C. PENFIELD, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Printing-Presses; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents, in—

Figure 1, a perspective view; Fig. 2, a vertical section enlarged.

This invention relates to an improvement in printing-presses, the object being the production of a small press of cheap construction, such as are commonly known as "boy's or toy presses;" and the invention consists in a frame supporting a bed in nearly a vertical position, combined with a platen pivoted to the frame below, so as to swing toward and from the bed, and a lever hung in the said frame, one end serving as a handle, the other as a cam bearing against the said platen, and to force it toward the bed to produce the impression.

A A are the two sides, which constitute the frame. At the rear the frame extends up and supports the bed B; C, the platen, is constructed with ears D extending down and pivoted to the frame, as at *a*. In front the frame extends up to about midway the height of the platen, and so as to form bearings *d* for a shaft, E. To this shaft the lever is attached or formed as a part of the same, the longer

portion L serving as a handle. The other end extending toward the platen forms a cam, as seen in Fig. 2, and is preferably provided with a roll to lessen the friction between the lever and platen. On the platen at the point where the lever works a rib, *f*, is formed, against which the roll bears. When the lever is raised, as in Fig. 1, the platen falls forward and from the bed; but when the lever is brought down, as in Fig. 2, the platen is forced toward the bed into a position parallel therewith, as seen in Fig. 2.

The type is set and secured into the chase in the usual manner, and that placed upon and secured to the bed; the surface of the type is inked; the paper placed thereon in the usual manner; then the lever brought down; the platen is forced against the paper, causing it to receive an impression from the type.

By this construction, I am enabled to produce a press extremely cheap and so simple in its operation that it accomplishes its object as a toy, and yet is useful for other light printing.

I claim as my invention—

The herein-described printing-press, consisting of the frame A A supporting the bed B, and the lever L, and the swinging platen C, the said lever constructed and arranged so as to impart the requisite movement to the said platen, substantially as set forth.

F. C. PENFIELD.

Witnesses:

FRANK G. OTIS,
A. S. NETTLETON.