

C. M. HYATT.
Clamp.

No. 211,020.

Patented Dec. 17, 1878.

Fig. 1.

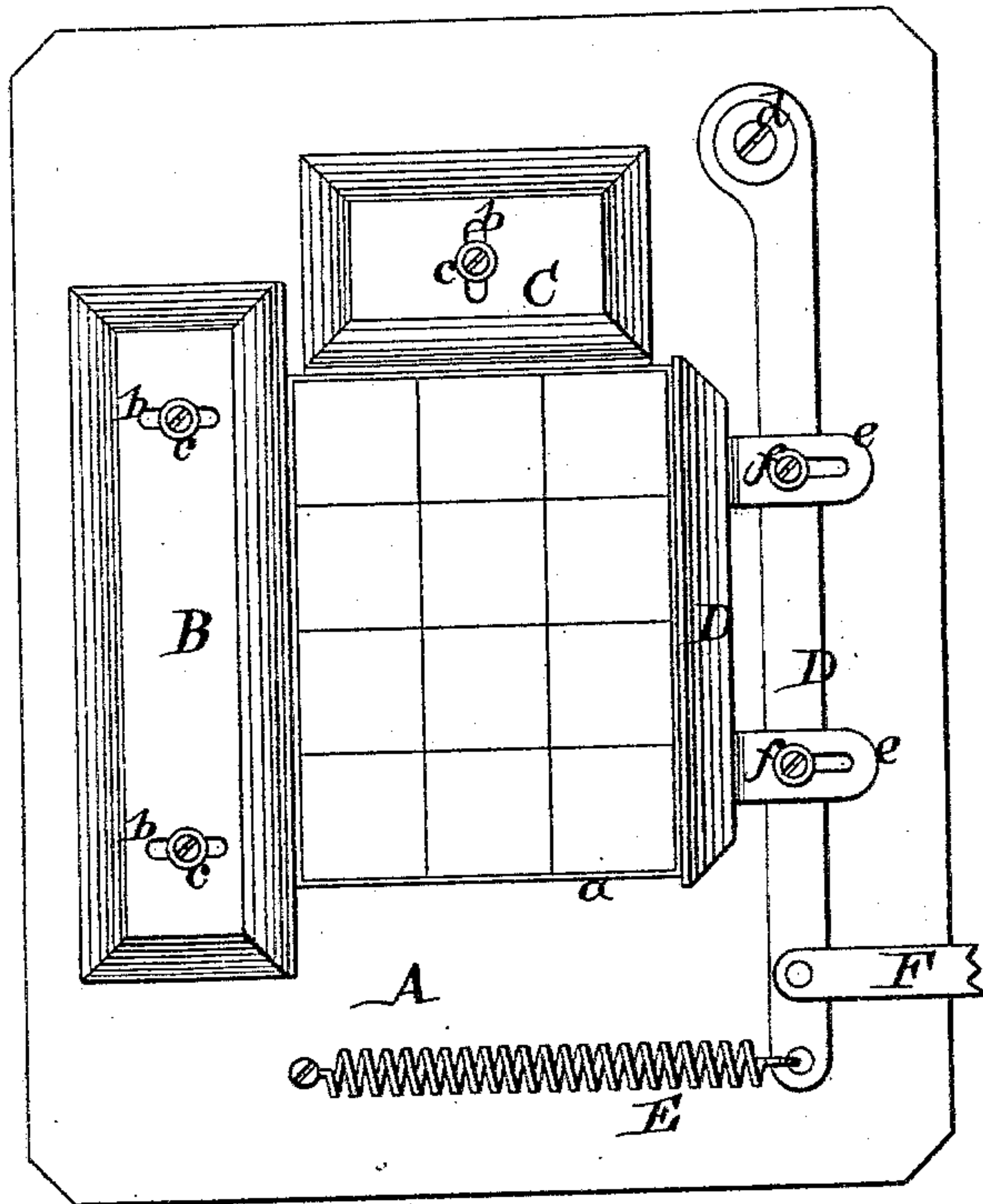


Fig. 2.

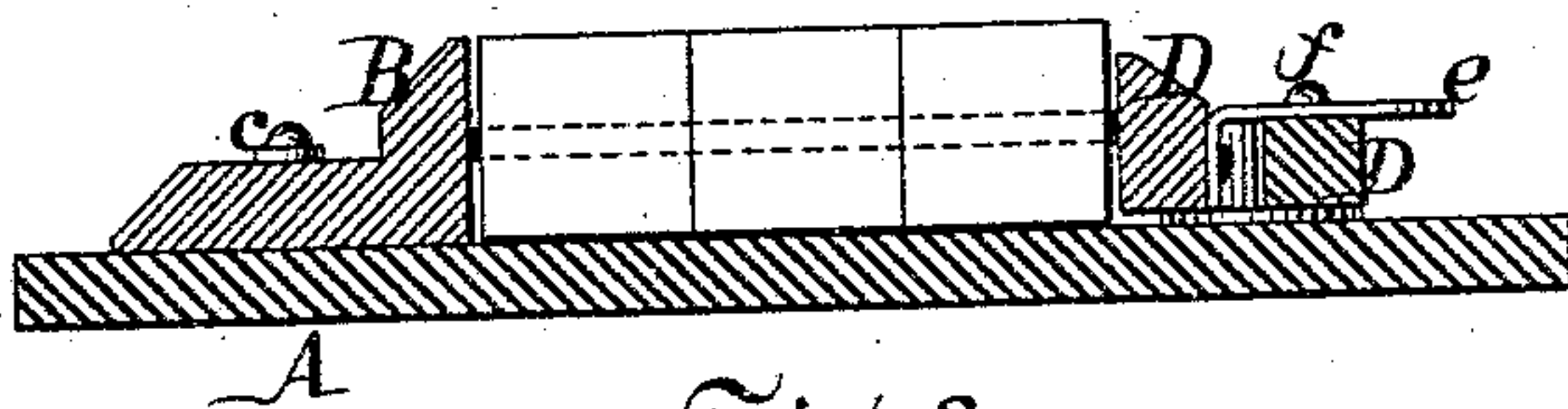
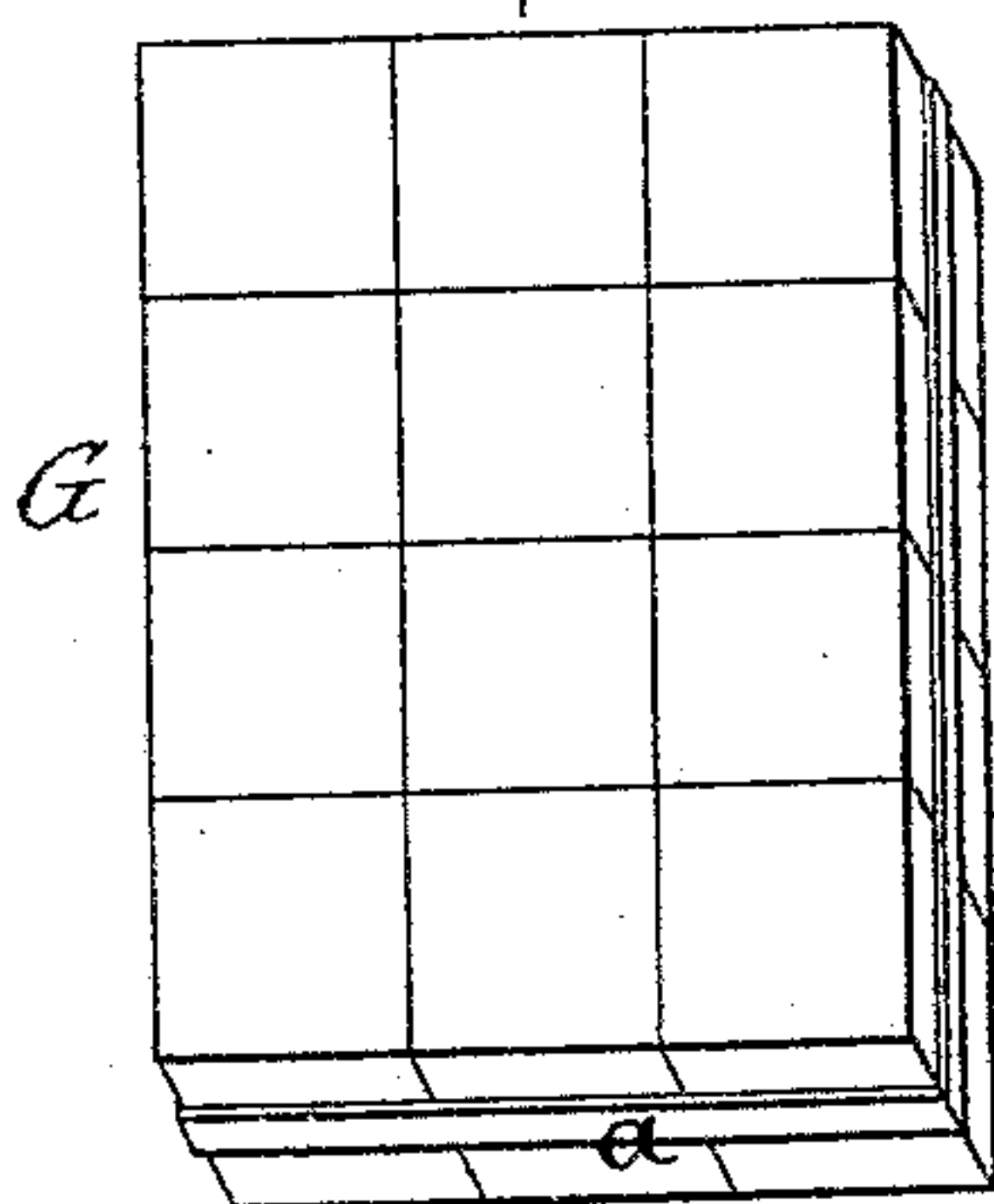


Fig. 3.



Witnesses.
Chas. Wahlers.
J. M. Miller.

Inventor.
Chas. M. Hyatt.
by his attys.
Van Santvoord & Hauff

UNITED STATES PATENT OFFICE.

CHARLES M. HYATT, OF ALBANY, NEW YORK, ASSIGNOR TO THE
EMBOSSING COMPANY.

IMPROVEMENT IN CLAMPS.

Specification forming part of Letters Patent No. 211,020, dated December 17, 1878; application filed
November 27, 1878.

To all whom it may concern:

Be it known that I, CHARLES M. HYATT, of Albany, in the county of Albany and State of New York, have invented a new and useful Improvement in Clamps, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a plan view of a clamp containing my invention. Fig. 2 is a cross-section thereof. Fig. 3 shows a series of blocks in position for their reception in the clamp.

Similar letters indicate corresponding parts.

The object of my invention is to obtain a clamp which is adapted to receive and hold a series or group of alphabet-blocks, dominoes, checkers, and the like during the process of their manufacture, such as the printing or enameling thereof, and which shall admit of the introduction and removal of such articles with greater facility and dispatch than ordinary clamps.

It consists in the combination, with a base-plate, of a series of edge-gages, which are arranged at suitable angles to each other, and one of which is pivoted at or near its one end, and of a device for locking the pivoted gage, whereby I obtain a clamp adapted to open and shut with facility.

In the drawing, the letter A designates a base-plate, and B C D are a series of edge-gages, composing a clamp of the nature of my invention.

Between the gages B C D, I have represented a group of alphabet-blocks, G, which are thus brought to a position to be simultaneously printed, or treated in any other desired manner.

In practice I fasten together the group of blocks to be treated, previous to placing the same in the clamp, by an india-rubber or other suitable band, as shown, the band being marked *a*, so that no time is lost in setting up the blocks in the clamp.

To accommodate the group of blocks G, the gages B C D are arranged at right angles to each other. The gages B and C are stationary; but they are made adjustable by means of slots *b*, formed therein, and set-screws *c*,

while the gage D is hung on a pivot, *d*, projecting from the base-plate at or near its one end. With this pivoted gage D, I combine a locking device, consisting, in the present example of my invention, of a spring, E. This spring E is so arranged as to force the pivoted gage D inward, and its form may be varied. I make the gage D in two parts, and connect one part thereof to the other by means of slotted plates *e* and set-screws *f*, so that the same, like the gages B C, is adjustable; but, in lieu of this arrangement, the pivot *d* of the gage D may be combined with a slot to render said gage adjustable.

It will be seen that when the pivoted gage D is allowed to follow the action of the spring E, any group of articles placed between the same and the gages B C are automatically and firmly held in position, while by simply moving the gage D outward against the action of the spring the articles can be introduced or removed, so that the least possible time is consumed in adjusting the articles in the clamp.

In lieu of the spring E, I can use any other equivalent mechanical device, such as a weight, lever, or cam; and when my clamp is combined with a printing-press or other machine, the pivoted gage can be connected with the working parts in such a manner that said gage is automatically opened and shut at the proper times. To make this connection I use a link, F, or other suitable means.

What I claim as new, and desire to secure by Letters Patent, is—

In a clamp, the combination of a base-plate, a series of edge-gages, which are arranged at suitable angles to each other, and one of which is pivoted at or near its one end, and of a device for locking the pivoted gage, all constructed and operating substantially as herein described.

In testimony that I claim the foregoing I hereunto set my hand and seal this 25th day of November, 1878.

CHARLES M. HYATT. [L. S.]

Witnesses:

ROBERT C. PRUYN,
CHAS. L. PRUYN.