

J. S., J. W. & C. M. HYATT.
Machine for Spotting Dominoes.

No. 164,840.

Patented June 22, 1875.

Fig. 1.

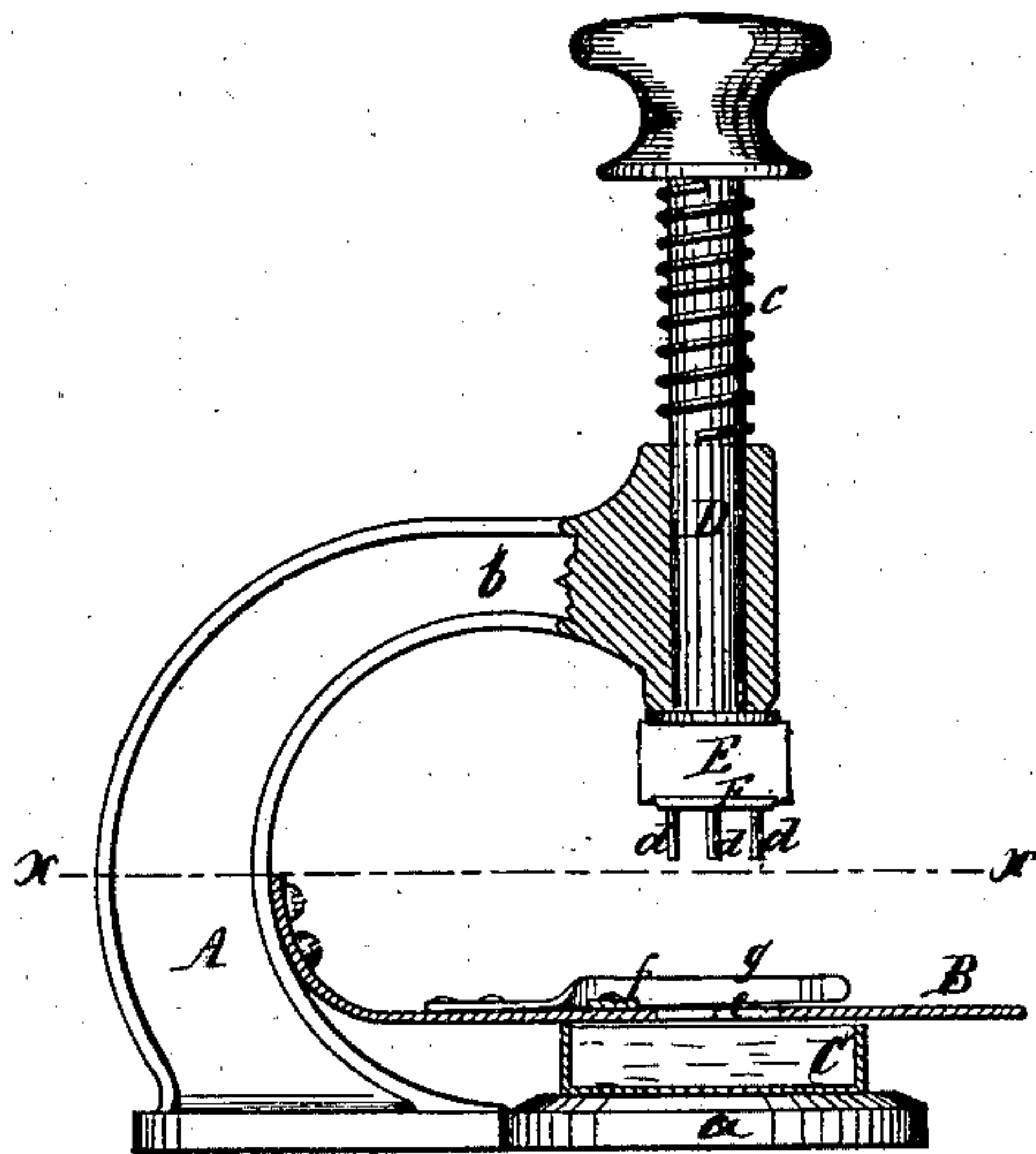
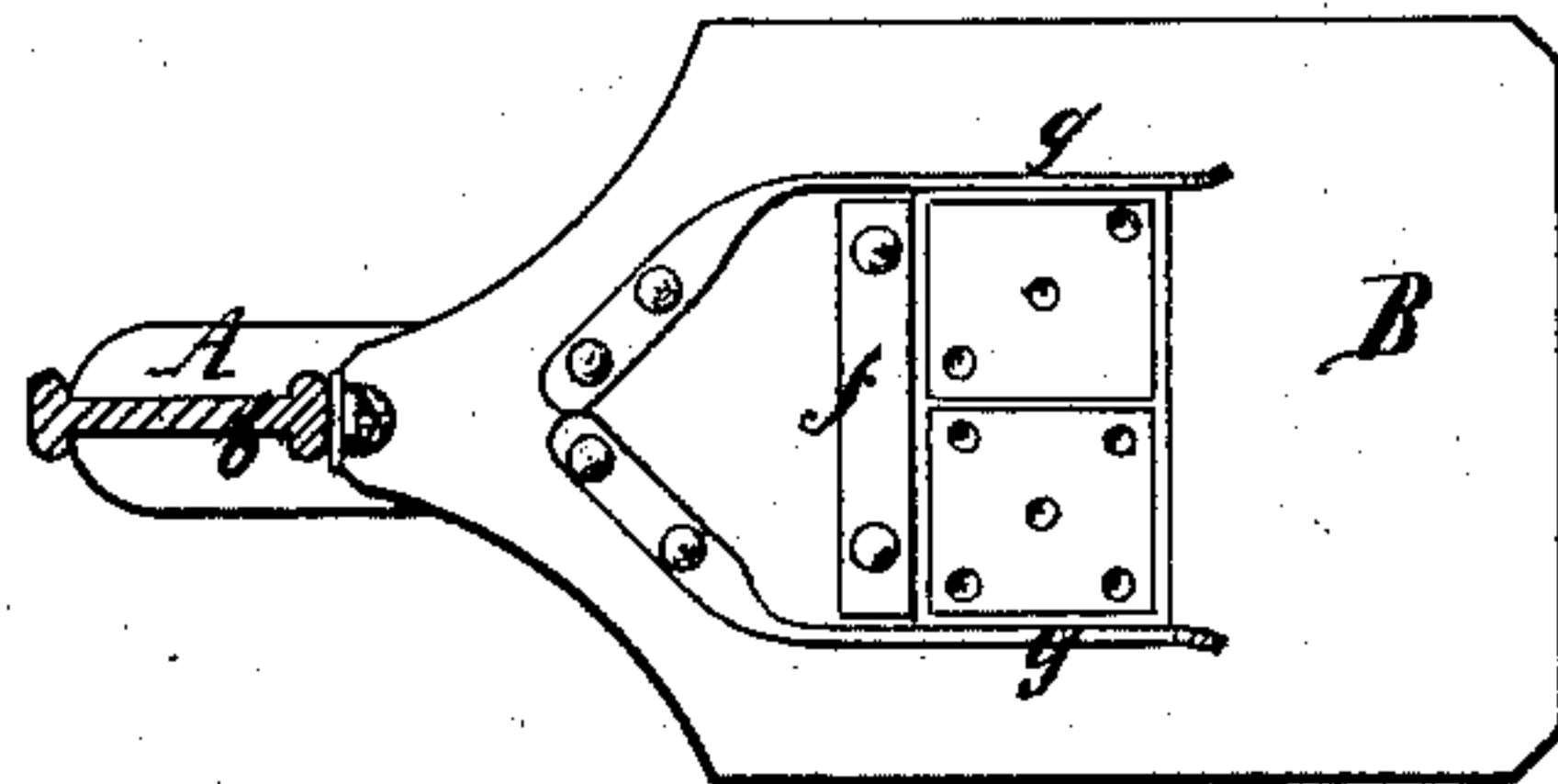


Fig. 2.



Witnesses,

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UNITED STATES PATENT OFFICE.

ISAAH S. HYATT AND JOHN W. HYATT, OF NEWARK, NEW JERSEY, AND
CHARLES M. HYATT, OF ALBANY, NEW YORK, ASSIGNORS TO THE
EMBOSSING COMPANY.

IMPROVEMENT IN MACHINES FOR SPOTTING DOMINOS.

Specification forming part of Letters Patent No. 164,840, dated June 22, 1875; application filed
April 23, 1875.

To all whom it may concern :

Be it known that we, ISAAH S. HYATT and JOHN W. HYATT, of Newark, in the county of Essex and State of New Jersey, and CHARLES M. HYATT, of city and county of Albany and State of New York, have invented a certain New and Improved Machine for Spotting Dominos, of which the following is a specification :

This invention is illustrated in the accompanying drawing, in which Figure 1 represents a sectional side view; Fig. 2 is a horizontal section in the plane *xx*, Fig. 1.

Similar letters indicate corresponding parts.

This invention consists in combining a spotting-die and plunger with a perforated domino-supporting platform, and a cistern containing the enamel or other material used for filling the spots, in such a manner that when the platform is empty and the plunger is depressed the pins of the spotter are dipped into the filling material in the cistern, and when the plunger is then raised and a domino is placed on the platform, the filling material adhering to the pins of the spotter can be readily and quickly introduced into the spots of the domino. The spotting-dies are made to slide in a groove in the head of the plunger, so that they can be readily interchanged, and the platform is provided with a guide and with retaining-springs to hold the dominos in the required position beneath the spotter.

In the drawing, the letter A designates a frame similar to that used for hand-stamps, said frame being provided with a foot, *a*, and an arm, *b*, as shown.

Above the foot *a* of said frame is situated a platform, B, which is firmly secured to the arm *b*, and under this platform is placed a cistern, C, intended to contain the enamel or other material to be used for filling the spots of dominos.

The end of the arm *b* forms the guide for a plunger, D, which is subjected to the action of a spring, *e*, that has a tendency to keep the same up in the position shown in Fig. 1. On the lower end of the plunger is formed a head, E, which is provided with a guide-groove for

the reception of the spotting-dies F. Each of these spotting-dies is provided with a number of pins, *d*, the number and position of which correspond to the number and position of the spots in the several dominos, a separate spotting-die being provided for each domino.

In the platform B is an aperture *e*, so that when the plunger D is depressed the pins *d* of the spotting-die can be made to pass down beneath said platform and to dip into the filling material contained in the cistern C.

On the platform B is secured a guide-strip, *f*, and two retaining-springs, *g g*, by means of which the dominoes can be adjusted and retained in the proper position beneath the spotter.

When the proper spotter has been inserted in the head E, the plunger is depressed so as to cause the pins *d* to dip into the filling material; then the plunger is permitted to rise, each of the pins *d* carrying up with it a small quantity of the filling material. As soon as the plunger is up, a domino, provided with spots corresponding to the spotter in the head E, is adjusted on the platform B, and by depressing the plunger the pins *d* are brought down into the spots of the domino, and when the plunger is again raised the filling material previously adhering to the pins *d* is deposited in the spots.

The amount of filling material raised from the cistern for each time the plunger is depressed and permitted to rise is regulated by the size of the pins *d* and by the depth to which said pins are dipped into the filling material.

If there are cross-bars on the domino they can be filled by the same operation of filling the spots, the spotter being provided for this purpose with flat or other suitably shaped pins in the proper places. The pins *d* may be solid or hollow, but we prefer the former.

The spotter may be made with movable pins so as to be adjustable for any number of spots in a domino, but we prefer to provide a separate spotter with the proper number of fixed pins for each domino of a set.

If desired, our spotter can be used detached

from the frame A by taking hold of the plunger, dipping it in the cistern, and then bringing the pins *d* in the cavities or spots of a domino.

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

1. A machine for spotting dominos, in which is combined a spotting-die, a reciprocating die-carrier or plunger, a fixed perforated platform for holding and retaining the dominos, and a cistern located beneath the same, the whole being constructed and arranged for operation substantially as described.

2. The guide *f*, and retaining springs *g g*, in

combination with the platform B and spotter F, substantially as described.

In testimony that we claim the foregoing we have hereunto set our hands and seals.

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