

(No Model.)

J. K. KRIEG.
EMBOSSING MACHINE.

No. 319,417.

Patented June 2, 1885.

Fig. 1.

Fig. 2.

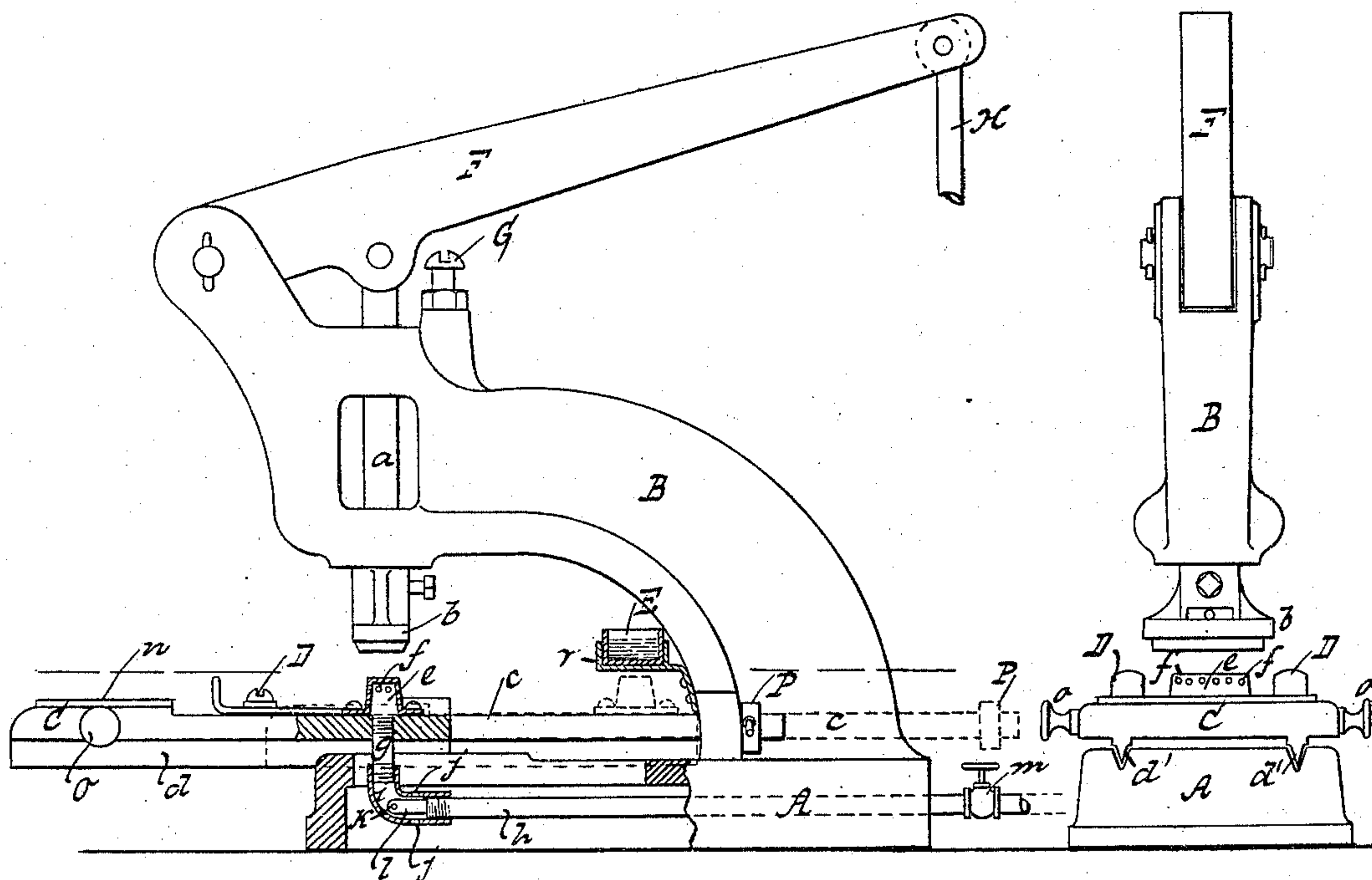


Fig. 3.

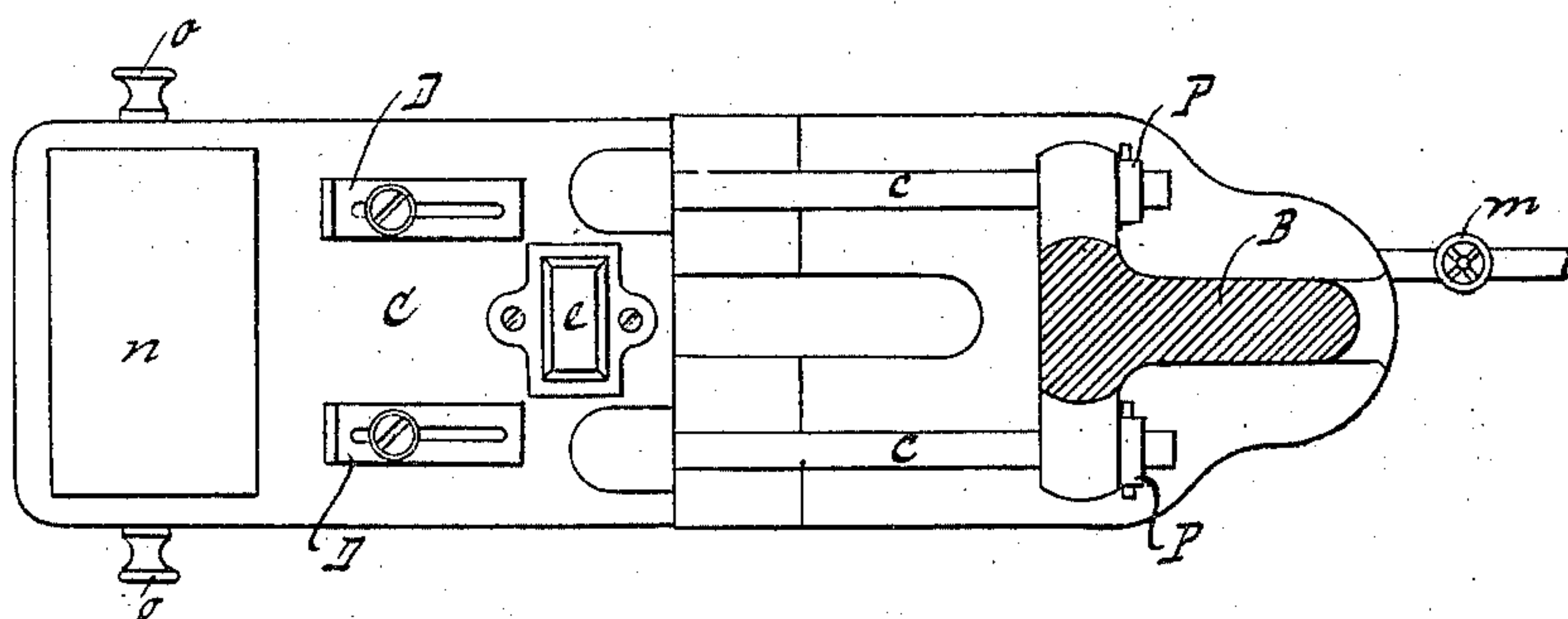
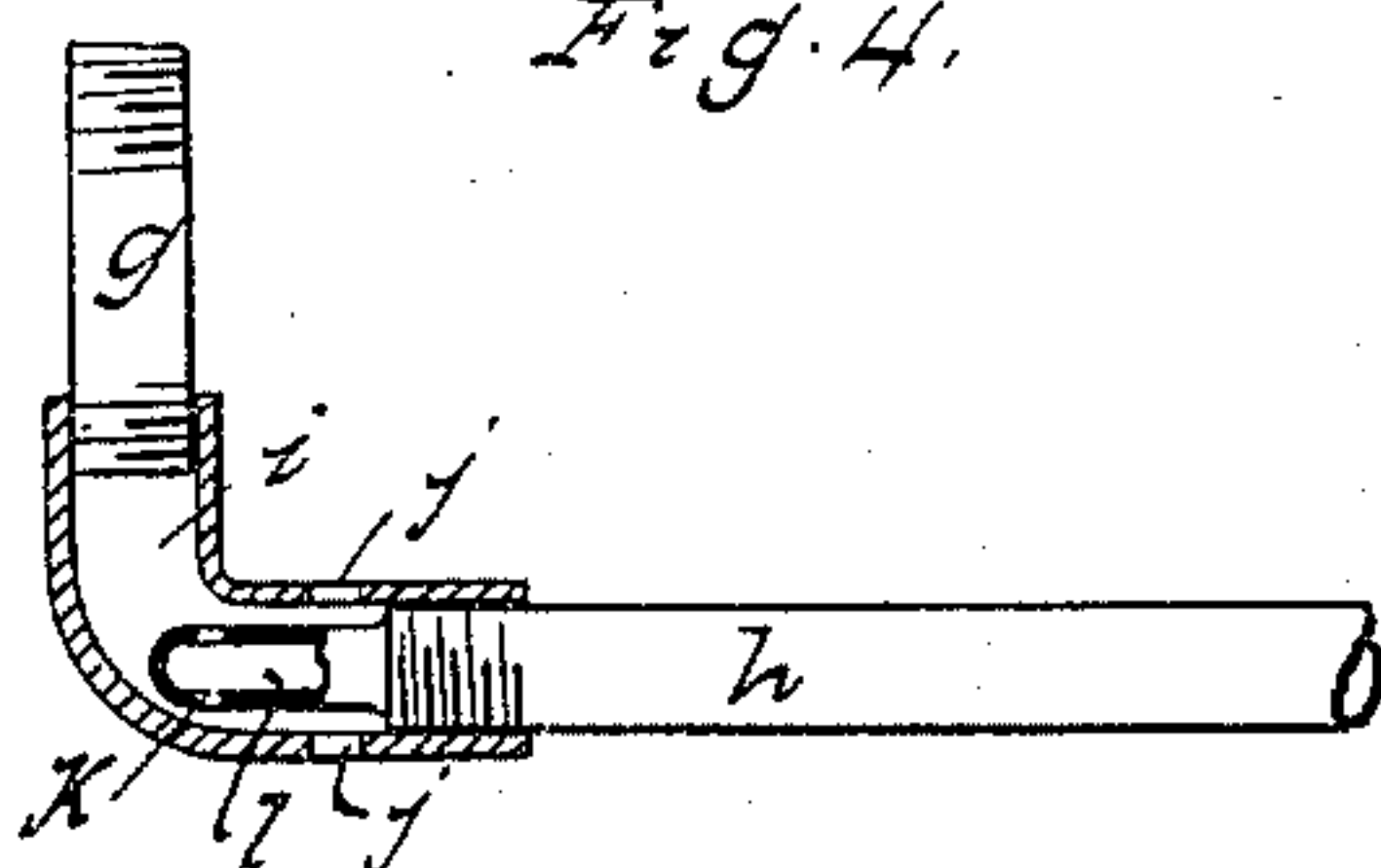


Fig. 4.



WITNESSES:

William Miller
A. Faber du Raur.

INVENTOR

John K. Krieg

BY

Van Santvoord & Haupt

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN K. KRIEG, OF NEW YORK, N. Y.

EMBOSSING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 319,417, dated June 2, 1885.

Application filed August 7, 1884. (No model.)

To all whom it may concern:

Be it known I, JOHN K. KRIEG, a citizen of the United States, residing at New York, in the county and State of New York, have
5 invented new and useful Improvements in Embossing-Machines, of which the following is a specification.

My invention relates to improvements in embossing-machines; and it consists in the
10 combination, with a frame, a die, a plunger, and a lever for operating said plunger, of a movable plate, a gas-burner secured to said plate, a bracket secured to the frame which guides the plunger, the position of the bracket
15 in relation to the burner being such that by moving the plate the gas-burner can be brought either beneath the die or the bracket.

In the accompanying drawings, Figure 1 is a side elevation of the entire machine. Fig.
20 2 is a front elevation of the same. Fig. 3 is a plan, part in section. Fig. 4 is a vertical section of part of the burner.

Similar letters indicate corresponding parts.

The frame of this machine consists in a bed-
25 plate, A, and an arm, B. The arm B is bored out on one end to receive the plunger *a*, to which is secured the die *b*, and at the lower end the same is bored out to receive the guide-rods *c*, secured to the plate C. The rods *c* are
30 provided with collars P, to prevent the plate C from being completely out of its bearings. The plate C is provided with slides *d'*, working in corresponding guide-grooves in the bed-plate A, and carries a burner, *e*, consisting of
35 a box with holes, and supplied with gas by the pipes *g* and *h*.

i is an elbow with holes *j*, which allow air to enter and mix with the gas escaping from holes *k* in the nozzle *l*, secured to the pipe *h*,
40 and entering the pipe *g*. The bed-plate A is bored with a hole, through which the gas-pipe *h* slides, so that the said pipe moves to and fro when the plate C is reciprocated.

The supply of gas is regulated in the usual
45 manner by a valve, *m*.

n is a raised surface on which the article to be embossed is placed.

D are gages on the table C for adjusting the position of the articles to be embossed. O are
50 handles for sliding the plate C.

E is a cup placed on the bracket *r*, secured to the arm B, and containing sizing, which can be heated by the furnace *e* when in its back position.

The plunger *a* is operated by means of the
55 lever F. The depth of the downward stroke can be checked by the stop-screw G.

As shown by the solid lines, Figs. 1 and 2, the plate C is slid outward on its bearings *d*, bringing the burner *e* in its forward position
60 under the die *b*, so as to heat the same. The dotted lines, Fig. 1, show the table C in its back position, bringing the surface *n*, carrying the article to be embossed, under the die and the burner *e* under the sizing-cup. 65

The lever F may be operated either by hand or by foot power, and if operated as last stated a rod, H, will be connected at one end with the lever and at the other end with a treadle
70 or other appliance to be operated by the foot.

Instead of the gas-burner, an alcohol-furnace can be used with the same effect.

This invention, it is believed, will supply the desire for a convenient embossing-machine combining simplicity, durability, and adapt-
75 ability for turning out work quickly.

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

1. The combination of a bed-plate, A, a piv-
80 oted lever, F, and a plunger, *a*, having an attached die, *b*, with a plate capable of reciprocating on the bed-plate and provided with an attached gas-burner, *e*, and a surface to receive the article to be embossed, so that by reciprocating the plate either the said surface or the
85 burner can be brought directly under the die, substantially as described.

2. The combination, substantially as herein described, with the die *b*, the plunger *a*, the arm B, which guides the plunger *a*, and the le-
90 ver F, for operating the plunger *a*, of a movable plate, C, a gas-burner, *e*, secured to said plate, and a bracket, *r*, secured to the arm B, which guides the plunger *a*, said bracket being in such a position in relation to the burner
95 *e* and to the die *b*, so that by moving the plate C the gas-burner *e* can be brought either beneath the die *b* or beneath the bracket.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscrib-
100 ing witnesses.

JOHN K. KRIEG. [L. s.]

Witnesses:

E. F. KASTENHUBER,
WILLIAM MILLER.