

J. R. SMITH.

Improvement in Cameo Card-Presses.

No. 132,330.

Patented Oct. 15, 1872.

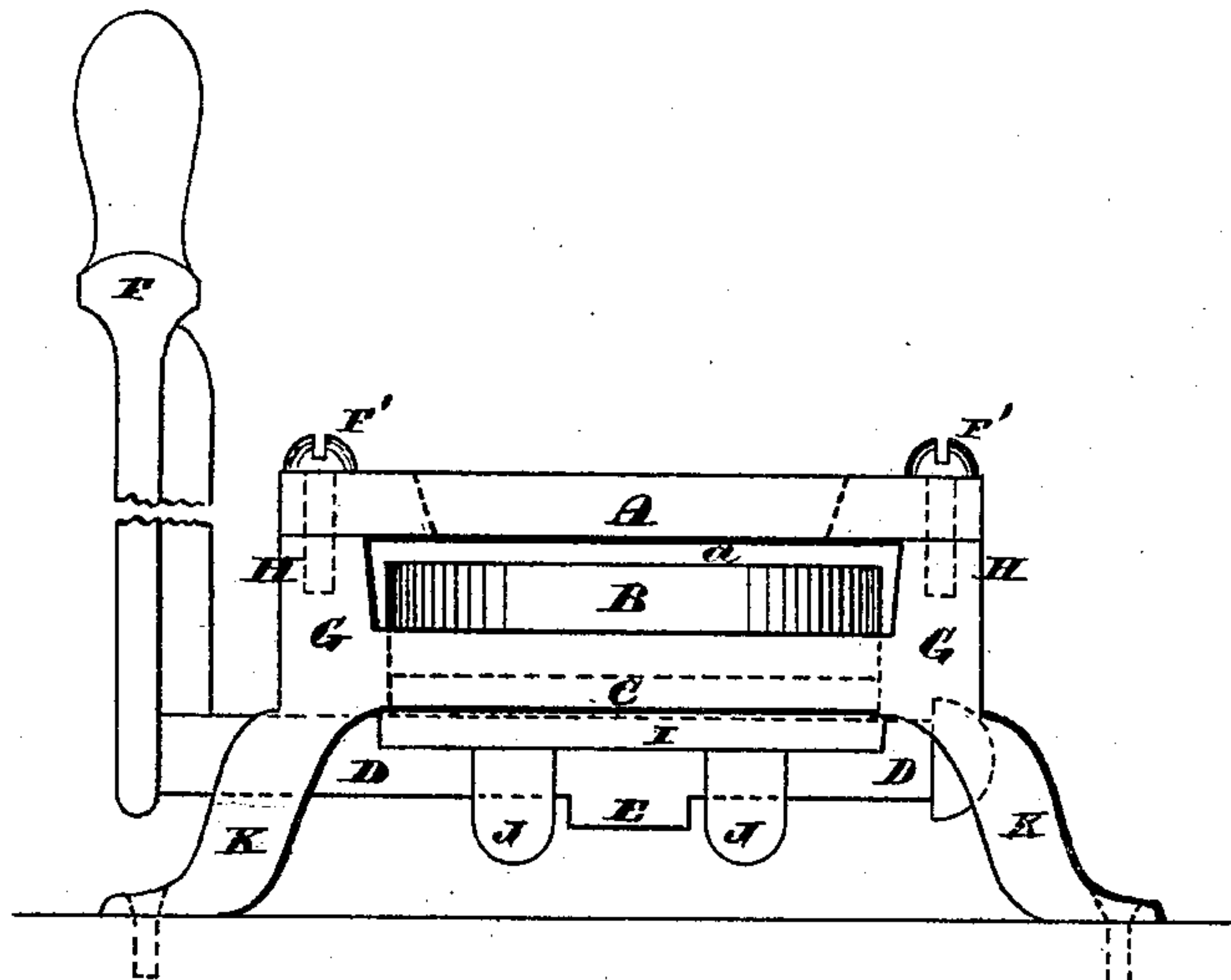


Fig. 1.

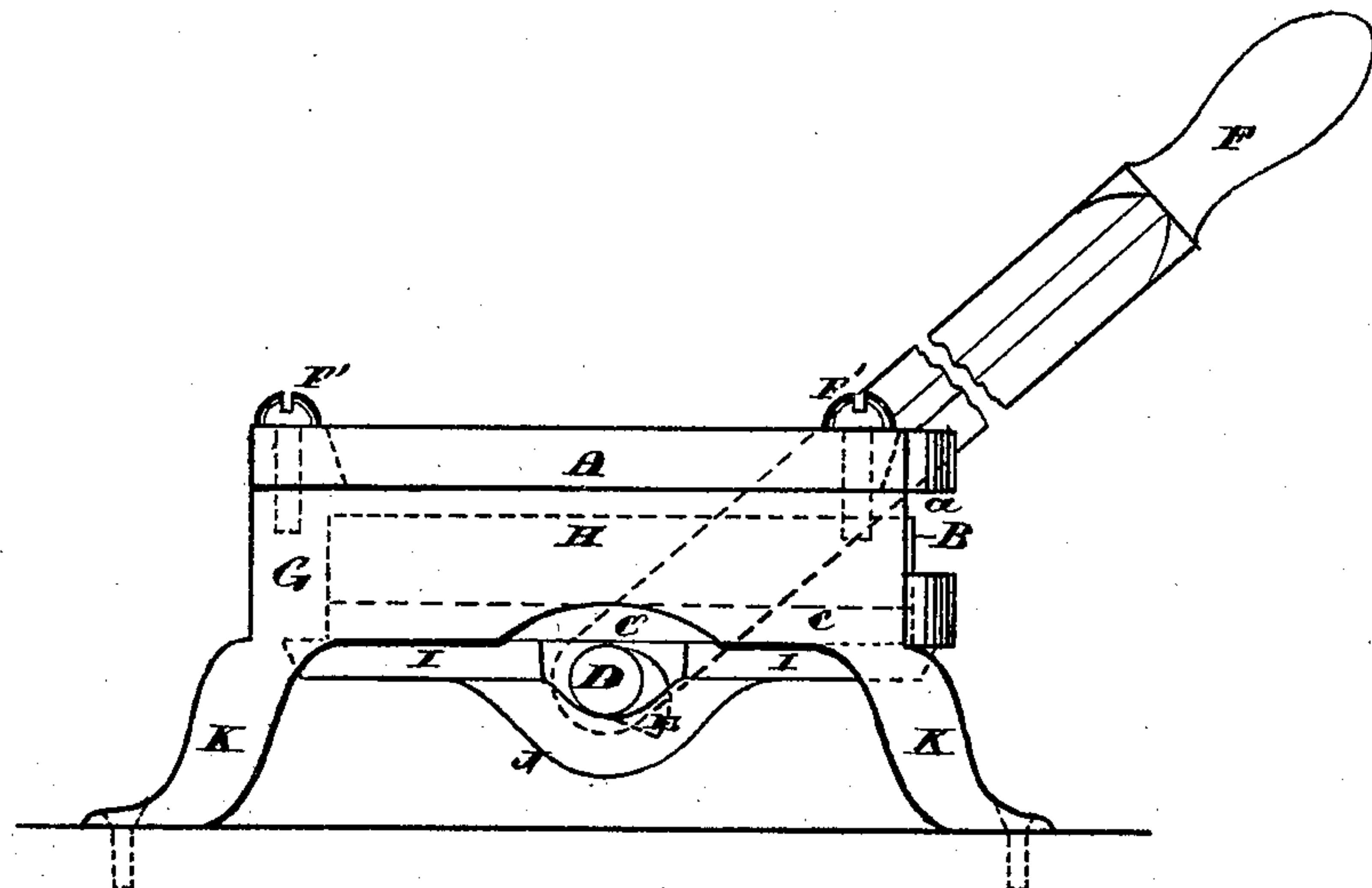


Fig. 2.

Witnesses.

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UNITED STATES PATENT OFFICE.

JOSEPH R. SMITH, OF BROCKVILLE, CANADA, ASSIGNOR TO WILLIAM BOL-
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IMPROVEMENT IN CAMEO CARD-PRESSES.

Specification forming part of Letters Patent No. 132,330, dated October 15, 1872.

To all whom it may concern:

Be it known that I, JOSEPH R. SMITH, of Brockville, in the county of Leeds, in the Province of Ontario, Canada, have invented certain Improvements in Cameo Card-Presses, of which the following is a specification:

My invention relates to that class of cameo-presses used by photographers in which the card is pressed upwardly between the flexible pad and rigid die-plate by means of a cam-shaft and lever; and it consists in constructing the base of the press with side walls to receive the pad, trough to contain the pad-plate, recess in said trough to pass the cam, and curved bars bridging the slotted trough to form bearings for the cam-shaft, and feet to support the base-plate, the said base, walls, slotted trough, bearings, and feet being formed wholly together, in one mold, by one casting; the object being to lessen the cost of manufacture and to construct a press which shall combine durability, compactness, and lightness of manufacture.

Figure 1 is an end elevation of a press embodying my invention. Fig. 2 is a side elevation.

A is the die-plate, provided with the oval or other shaped orifice corresponding to the configuration of the cameo. B is the elastic rubber pad, resting on the metal plate C. D is the cam-shaft, which, by its cam E, presses the plate and pad upward when the lever F at the side of the press is operated downward. The card to be pressed is inserted between the pad and plate through an opening, *a*, at the end of the press in the usual manner. G is the base of the press, to which the die-plate A is secured, to the sides thereof, by screws F' at each corner. The base G is formed with side walls H and trough I, corresponding to

the plate C. This trough is slotted transversely to receive the cam-shaft D, and to allow the cam E to engage with the plate C to raise it, as before described. J J are curved bars bridging the slot of the trough to form bearings for the cam-shaft. K are feet supporting the base G, provided with holes to fasten the press to a table or fixture by screws or other means. The cam-shaft is inserted in its place between the bearings J J and plate C from the side of the press, and is retained by the bars J J at each side of the cam. The base G, side walls H, slotted trough I, bearing-bars J J, and feet K are formed unitedly in one mold, at one cast of the metal.

I do not claim novelty in the process of embossing herein described, as I am aware that this is not new; but

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

The combination of the base G, with side walls H, slotted trough I, bearings J J, and feet K, formed in one casting, the annular die-plate A fixed to the top of said base, the plate C and elastic pad B held and guided within the said base, the crank-shaft D E resting in bearings J J beneath the bed or base, and the lever F on one end of the cam-shaft for operating it, all constructed and arranged to operate as herein specified, for the purpose set forth.

JOSEPH R. SMITH.

Witnesses:

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WM. SHERWOOD,
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