

J. H. FERGUSON.
PHOTOGRAPHIC BURNISHERS.

No. 189,348.

Patented April 10, 1877.

Fig. 1.

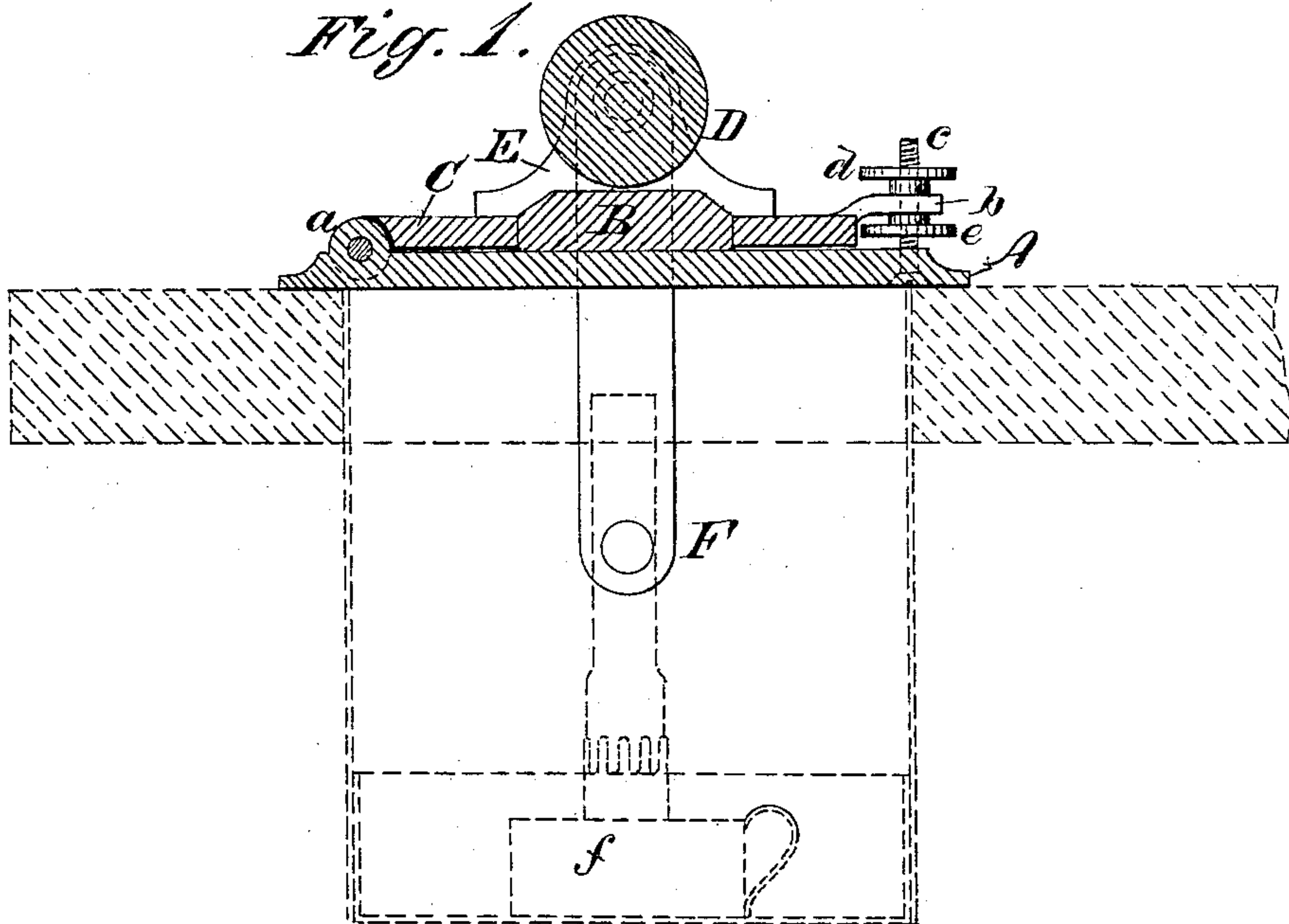
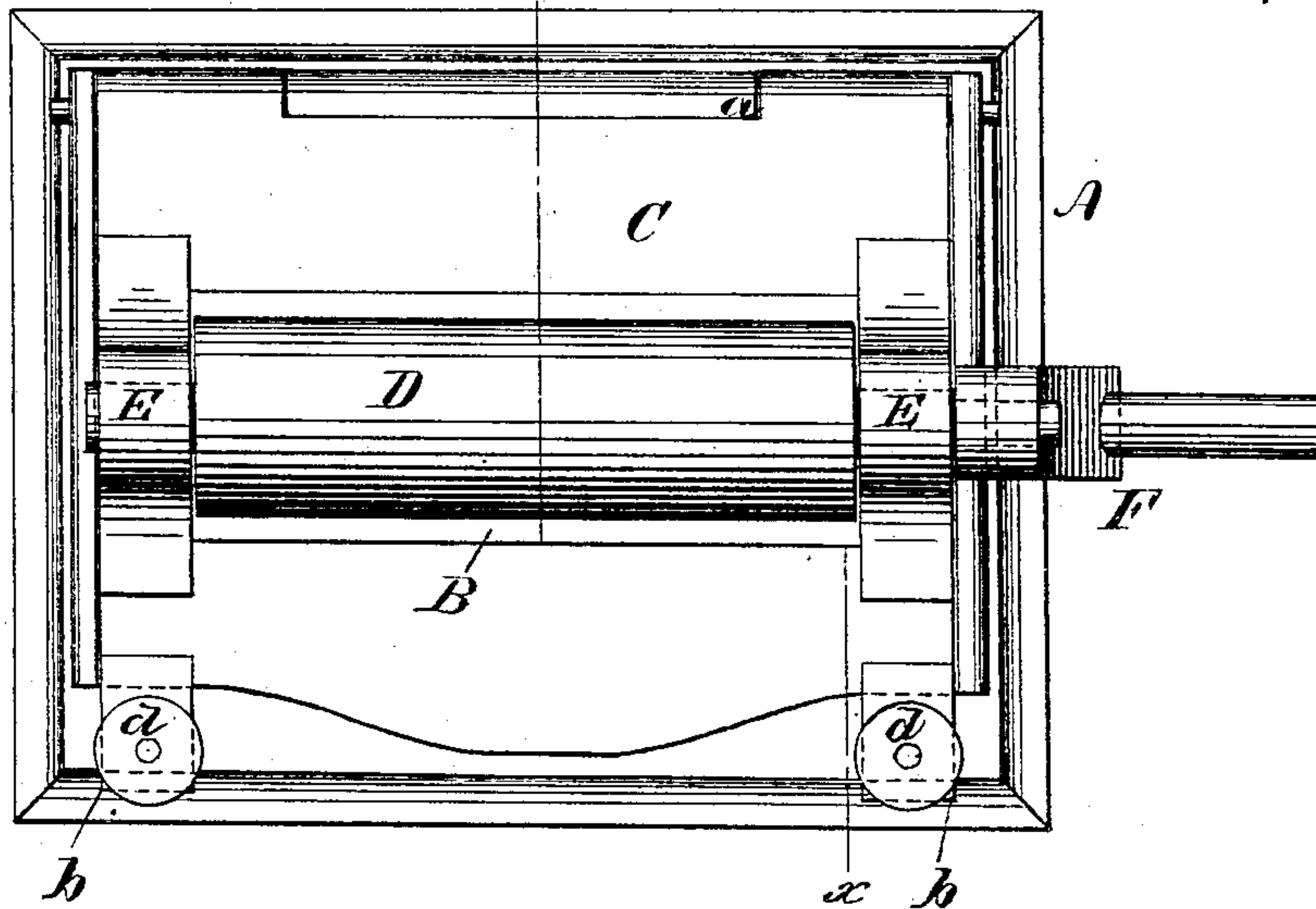


Fig. 2.



WITNESSES:

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES H. FERGUSON, OF LEAVENWORTH, KANSAS.

IMPROVEMENT IN PHOTOGRAPHIC BURNISHERS.

Specification forming part of Letters Patent No. **189,348**, dated April 10, 1877; application filed February 10, 1877.

To all whom it may concern :

Be it known that I, JAMES H. FERGUSON, of Leavenworth, in the county of Leavenworth and State of Kansas, have invented a new and Improved Photograph-Burnisher, of which the following is a specification :

Figure 1 is a transverse section on line $x x$ in Fig. 2. Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

My invention relates to apparatus for finishing photographs; and it consists in the combination of a bed-plate, to which a burnisher is attached, a feed-roll, and an adjustable frame for supporting the feed-roll over the burnisher.

The object of the invention is to provide apparatus for burnishing photographs, which is simple in construction, and in which the burnisher may be heated without the common and annoying difficulty of the roll becoming moist from the condensation of the vapor from the lamp used in heating the burnisher.

Referring to the drawing, A is the bed-plate of the machine, to which a burnisher, B, is attached. This burnisher consists of a plate of steel or other suitable material, which is hardened and finished. C is a frame, hinged to the bed-plate A at a , and provided with ears b , through which the studs c pass. These studs are securely fastened in the bed-plate A, and are provided with knurled thumb-nuts $d e$. The frame C is cut away at its center to allow the burnisher B to project through it. D is a feeding-roll, having journal-boxes E attached to the sides of the frame C, which support it

directly over the burnisher. The roll is turned by an ordinary crank, F.

The machine is secured to a bench, through which an opening is cut to permit of heating the bed by means of an ordinary kerosene-lamp, f , (shown in dotted lines in Fig. 1,) which is supported in any convenient way beneath the machine. The distance between the roll D and the burnisher is adjusted by the nuts $d e$, so that any required amount of pressure may be brought to bear upon the photograph. The photograph to be burnished is passed through the machine with its face downward in contact with the bumper, which is warmed as before mentioned.

The advantages claimed for my invention are that the device for regulating the pressure is simple and reliable, that the burnisher is heated economically, and the condensation of moisture on the feed-roll is entirely avoided.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, in a photograph-burnisher, of the stationary base A, stationary burnisher B, vertically-adjustable frame C, having an opening for the passage of the burnisher, and carrying the feed-roll D, substantially as and for the purpose herein set forth.

2. The studs c and nuts $d e$, in combination with the bed A and frame C, for adjusting the roller D, substantially as shown and described.

JAMES H. FERGUSON.

Witnesses:

GEO. C. WHITAKER,
SAM. ARMSTRONG.