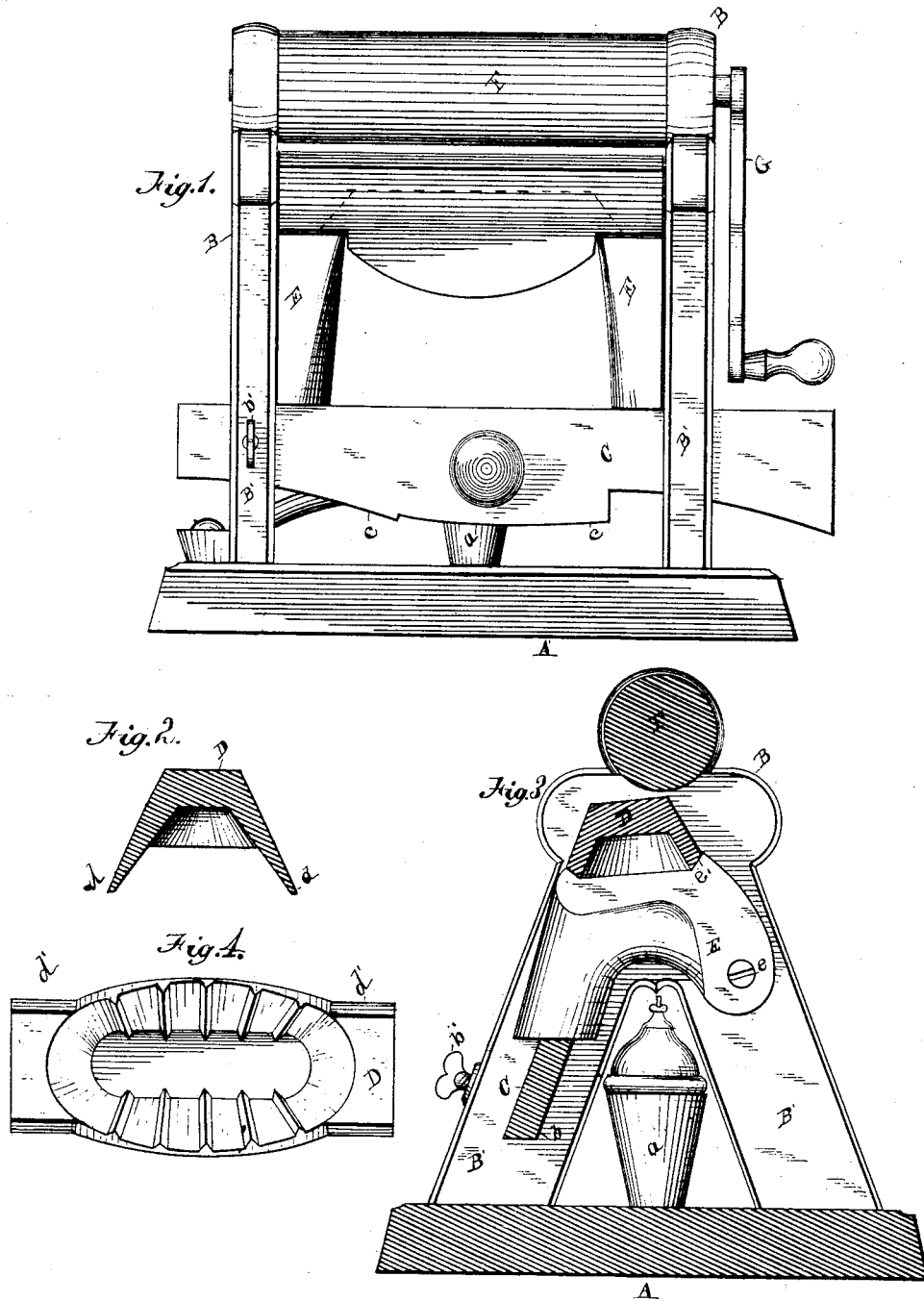


(Model.)

H. W. BRAY.  
PHOTOGRAPHIC BURNISHER.

No. 261,200.

Patented July 18, 1882.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

HORACE W. BRAY, OF PANA, ILLINOIS.

## PHOTOGRAPHIC BURNISHER.

SPECIFICATION forming part of Letters Patent No. 261,200, dated July 18, 1882.

Application filed May 16, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, HORACE W. BRAY, a citizen of the United States of America, residing at Pana, in the county of Christian and State of Illinois, have invented certain new and useful Improvements in Photographic Burnishers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain improvements in presses used in burnishing plates in photography; and it consists in the form of the burnishing-plate, the manner in which it is supported upon pivoted bearings, in the devices employed to elevate and depress it, and in the general combination of these elements, all of which will be hereinafter more particularly described, and set forth in the claims.

In the drawings, forming a part of this specification, Figure 1 is a side elevation of the press. Fig. 2 is a transverse section of the burnishing-plate. Fig. 3 is a sectional elevation of one of the standards, showing the pivoted support of the burnishing-plate. Fig. 4 is a view of the under side of the plate.

A is the base-plate of the press, of the usual thickness for stability and strength. On this base A are two standards, B B, each having two inclined legs, as seen in Fig. 3. In the leg B' of each standard are grooves *bb* for the admission of a bar, C, which is level on its top edge, but has two wedges, *c*, on the bottom edge, as seen in Fig. 1. The bar C has a handle, *c'*, by which it is to be moved, and in one of the legs B' there is a set-screw, *b'*, by which the bar C can be made fast, when desired.

D is the burnishing-plate, and is formed in cross-section, as seen in Fig. 2, like a saddle-tree, having the wings *d d* drooping down in a curve below the seat at *d' d'*. Fig. 4 shows this plate to be hollowed out in the form of an

oval dome, with the top flattened somewhat, as shown in dotted lines in Fig. 1. The insides of the wings *d d* are ribbed, as seen in Fig. 4, to strengthen them to resist the pressure and yet to be thin enough for the heat imparted by the lamp underneath, as seen in Fig. 3.

E E are the supports of the burnishing-plate D, and are pivoted strongly to the inside of the legs of the standards B B, as shown at *e*, Fig. 3. On the top of these supports are seats *e' e'*, sunk a little below the top, forming a recess for the flanges *d' d'* on the bottom of the burnishing-plate D at each end. The side of the supports E opposite to the pivot *e* rests upon the top edge of the bar C, and when the bar C is at its lowest point the burnishing-plate D can be easily removed from the recesses *e' e'* on the supports E E. The sliding of C in the other direction forces the supports E E far enough upward to carry the burnishing-plate up to the roller F, which is supported in suitable bearings on the top of the standards B, as seen in Fig. 1, where the handle G is fastened to the end of the roller. A lamp for burning gasoline vapor is placed upon a stand, *a*, which is secured to the base-plate A. The dome shape of the burnishing-plate serves to catch all the ascending heat from the burner below, and the ribs serve to strengthen the wings.

I claim—

1. The combination of the burnishing-plate with the pivoted supports provided with recesses for seating the plate, substantially as shown and described.

2. The combination of the bar C, provided with a double wedge, the supports on each side pivoted to the standards, the burnishing-plate, and the roller, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

HORACE W. BRAY.

Witnesses:

A. C. VANDEWATER,  
R. M. CARR.