D. & J. Rupp,

Photographic Press,

No. 50,632, Patented Oct. 24, 1865.

Fig. 2.

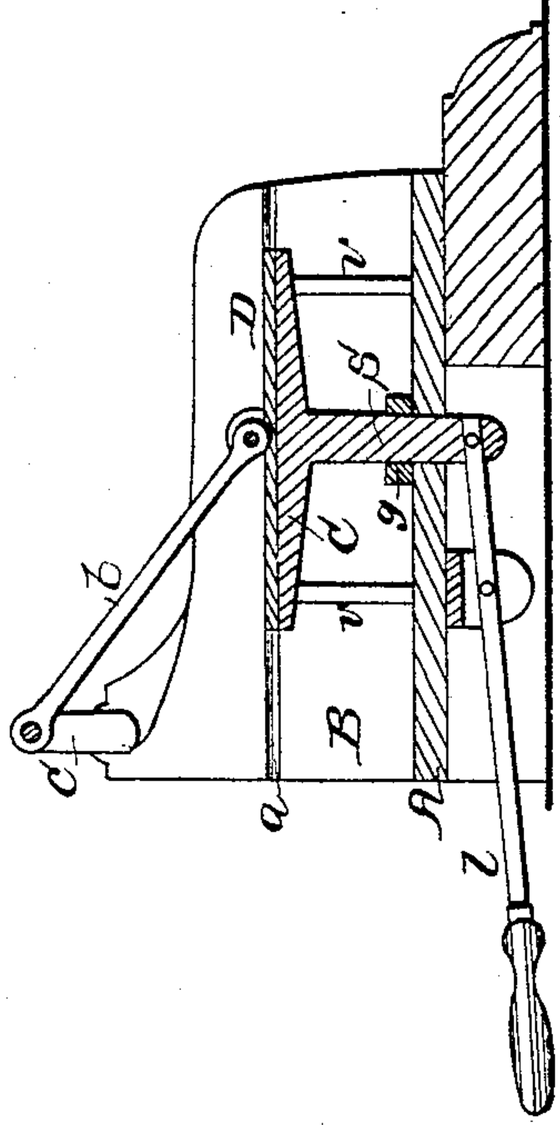
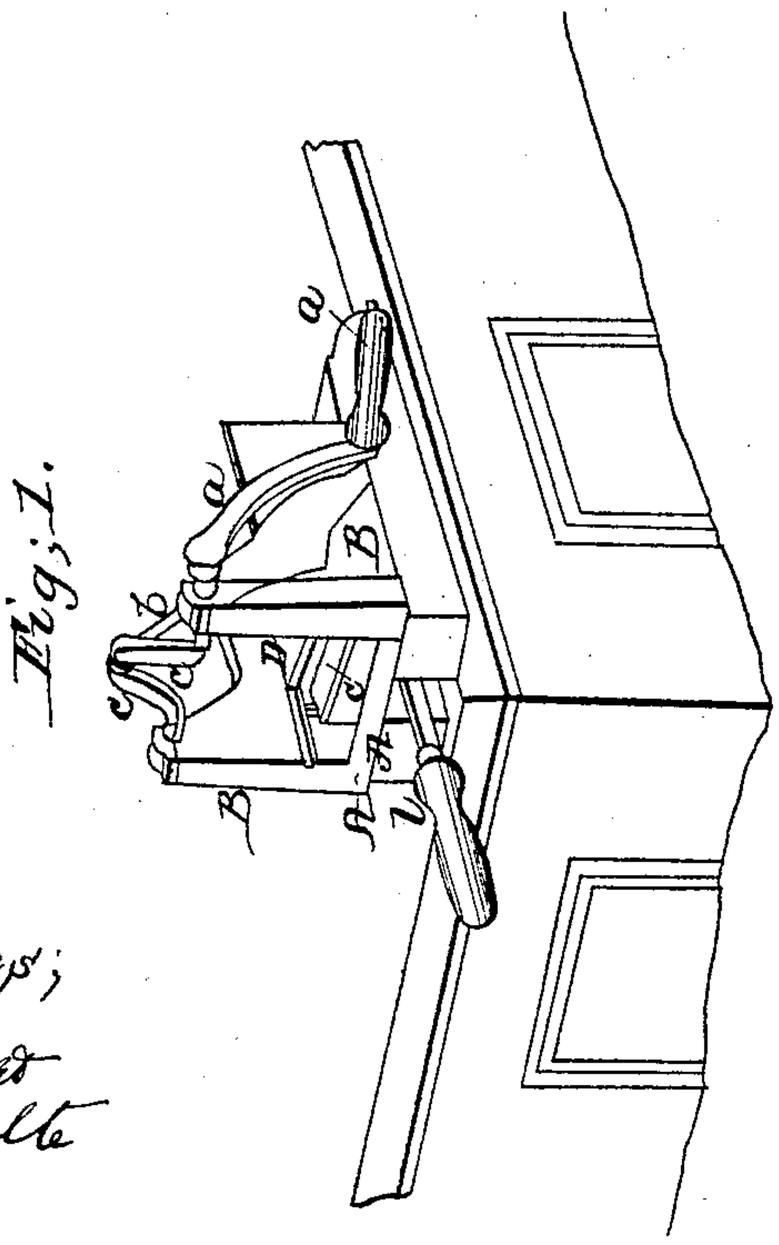


Fig. 1.



Witnesses;

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UNITED STATES PATENT OFFICE.

DANIEL RUPP AND JOHN RUPP, OF NEW YORK, N. Y.

MACHINE FOR PRESSING AND SMOOTHING PHOTOGRAPHS.

Specification forming part of Letters Patent No. **50,632,** dated October 24, 1865.

To all whom it may concern:

Be it known that we, DANIEL RUPP and JOHN RUPP, both of the city, county, and State of New York, have invented a new and Improved Machine for Pressing and Smoothing of Photographs, &c.; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

The nature of our invention consists in the application of a sliding plate together with a corresponding press plate, the first being movable back and forward by means of a crank or cranks and a rod for giving the same a straight guidance, and the other in a normal direction to the first by means of a lever, &c. The consequence of this arrangement is that photographs, cards, papers, &c., finished in this machine will not only have a plain and and smooth surface, but they will possess a a nice polish, and therefore a finer appearance.

We are well aware that rollers such as jewelers and other metal-workers are using are in use for the same purpose; but their comparatively high price, as well as the very incomplete finish they give, particularly to photographs, are already objections enough against their further application for this kind of work. For that very reason, and as our machines, besides the best finish they give to photographs, &c., allow to be sold for a much lower price, the utility of our invention is thus fully stated.

To enable others skilled in the art to make and use our invention, we will now proceed to describe its construction and operation with reference to the accompanying drawings, in which—

Figure I represents a perspective view, and Fig. II a longitudinal vertical section of the same.

Similar letters of reference in both figures indicate corresponding parts.

We commonly secure our machine firmly on the corner of a table-plate, as may be seen in the annexed drawings, whereby we are allowed to work with the same in a most convenient manner.

The main parts of our machine are the bottom piece, A, the side pieces, B B′, the press-plate C, and the slide-plate D. The same are made of hard wood or of cast iron. C and D are on their working or acting sides well planed and polished. A and B B′ are firmly combined together, so that they can resist the side pressure caused by the press-plate C and sliding plate D when in activity.

Below the bottom piece is the lever *l*, well secured on its place and combined on the end of its short arm with the stamp S of the press-plate C. The stamp S goes through the bottom piece, A, and the guiding-piece *g* of the same.

The press-plate C is guided by means of the four guide-pieces *v v*, secured on the inner sides of the side pieces, B B′. Thus the movement of the press-plate by means of the lever *l*, &c., will now fully be understood.

In the side pieces, B B′, about three inches from the bottom, are the guide-grooves *w w*, intended to guide the sliding plate D in a regular straight direction when set in motion. This motion may be accomplished by means of the double crank *c c*, rod *b*, and crank *a*, &c., or in any other convenient manner.

The sliding plate D is commonly made of good cast-iron, and on its acting side covered or plated with steel and well planed and polished.

In regard to the operation with our machine we have only to say that the photograph, card, &c., is placed on the press-plate C face side upward, which plate is then moved upward by pressing down the handle of the lever *l*. Then the sliding plate D is set in motion by turning the crank *a*. This is continued for about one minute or longer, whereafter the photograph, card, &c., will have received a plain and smooth surface, and according to the length of time it has been treated a nice polished or glossy appearance.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

Our new and improved machine for pressing and smoothing photographs, &c., having its several parts constructed and arranged in relation to each other and so as to operate together substantially as shown and described.

DANIEL RUPP.
JOHN RUPP.

Witnesses:
FR. RAECHHAUPT,
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