

G. W. Doty,
Photographic Printing Frame,
N^o 49,612. Patented Aug. 29, 1865.

Fig. 1.

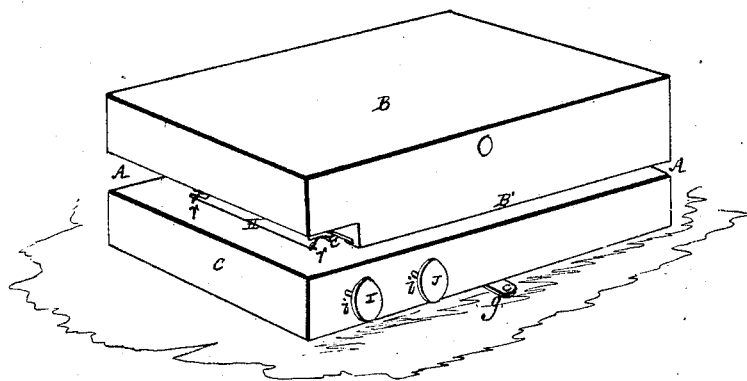


Fig. 2.

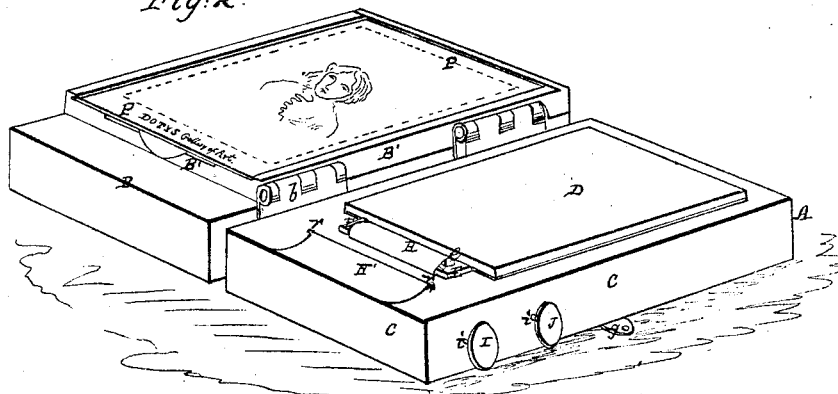


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE W. DOTY, OF LOCKPORT, NEW YORK.

APPARATUS FOR MOUNTING AND PRINTING PHOTOGRAPHIC CARDS.

Specification forming part of Letters Patent No. 49,612, dated August 29, 1865.

To all whom it may concern:

Be it known that I, GEORGE W. DOTY, of Lockport, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Apparatus for Mounting and Printing Photographic Cards; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the apparatus closed. Fig. 2 is a perspective view of the same opened. Fig. 3 is a vertical section.

Like letters of reference refer to like parts in the views.

My improvement relates to an apparatus whereby photograph-cards can be mounted and printed at the same time by one operation, that will be described as follows:

A represents the apparatus, formed in two sections, B and C, which are hinged together on one side, as seen at *b b* in Fig. 2. The part B of the section is of the shape of a photograph-card, only a little larger, and there is a depression on the upper surface to receive the card, which is slipped in at one end, the edges of the card fitting into grooves in the sides, as represented, whereby the card is held in place as it is being mounted and printed.

The section C is of a similar form to B, and on it is secured a glass plate, D, the face of which must correspond to the surface of the photograph-picture. The plate is cemented to the section, and it must be in such a position that when the sections are folded together it will fit accurately on the card, leaving the desired margin all round. At one end, a little below this plate, in the section is arranged the devices for the name, shown in Figs. 2 and 3, Fig. 3 being a longitudinal section of the part C of the apparatus. The type *e* for printing is placed and secured in a block, E, and on each side are rollers *F F'*, of prepared printing silk or ribbon H, which passes over the face of the type from one roll to the other. The shafts *i*, on which the silk or ribbon is rolled, extend out through the section on one side, and have hand-pieces I and J on the ends, by which the rolls are turned, unwrapping the silk from one and wrapping it onto the other, whereby the silk or ribbon is moved over the type as it is worn out or its printing properties used up. The name printed can either be the artist's, with the gallery of art, or the name of the person

that the photograph-picture represents, either set up in type or the person's autograph, as may be desired.

H' is a cap, hinged at *r r* to the section, so that it can be turned over onto the type, as in Fig. 3, or thrown back.

Underneath the rolls and block E is a slide, *m*, that can be drawn out to adjust the silk over the rolls or for any purpose.

The section C can be secured to a stand or table by means of the lugs *g*, projecting out on each side.

The manner in which this apparatus, as described, is used in mounting and printing photograph-cards is as follows: The card P is put into the section B, as before stated, and the photograph is placed on the plate D, the pictured side down on the face of the plate. The cap H' is adjusted over the printing devices to protect them from the paste that is then applied to the wrong side of the picture, when the cap is thrown back and the section B turned down on the section C, as represented in Fig. 1, and when it is pressed down the picture will be transferred from the plate D to the card and the impression of the name taken, and by raising the section B it will be found that the picture is perfectly mounted upon the card and the name printed below, as represented in Fig. 2, when the photograph-card, thus completed, mounted, and printed at the same time, can be removed and a blank card put in its place. In this way mounting and printing photograph-cards are greatly facilitated. Hitherto it has had to be done at two operations, the picture having to be placed on the card by hand and the printing done separately.

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

1. Mounting and printing photograph-cards at one continuous operation, as and by the means substantially as described.

2. The construction and arrangement of the sections B and C, jointed or hinged together, in combination with the plate D or its equivalent, as and for the purpose set forth.

3. The printing-silk H, type *e*, and cap H', arranged and operating, in combination with the sections B and C, or their equivalents, as for the purpose set forth.

GEO. W. DOTY.

Witnesses:

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