

No. 639,496.

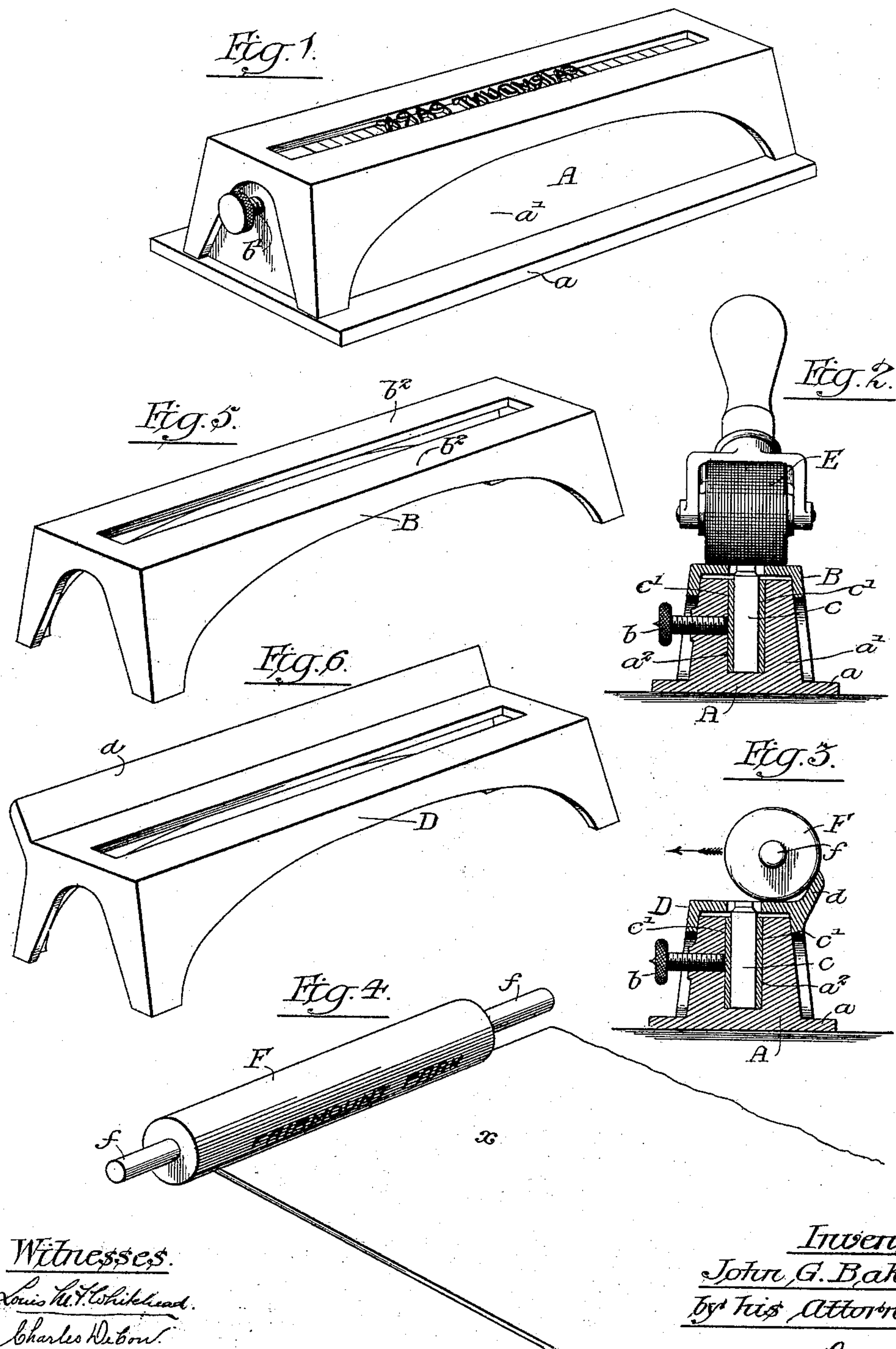
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J. G. BAKER.

APPARATUS FOR MARKING PHOTOGRAPHIC NEGATIVES.

(Application filed July 2, 1898.)

(No Model.)



Witnesses.
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UNITED STATES PATENT OFFICE.

JOHN G. BAKER, OF PHILADELPHIA, PENNSYLVANIA.

APPARATUS FOR MARKING PHOTOGRAPHIC NEGATIVES.

SPECIFICATION forming part of Letters Patent No. 639,496, dated December 19, 1899.

Application filed July 2, 1898. Serial No. 685,017. (No model.)

To all whom it may concern:

Be it known that I, JOHN G. BAKER, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Processes of and Apparatus for Marking Photographic Negatives, of which the following is a specification.

The object of my invention is to construct a device for printing the identification lettering upon photographic negatives in a satisfactory manner by the use of ordinary metallic type and transferring device.

In the accompanying drawings, Figure 1 is a perspective view of my improved type-holder with one cap-plate mounted thereon. Fig. 2 is a transverse sectional view showing the inking-cap on the type-holder. Fig. 3 is a transverse sectional view showing the transfer-cap mounted thereon with the transfer-roll in position. Fig. 4 is a perspective view showing the method of transferring the indicating-letters from the roller to the photographic negative. Fig. 5 is a perspective view of the inking-cap, and Fig. 6 is a perspective view of the transfer-cap.

Heretofore the lettering of photographic negatives for identification has been generally done by means of a rubber stamp or scratched by a needle upon the film. The first method is the one now in vogue; but this is not satisfactory in many instances, as it is impossible to print evenly with rubber type, and consequently great care has to be exercised. By my invention I can use metal type, set up in the ordinary manner, and transfer the impression onto a transfer-roller, from which it is transferred to the photographic negative.

A is the type-holder, made as shown in the drawings, having a base a and a tapered body a' , in which is a longitudinal groove a^2 for the reception of ordinary type c of type-metal. This groove is made wide to accommodate type of different thicknesses, and I mount on each side of the type a filling-strip c' and use a screw b for adjusting the strips to the type. A screw b' at the end is used as a clamp-screw for clamping the type tightly in the holder. In some instances the strips c' and the screw b can be dispensed with where it is desired to use type of a given thickness.

Adapted to be mounted on the type-holder

are two caps B and D, as shown in Figs. 5 and 6. The cap B is the inking-cap, the surface b^2 of the cap acting as the ink-distributing table. A handled inking-roller E of any suitable form is used, and the ink is first worked over the surface b^2 of the cap B by the roller until the ink is thoroughly distributed thereon. The cap B is then placed on the type-holder A and the inking-roller run over it, as shown in Fig. 2, inking the surfaces only of the type. The upper surface of the cap B prevents the roller smearing the edges of the type, insuring a proper transfer and making it impossible even for a careless person to place more ink upon the type than necessary. After the type is inked the cap B is removed and the cap D is placed in position, as shown in Fig. 3. This cap is perfectly clean and is preferably provided with a flange d , which will support the transfer-roller F previous to its being rolled over the inked type, insuring a perfect alinement.

The roller F can be made of any suitable material that will receive the transfer and is provided with two extensions $f f$ at each end, which may be held by the ends to move the roller over the inked type and to transfer it onto the photographic plate x , Fig. 4. By resting the roller against the edge of the plate and then moving it forward evenly the transfer can be made onto the face of the negative in any position desired.

I find that I can accurately mark the negatives by the apparatus above described in a satisfactory manner.

The sides of the body are preferably made beveled, as shown, and the flanges of the caps B and D are also beveled to correspond to the bevel of the body, so that when the cap is placed upon the body a snug fit is assured.

I claim as my invention—

1. The combination of a holder adapted to receive a row of printing-type, the face of the type projecting above the surface of the holder, a cap-plate adapted to be placed upon the holder, an opening in the cap-plate through which the type extends, the upper surface of the cap-plate being on a line with the face of the type, substantially as and for the purpose specified.

2. The combination of a holder for type, the face of the type extending above the sur-

face of the holder, with two cap-plates fitting said holder and each having an opening through which the type extends, one cap-plate acting as the inking-table for an ink-roller when applied to the type, and the other cap-plate acting as a support for the impression-roller, substantially as described.

3. The combination of the body A slotted to receive a row of type, said type projecting above the body, means for securing the type in the holder, a cap-plate having a flange, and slotted for the projecting portion of the type, with a transfer device adapted to be guided by the flange, substantially as described.

4. The combination of a body A having tapered sides and slotted to receive type, means for holding the type in place, a cap having tapered flanges adapted to fit over the tapered sides of the plate and slotted so that the type can project through the cap, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN G. BAKER.

Witnesses:

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