

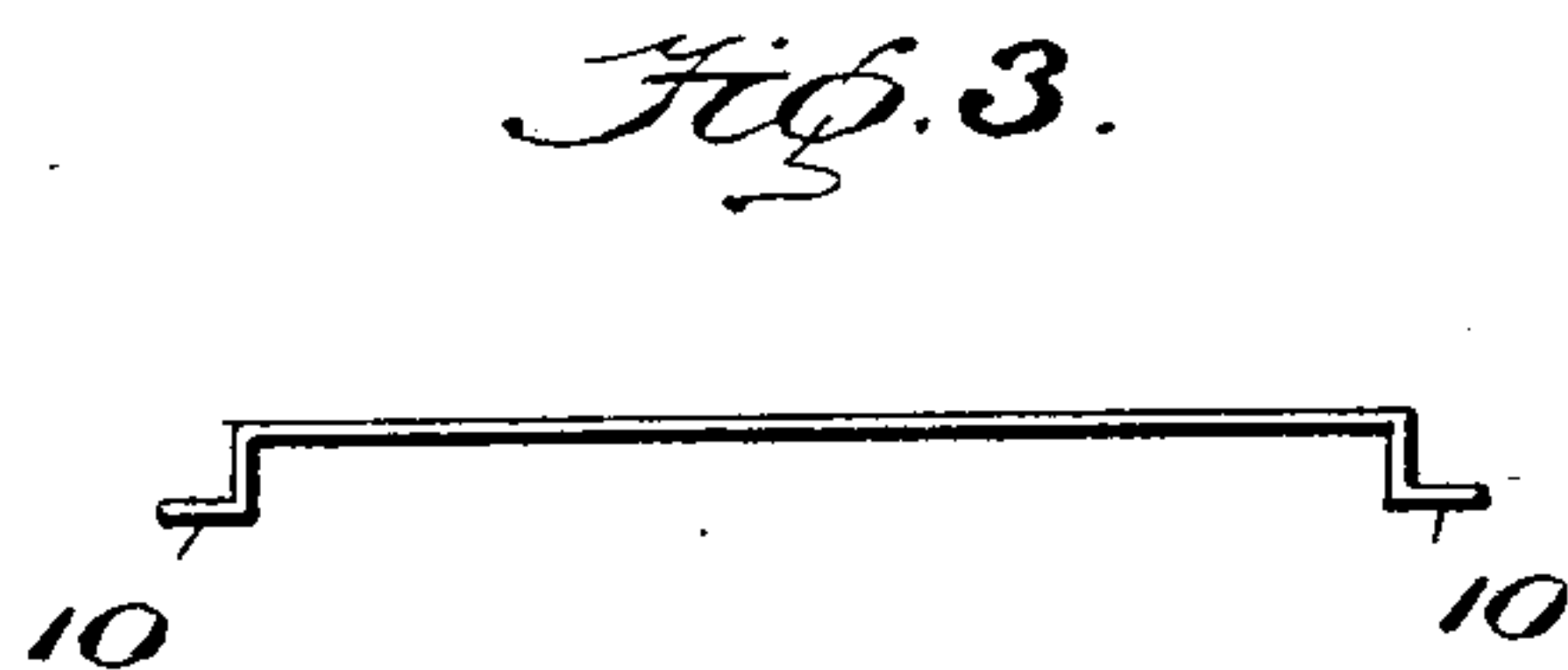
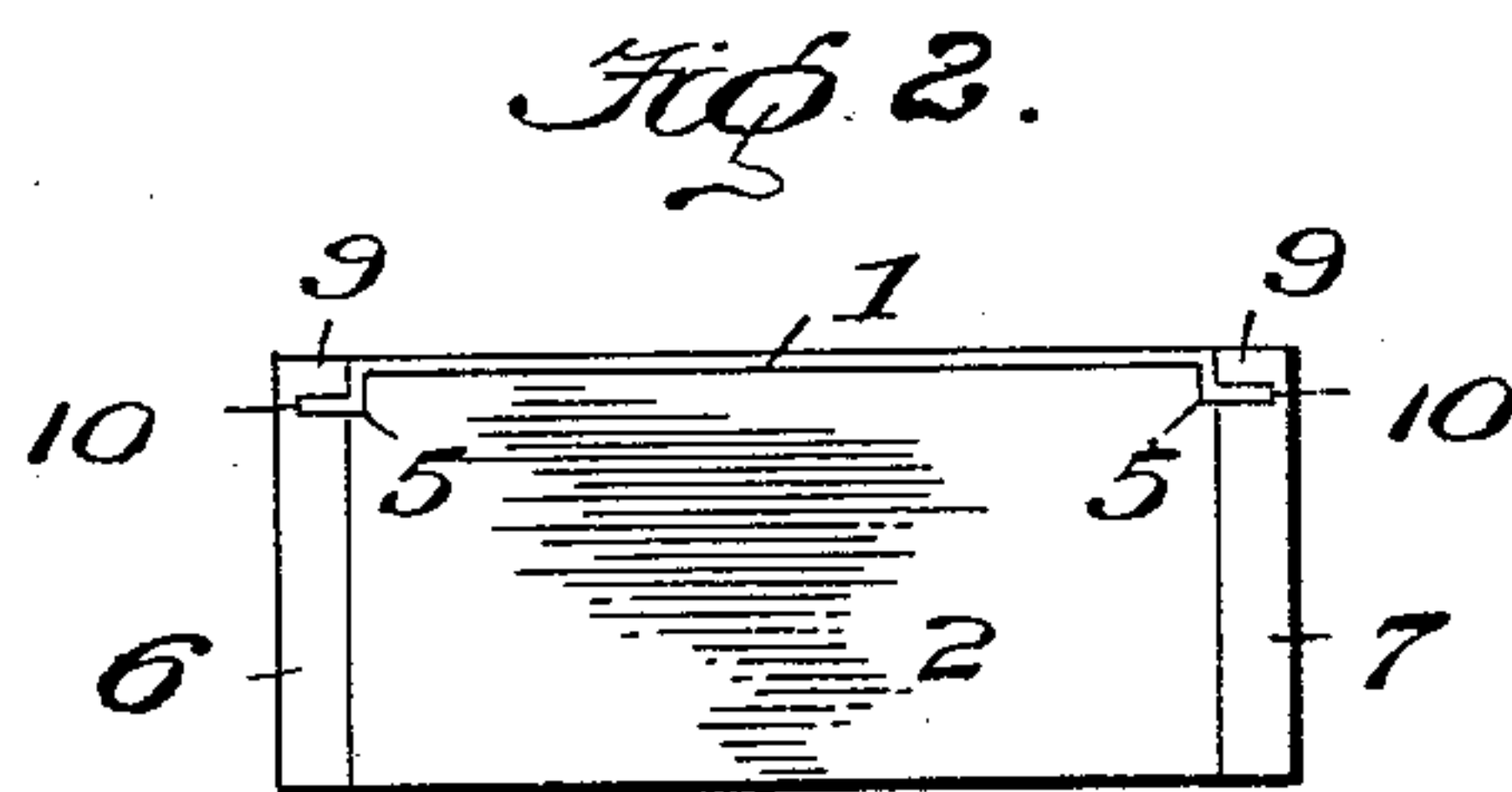
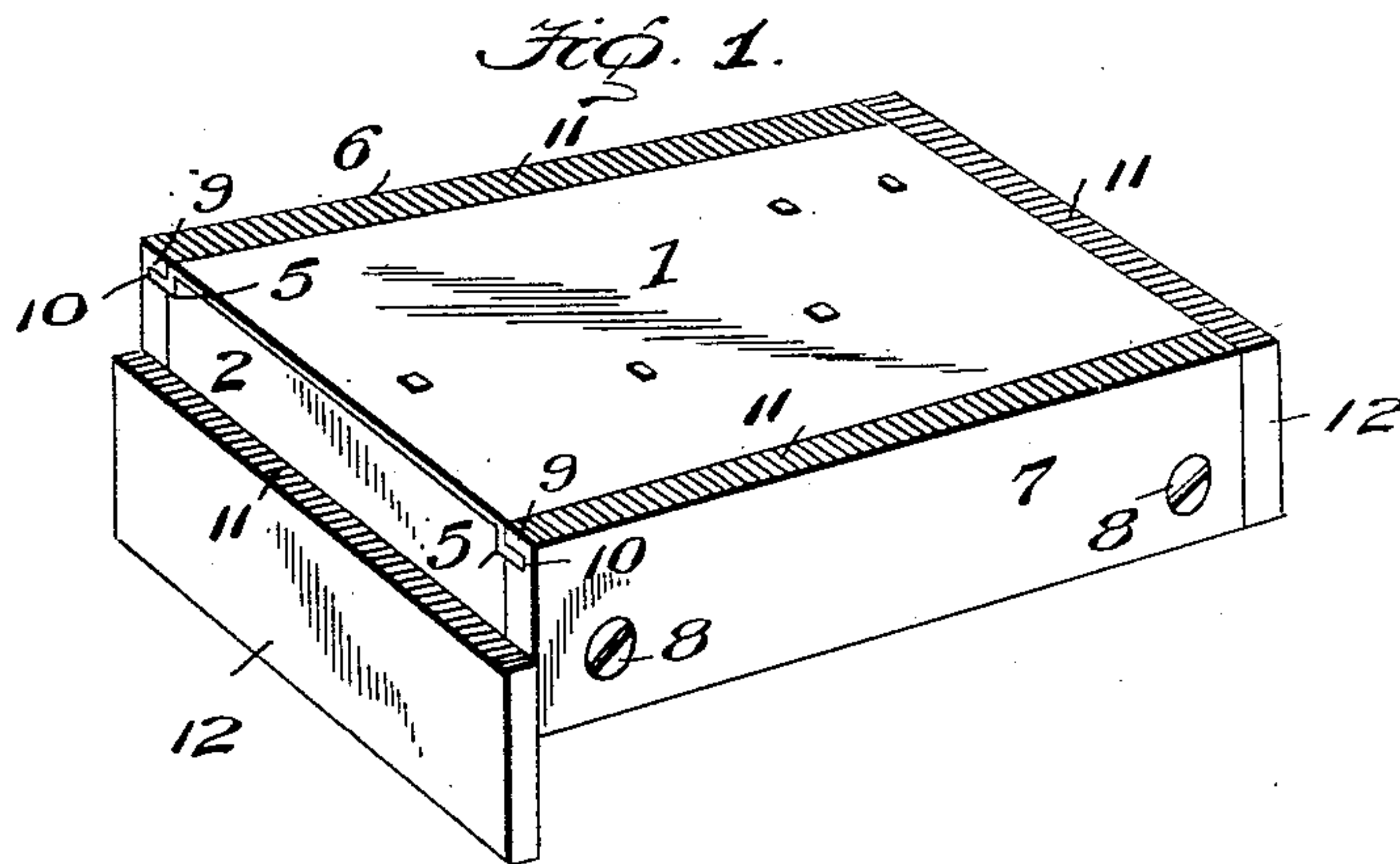
No. 710,970.

Patented Oct. 14, 1902.

H. HAMLIN.
MEANS FOR SECURING PRINTING PLATES.

(Application filed Sept. 23, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

HORACE HAMLIN, OF PHILADELPHIA, PENNSYLVANIA.

MEANS FOR SECURING PRINTING-PLATES.

SPECIFICATION forming part of Letters Patent No. 710,970, dated October 14, 1902.

Application filed September 23, 1901. Serial No. 76,259. (No model.)

To all whom it may concern:

Be it known that I, HORACE HAMLIN, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented certain new and useful Improvements in Means for Securing Printing-Plates, of which the following is a specification.

My invention relates to means for securing printing-plates of zinc or copper, such as line-etchings and half-tones, to their individual bases or blocks.

The object of the invention is the provision of simple and novel means for detachably securing such printing-plates to their individual bases, whereby the user can utilize the same base or block and readily apply thereto other similar printing-plates at any time.

The invention also has for its object the provision of an improved connection or means for fastening the printing-plate to its individual base which will hold the plate perfectly rigid and secure at all times, while permitting ready detachment.

Having the foregoing and other not specifically mentioned objects in view, the invention consists of a novel and improved construction and arrangement of parts, set forth in detail in the following description, and whose novel features are recited in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of the complete invention, showing the etching applied to its individual base and the loose end clamp member in relative position for attachment; Fig. 2, an end view of the base with the end plate removed, and Fig. 3 an end view of the etching after bending.

Referring to the drawings, the numeral 1 designates a thin etching of, say, column width, and 2 is the individual base for the etching. The base 2 is provided along its longitudinal edges with rabbets 5, while 6 and 7 designate independent clamp-plates directly secured or fastened to the base by any preferred fastening, such as screws 8, and these clamp-plates have lips 9, which overlap the rabbets 5 and are adapted to hold the bent edges or lips 10, Fig. 3, of the etching firmly down in the rabbets, thus causing the etching to lie flat on top of the base with its top level with the upper surface of the clamp-plates, (see Fig. 2,) which latter are here en-

graved, as at 11, Fig. 1, so that a line-border will be formed in connection with the etching which is completed and the etching held in position by end plates 12, one of which is screwed to the base, the other being held by lock-up of form, holding the etching against longitudinal displacement. In Fig. 1 the loose end plate 12 is shown detached, illustrating how it is applied after the etching has been slid into position.

Any desired form of bending device can be used to shape the edges of the etching to adapt it to the base, after which it is slid in position longitudinally of the base and clamp-plates.

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

1. Means for securing half-tones, line-etchings, and other like printing-plates to their bases, comprising rabbets in the base, independent clamp-plates secured to the sides of base and having lips overhanging the rabbets and defining in connection therewith grooves or slits, and bendable edges on the printing-plate which are adapted to be removably located in the grooves after bending, said bent edges when in the grooves, being each secured in the rabbets by the lips.

2. Means for securing removable half-tones, line-etchings, and other like printing-plates having bent edges to their bases, comprising the base, independent clamp-plates for the edges of the printing-plate said clamp-plates being fastened to the base and extending type-high and adapted for printing a border for the printing-plate.

3. Means for securing removable half-tones, line-etchings, and other like printing-plates to their individual bases, comprising the individual base, and independent clamp-plates adapted to directly engage the edges of the printing-plate and secure it on the said base, said clamp-plates being directly fastened to the said base and extending type-high and adapted for printing a border in connection with the printing-plate.

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

HORACE HAMLIN.

Witnesses:

WALLACE REDMOND,
HENRY C. HUEY.