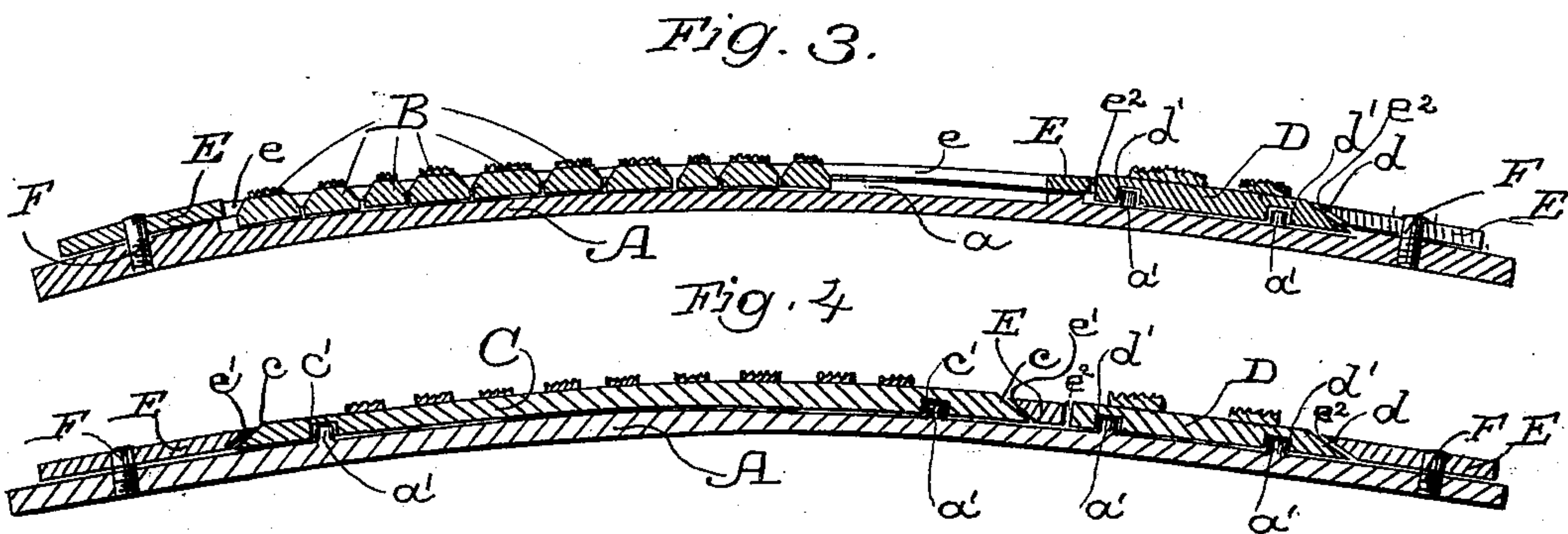
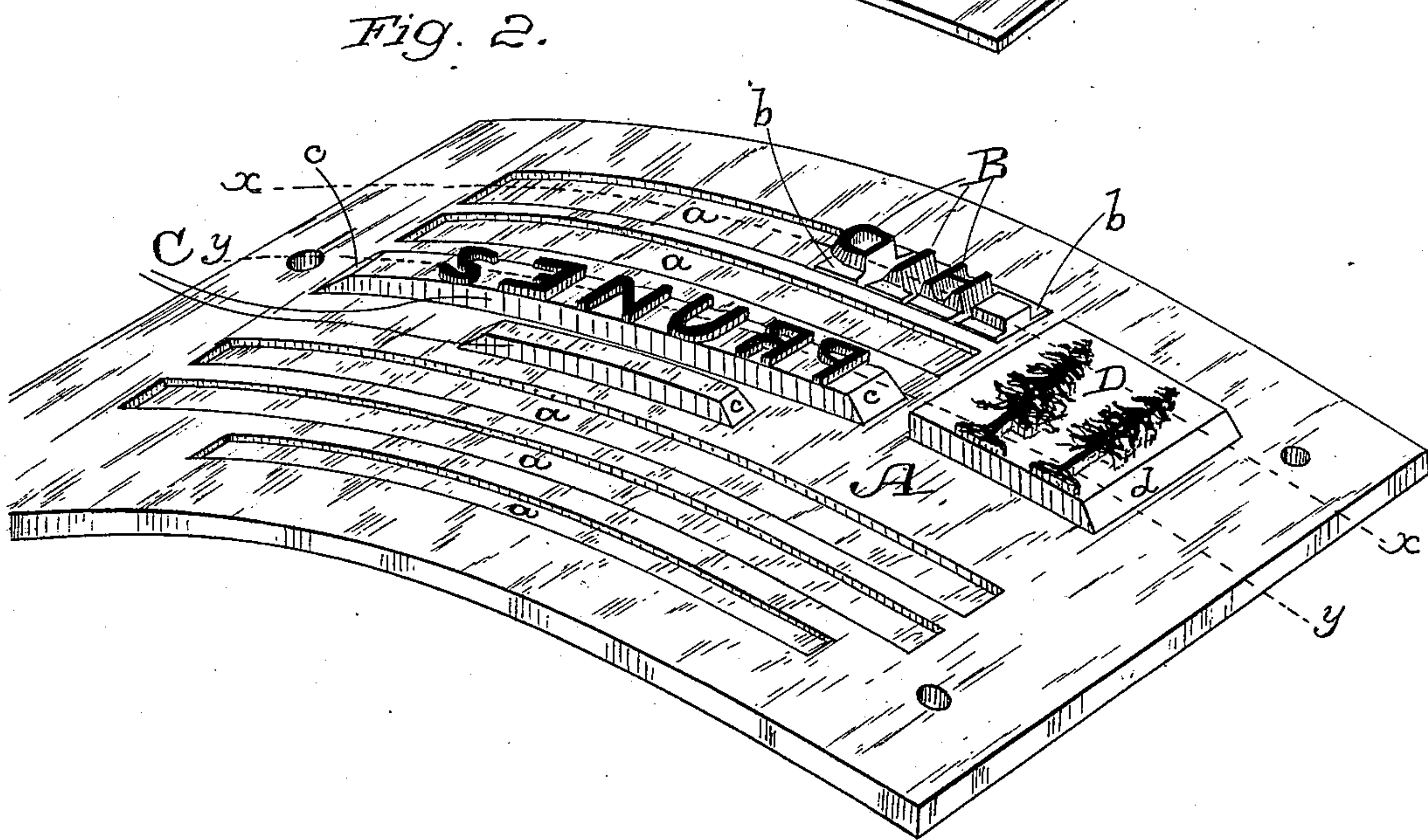
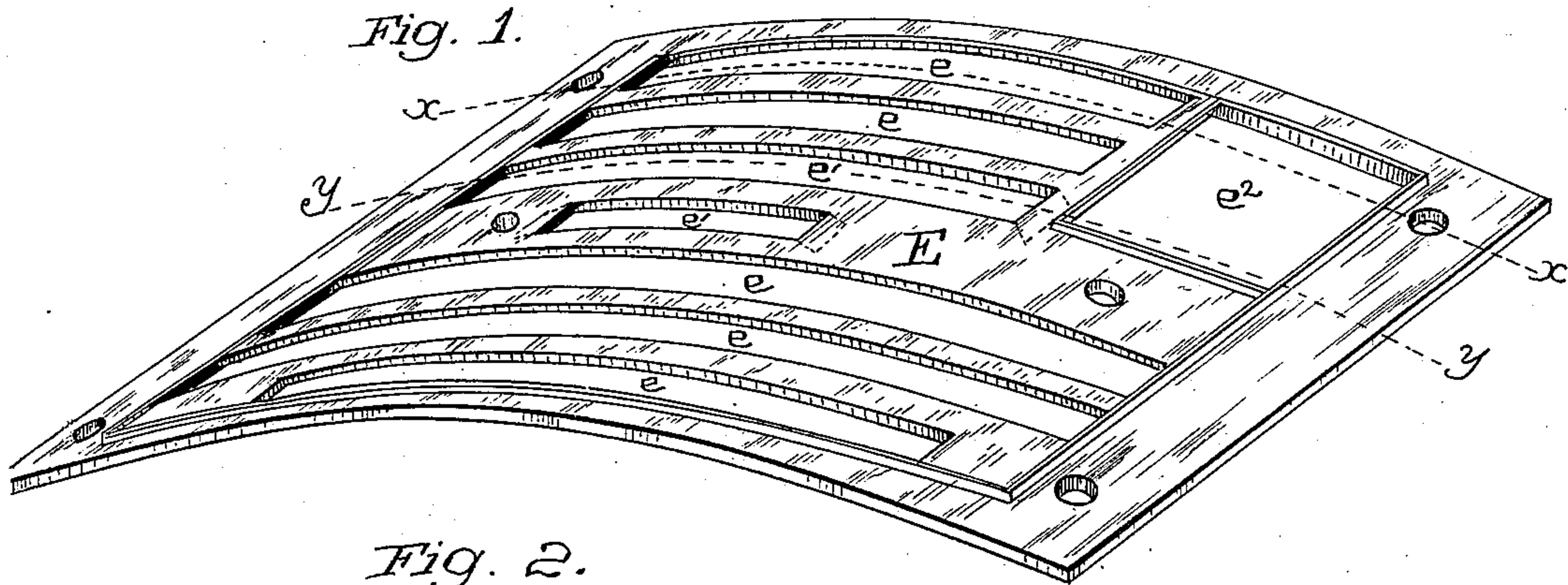


(No Model.)

A. E. NEWBY.  
HOLDER PLATE FOR TYPE.

No. 512,447.

Patented Jan. 9, 1894.



Witnesses,  
J. A. Bayless

Inventor,  
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By D. W. Dowdy & Co. attys



# UNITED STATES PATENT OFFICE.

ABNER E. NEWBY, OF SAN JOSÉ, CALIFORNIA.

## HOLDER-PLATE FOR TYPE.

SPECIFICATION forming part of Letters Patent No. 512,447, dated January 9, 1894.

Application filed February 8, 1893. Serial No. 461,509. (No model.)

*To all whom it may concern:*

Be it known that I, ABNER ELI NEWBY, a citizen of the United States, residing at San José, Santa Clara county, State of California, have invented an Improvement in Holder-Plates for Interchangeable Type; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to that class of holders for receiving and confining several independent parts, such as letters, dies, designs, cuts, and other characters, but especially intended for the holding of removable and interchangeable type and other character dies, whereby they may be combined into various printing plates for striking off placards, posters, labels, trade marks and names, &c.

My invention consists in the novel holder, consisting essentially of the peculiarly constructed bed-plate, and the overlying clamping frame adapted to hold the type, or other character dies to the bed-plate, as I shall hereinafter fully describe and specifically claim.

Though my invention may be applied to any of the uses to which a printing plate having interchangeable characters is applicable, the particular use I have in view is that of readily setting up and printing various trade marks, and labels used upon different kinds of goods. In this use it saves the time and expense of separate dies for each mark or label, thus rendering it possible to furnish, at short notice and at small cost, a number of designs, to various purchasers, all by the use of the same holder in preparing or setting them up.

Referring to the accompanying drawings for a more complete explanation of my invention,—Figure 1 is a perspective view of clamping frame E. Fig. 2 is a perspective view of bed-plate A. Fig. 3 is a section on lines  $x-x$  of Figs. 1 and 2. Fig. 4 is a section on lines  $y-y$  of Figs. 1 and 2.

A is the bed-plate, which may be flat or as here shown, curved, to adapt it for use on a cylinder press. In the surface of the bed-plate are made shallow grooves  $a$ , one or more in number.

B are the independent type, representing letters or other characters. Each is formed with an extended base, such as a flange  $b$  and said type are adapted to be seated easily in the

grooves  $a$ , the surfaces of the base flanges being flush with the surface of the bed-plate.

C represents what is commonly termed an "insert" being a die formed with fixed letters or types or other characters, and adapted for general use with a whole line of marks or labels, such as the word "Prunes" as here shown. An insert of this character might be formed with base flanges and seated in grooves similarly to the independent type, but it is best to secure these inserts by means of sockets  $c'$  in their under sides fitting over pins  $a'$  in the bed-plate, in which case the ends  $c$  of said inserts will be extended beyond the lines of their faces by beveling, as shown, and thus form clamping surfaces similar and equivalent to the base flanges of the type.

D represents a die or plate with a pictorial representation of the particular mark to be printed, such, for example, as the twin pines here shown. This die or plate is secured by sockets  $d'$  and pins  $a'$ , and has beveled edges  $d$  similar to the insert C. The type, inserts and plates will all be formed either with plane surfaces or curved to suit the curvature of the bed plate.

E is the clamping frame. It has apertures or openings  $e$  made in it to fit over the type B, the under surfaces of the frame, adjacent to the openings bearing on the base flanges  $b$  of said type, and thus holding them to their seats in the bed-plate. It has also apertures or openings  $e'$ , to receive the inserts, and the ends of these openings are beveled to fit and hold the beveled ends of said inserts. It has also an aperture or opening  $e^2$ , to receive the pictorial die or plate D, and the edges of this opening are beveled to hold the beveled edges of said die or plate.

The clamping frame is secured to the bed-plate by screws F. To change the matter in the holder, in order to fill another order, the screws F are removed and the clamping frame E is lifted off. The type B are taken out and others substituted. Likewise with the inserts, if necessary, and with the dies or plate D. Then the clamping frame is replaced and screwed down to the bed-plate. In this operation, the matter being set up, is in plain sight and can be properly observed and arranged, a decided advantage over a construction which requires the type and other char-

acters to be dropped through a skeleton plate from the back. Then, the provision of a separate, strong and stiff bed-plate to receive the pressure to which the device is subjected in the printing operation, is a great advantage over any construction which uses a receiving plate, and employs the press cylinder as a backing to hold the characters in place.

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

In combination, a plate provided with grooves having located therein upwardly projecting pins or studs, type, plates, dies or other characters located in said grooves and pro-

vided on their under surfaces with sockets into which project the studs or pins and further provided with bevel ends, a clamping frame having apertures or openings corresponding in outline to the said grooves and provided with bevel edges to engage the corresponding bevel edges of the type, &c., and screws for clamping said frame in place, substantially as herein described.

In witness whereof I have hereunto set my hand.

ABNER E. NEWBY.

Witnesses:

S. H. NOURSE,

GEO. H. STRONG.