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W. F. CHOATE.

COMBINED CARD AND STENCIL OR TYPE PLATE FRAME.

APPLICATION FILED FEB. 3, 1906.

Fig. 1

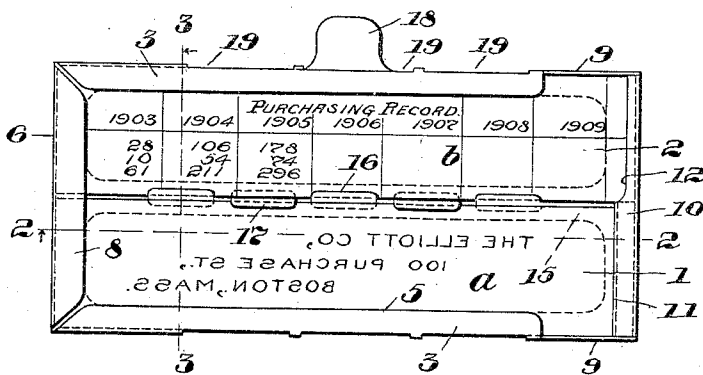


Fig. 2

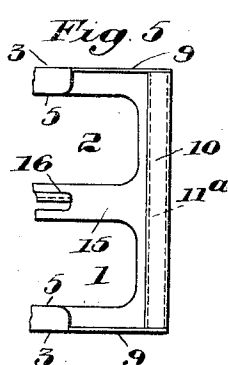
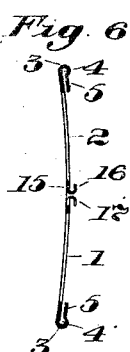
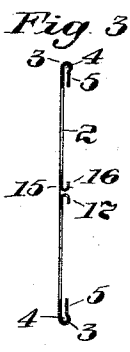
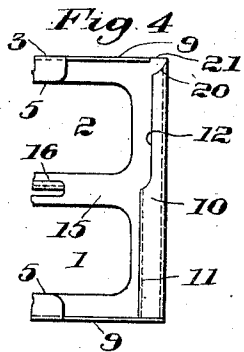
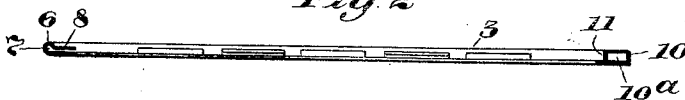


Fig. 7

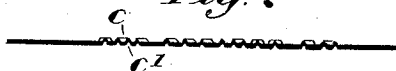
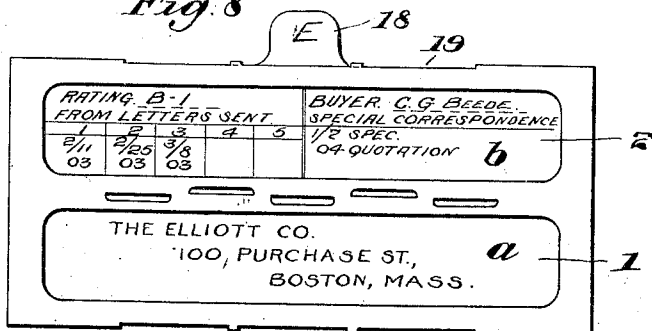


Fig. 8



Witnesses:

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UNITED STATES PATENT OFFICE.

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COMBINED CARD AND STENCIL OR TYPE-PLATE FRAME.

No. 866,775.

Specification of Letters Patent.

Patented Sept. 24, 1907.

Application filed February 3, 1906. Serial No. 299,260.

To all whom it may concern:

Be it known that I, WILLIAM E. CHOATE, a citizen of the United States, residing at Melrose, in the county of Middlesex and State of Massachusetts, have invented an Improvement in Combined Card and Stencil or Type-Plate Frames, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention relates to holders for stencils and printing plates, particularly adapted for use in connection with what are known to the trade as addressing machines. These holders are adapted to hold or retain a stencil or type plate by means of which the address represented thereby can be printed upon any desirable matter, the frames being adapted to be run consecutively through an addressing machine.

In addition to a type plate or stencil, as the case may be, some of the holders in present use are also provided with a part or section to retain a card adapted to receive, upon its upper face, memoranda, annotations, etc., relating to the stencil or type plate, but as at present constructed, the upper face of the card is only available for commercial use, as the rear face rests upon the solid back of the holder. Furthermore, in all the holders provided with a type plate, since the plate is not directly readable positively, the card carried by said holder usually has printed upon it the address represented by the type plate to facilitate identification of the plate or holder when stored away in a drawer or other holder, thus using up a considerable portion of the space that would otherwise be available for the commercial uses to which reference has been made.

My invention aims to provide a combined card and stencil or type plate holder presenting more card surface for commercial uses, and contemplates in combination therewith, the use of a type plate that is readable positively from its back, avoiding the necessity for having the address corresponding to the type plate, repeated or printed upon the card, thus leaving the entire upper surface free for commercial use; moreover, my frame is provided with a plurality of longitudinal slots over or upon which the type plate and the card are respectively positioned, enabling both to be easily read therethrough and presenting the back of the card for making annotations, etc., thereon, or for other commercial uses. The portion of the holder that receives the type or printing plate is, of course, equally adapted to receive a stencil plate.

My invention aims to improve the holder described and claimed in U. S. patent to S. Elliott, No. 708,628, September 9, 1902, and especially such other forms, to which reference has been made, as are provided with means for retaining either a stencil and a card, or a type plate and a card, my holder being adapted to retain

either a stencil or a type or other printing plate and a card.

The holders are adapted to be moved automatically in an addressing machine in either a longitudinal or transverse direction, as desired.

These and other features of my invention will be best understood and appreciated by reference to the following description when taken in connection with the accompanying drawings of an illustrative embodiment of my invention, while its scope will be more particularly pointed out in the appended claims.

Referring to the drawings, Figure 1 is a plan view of the holder; Fig. 2, a longitudinal section thereof on line 2-2, Fig. 1; Fig. 3, a transverse section on line 3-3, Fig. 1; Figs. 4 and 5, plan views of the stop ends of modifications; Fig. 6, a transverse section of a modification used upon rotary presses; Fig. 7, a longitudinal cross section of the type plate; and, Fig. 8 is a view of the back of the frame shown in Fig. 1.

In the particular embodiment of my invention selected for illustration herein and shown in the drawings, see Figs. 1, 2, and 3, my type holder is stamped or formed out of a single plate and presents a skeleton frame provided with two longitudinal approximately rectangular recesses or slots, 1, 2, the lower slot, 1, being adapted to receive either a stencil or a type plate *a*, as desired, a type plate being shown in the drawing, and the upper slot 2, a plain card *b*, on which memoranda, annotations, etc., are placed to preserve a record relating to said stencil or printing plate.

By using a slotted holder the printing or type plate (Fig. 7) may be read directly through the slot 1 from the back of the holder, the type employed being formed by a punch and die of such form that the characters are sharply defined or distinctly legible on both sides of the plate, the rear side presenting a positively readable address in intaglio, and its opposite or front side a corresponding negative address in relief. If a stencil is used, that, of course, can be read from either side. The slot 2, for the card, leaves the entire surface of both sides of the card free and accessible for commercial purposes, such as memoranda, annotations, etc. Since the plate or stencil is visible from the back, from which side the negative printing characters appear, of course, positively and readily legible, the plate or stencil serves every purpose of an address card, whence it is not necessary to print the address or other matter represented by the type on the card, as is common in the holders in commercial use, where the type plate is invisible from behind. Thus, a great saving of memoranda space is secured, which is a very desirable feature in commercial holders.

To provide retaining means for holding the card and the stencil or type plate, and to protect them from injury while therein, the sides of said holder are folded

over, forming flanges 3, as described in said patent, presenting grooves or channels 4, to receive the outer edges of the sides of the card and the stencil or the type plate, said flanges 3, in the present instance, however, being 5 curved upwardly and inwardly toward the plate, and finally parallel thereto, with their ends 5, slightly separated from the face of the frame. The bends of these flanges form suitable spacing devices, enabling the holders to be removably and insertibly placed in a pile, one 10 over or under another, either end- or sidewise, as desired, or to be stored in a rack, drawer, or other holder, or to be used in an addressing machine, without injury to the type face or without defacing the card or stencil, said retaining ends 5, holding the card and plate within 15 the frame and depressed below the upper face of the spacing flanges. One end of the holder is bent in the same manner, forming an end flange 6, a similar channel 7, and a depressed end 8, the adjacent edges of the side flanges 3 and 6 and portions 5 and 8, respectively, 20 being cut away to prevent overlapping. The side flanges do not extend to the opposite end, a rectangular portion adjacent said end being removed in cutting or forming the blank; the edges being bent up at this portion of the holder, or provided with an upturned flange 25 9, to strengthen it. The opposite end of the holder has a flange 10, bent transversely to the face thereof, and then inwardly parallel thereto, one half of its length being finally bent down at right angles thereto, inclosing a rectangular space 10^a, said end portion forming a 30 spring or yielding stop 11, to bear against the end of the stencil or type plate and hold its edges in place within the channels 4, 7 (Fig. 2), and preventing it from movement therein. The other half of this inturned flange is cut away at 12, to form an edge or channel groove 35 similar to that of the sides of the holder to facilitate insertion and retention of the other end of the card. The outer end of this cut away portion (Fig. 1) abuts the adjacent upturned edge 9, of the flange 3. For receiving and holding the inner edges of said card or plate, the intermediate portion, constituting a band or rib 15 of the 40 holder and which is either integral or secured thereto, is provided with a series of oppositely turned angular clips 16, 17, formed by cutting into said rib 15 and folding the tongues thus formed back over the rib. The 45 several clips are of approximately the same size and are aligned so that each forms a suitable inner edge guide and holder for its card or plate.

That the holders may be suitably indexed, some of the cards *b*, are provided with one or more index 50 tongues 18, the holder flanges 3 for the card having one or more slots 19, somewhat larger than said projecting tongue 18 (see Fig. 1) of said card, to permit its insertion and sliding the card into place, so that the end of the card rests against the bottom of the end channel 55 7, its other end being retained by the flange 10. These slots 19, may, of course, be cut wherever desired, so that the usual form of index cards may be used.

The slots 19 of the combined spacing and retaining flanges 3 or 5, which are cut at predetermined positions, 60 and the projecting tongues 18 of the cards *b* that fit in said slots, constitute suitable means by which the holders may automatically be sorted out or distributed when run through the addressing machine in which they are used, the holders having tongues at one portion 65 being sent to one destination, while the others are

differently distributed. By this means, my holder is provided with what I term expiration features, since the holders are sorted out according to the time of the expiration of the magazine or other periodical that is addressed by the type plate upon the holder in the 70 usual manner, though obviously these features may be utilized for other sorting or distributing purposes, or for duplicating, triplicating, etc. the addressing.

In inserting the card, it is, when of the index type, buckled so that its sides can be positioned under the 75 clips 16 and flanges 3; the ordinary card, however, is inserted in the end having the flange 10, by sliding the sides and end under the clips 16 and the flanges 3 and 6, respectively, until the end rests in the bottom of the channel 7. In this position the outer end of the 80 card overlies the upper face of said flange 10, and is placed beneath it or within the retaining groove formed thereby by buckling the said end transversely.

In the modification shown by Fig. 4, the adjacent corners of the cut away portion 12 and the upturned 85 edge 9 of the end and side flanges 3 and 10, respectively, are provided with notches 20 and 21, respectively, to facilitate positioning the adjacent end of the card beneath the flange 10 by the aid of a tucking tool supplied with these holders. 90

The construction shown by Fig. 5 shows the end retaining device or flange 10 turned down to provide a stop 11^a extending clear across the end, said flange being first bent inwardly and then transversely toward 95 the frame in the same manner as plate stop 11, referred to, and as best shown in Fig. 2.

The modification represented by Fig. 6 shows my improved holder curved to adapt it for use on the rotary printing presses used in addressing machines.

In Fig. 7, the type are represented as showing each 100 letter *c* in cameo or relief upon the upper face of the plate and in intaglio upon the bottom, as at *c'*.

By the construction herein set forth a frame is provided that fulfils all the commercial requirements of the trade, exposing both faces of the card for use, as 105 described, and enabling the address plate to be read at once, when in place on the machine, so that the operator can see what address is about to be or has been printed. This construction also prevents the positively readable intaglio address of the printing plate 110 from becoming inked or soiled, since it is on the reverse side to that which is inked in the printing operation, so that the holder and its type plate together constitute an imperforate printing device, presenting an interchangeable printing portion having a clear, clean and 115 positively readable address.

When contained within a storage holder or tray the frames can be easily run over in the same manner as hitherto, the legible plates serving all the purposes of a card with the address printed thereon, since it can 120 be read through the slotted frame, as described.

The construction of the holder is such that the stencil plate may also be mounted over the slot 2, when the card will be placed over the slot 1 and the holder inverted. When an index card is used, its projecting 125 tongue will then engage a tongue slot 19 of the lower flange 3, which will become the top upon inverting the holder.

1. As a new article of manufacture, a card and printing plate holder, comprising a skeleton frame having a pair 130

of longitudinal slots of substantially equal length and retaining devices at the sides and ends of said slots for securely holding a card and a printing plate thereon, for the purpose described.

2. As a new article of manufacture, a card and printing plate holder, comprising a skeleton frame having a pair of longitudinal slots of substantially equal length and retaining devices at the sides and ends of said slots for securely holding a card and a printing plate thereon, one of said devices having a plate stop to hold the plate in fixed position to prevent longitudinal movement thereon.
3. A card and type or stencil plate holder comprising a skeleton frame provided with a plurality of longitudinal slots having retaining devices at the sides and ends of said slots for securely holding a card and a type or stencil plate and to present both sides of said card for commercial purposes, said card having an index tongue, and one of said retaining devices having one or more edge slots to receive said index tongue.
4. A combined card and type or stencil plate holder comprising a skeleton frame having a plurality of longitudinal slots and an intermediate rib, edge retaining devices on the holder for the outer edges of the card and the type or stencil plate adapted to be arranged thereon, and retaining devices arranged on said rib for the inner edge of said card and plate, one of said outer retaining devices having a stop adapted to hold a plate in said retaining devices.
5. A combined card and type or stencil plate holder comprising a skeleton frame having sides and ends presenting a plurality of longitudinal openings, and overhanging flanges on the said sides and ends forming card and plate retaining devices, the flange of one of the end pieces having a stop portion for the end of a type or stencil plate.
6. A combined card and type or stencil plate holder comprising a skeleton frame having sides and ends presenting a plurality of longitudinal openings, and overhanging flanges on the said sides and ends forming card and plate retaining devices, one of the end flanges having a stop for holding a stencil or type plate in its retaining devices, and a portion of less width adapted to facilitate insertion of a card in its retaining devices.
7. In a combined card and type or stencil plate holder, an end retaining device comprising a flange extending first inwardly to form a channel and having one part adjacent one side of the frame extended towards said frame to constitute a stop adapted to receive the ends of a card and a printing plate respectively.
8. In a combined card and type or stencil plate holder, a retaining device having a stop formed by bending the edge of the holder inwardly and transversely to the frame.
9. A new article of manufacture, comprising a card and type plate holder provided with longitudinal slots, retaining plate securely held by said devices, and means for holding said devices at the sides and ends of one of said slots, a type a card upon the other of said slots, said type plate having cameo-intaglio type form presenting at its rear side, and visible through said slot, a positively readable address in intaglio and at its opposite side, a corresponding negative address in relief.
10. A combined card and type or stencil plate holder comprising a skeleton frame having sides and ends presenting a plurality of longitudinal openings, overhanging flanges on the said sides and ends forming card and plate retaining devices, one of the end flanges having a stop for holding a stencil or type plate in its retaining devices and a portion of less width notched at one corner adapted to facilitate insertion of a card in its retaining devices.
11. In a combined card and type or stencil plate holder,

an end retaining device having a stop and a channel adapted to receive the ends of a printing plate and a card respectively, said channel being formed by an inturned flange to facilitate insertion of the edge of a card therein and said stop by an inturned portion of said flange.

12. In a combined card and type or stencil plate holder an end retaining device having a stop and a channel adapted to receive the ends of a printing plate and a card respectively, said channel being formed by an inturned flange having a notch at one end to facilitate insertion of the edge of a card therein.

13. A card or plate holder having overhanging flanges bent inwardly, then toward, and finally parallel to said holder adapted to hold a card or plate thereon depressed below the upper flange faces of said holder.

14. A combined card and plate holder comprising a curved skeleton frame provided with longitudinal slots 1, 2, retaining devices 5, and a stop 11, substantially as shown and described.

15. A holder having a slot and card retaining devices the latter being provided with one or more edge slots to receive an index tongue or tongues of a card, adapted to be held in said holder by said retaining devices, in combination with said card, said holder presenting both sides of said card for commercial uses substantially as shown and described.

16. A combined card and type or stencil plate holder having a skeleton frame constructed and arranged to receive a card and a type or stencil plate, and provided at one end with an inwardly extending flange, one portion of which extends inward transversely to the plane of said frame to constitute a stop for said plate to prevent longitudinal displacement thereof, substantially as shown and described.

17. A combined card and stencil or type plate holder provided with a longitudinal slot and retaining means for holding a tongued card thereon having provision for receiving the tongue of said card and presenting both sides of said card for commercial purposes.

18. In a combined card and stencil or type plate holder, the combination of a card having a projecting tongue and card retaining flanges on said holder having means to receive said projecting tongue.

19. As a new article of manufacture, a printing device comprising a card and type plate holder presenting slots with holding means at the sides and ends of said slots to securely retain a card and a directly readable type plate thereon, and visible adjacent their respective slots from both sides of said holder, the whole presenting an imperforate device having an interchangeable printing portion offering a reliable and direct reading of the characters of its printing plate protected from the inked surface of the plate.

20. As a new article of manufacture, a combined card and type or stencil plate holder having a card provided with a projecting tongue and a type or stencil plate arranged thereon and devices on said holder to retain said card and plate, one or more of said retaining devices having means to receive the projecting tongue of said card.

21. A printing frame of the type described provided with holding means adjacent the edges of said frame, a device retained on said frame by said means, provided with a projecting tongue, said holding means having provision to receive the projecting tongue of said device.

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

WILLIAM E. CHOATE.

Witnesses:

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L. D. BAKER, Jr.