E. E. POLLOCK.

CARD PRINTING OUTFIT.

APPLICATION FILED JAN. 2, 1915.

1,168,739. Patented Jan. 18, 1916.

Fig. 1.

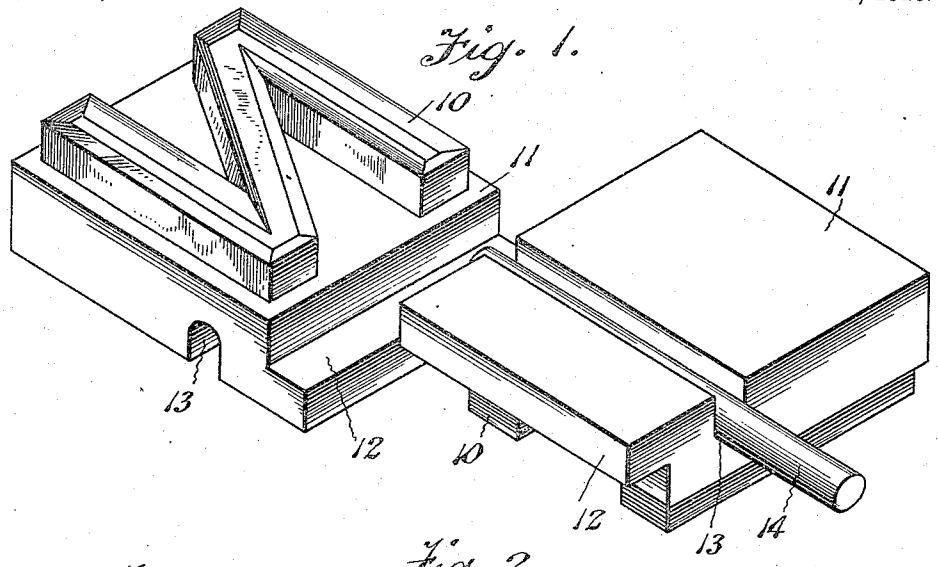


Fig. 2.

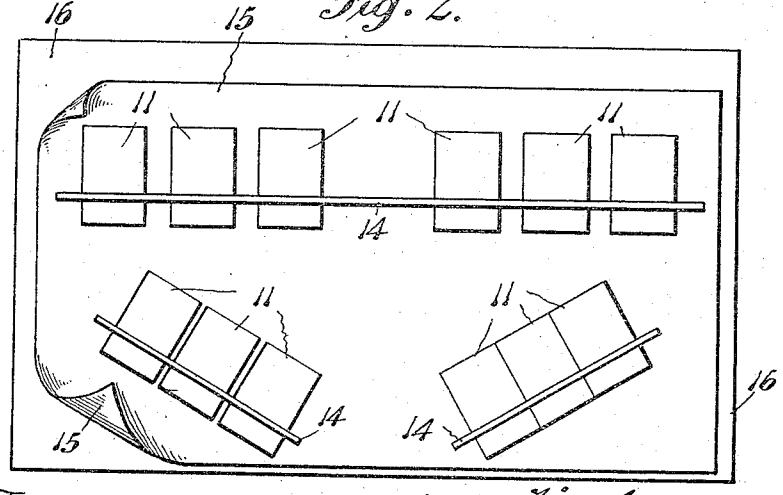


Fig. 3.

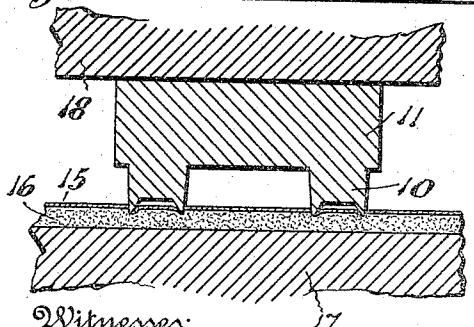


Fig. 4.



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UNITED STATES PATENT OFFICE.

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CARD-PRINTING OUTFIT.

1,168,739. Specification of Letters Patent. Patented Jan. 18, 1916.

Application filed January 2, 1915. Serial No. 194.

To all whom it may concern:

Be it known that I, EDWARD E. POLLOCK, a citizen of the United States, residing in the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Card-Printing Outfits, of which the following is a full and clear specification.

My invention relates in general to the printing of embossed characters upon cards to form signs and notices. Such printed cards are useful, for example, in display signs for shop windows and advertising and other notices.

According to my invention the signs are produced by cutting out a colored sheet of paper and in the same operation pressing it into the face of the card, thus producing an embossed character. Special embossing type are required for this purpose and the object of my invention is mainly to provide an improved construction of the embossed printing type and means for alining and setting them up. Heretofore the alinement of such type has been effected by arranging them in chases or other clamping frames which embody more or less paraphernalia but according to my invention the type are free of any restraint except in the direction of alinement and may be readily moved and adjusted into any desired positions, and the direction of alinement may be selected to suit the requirements of artistic effect without limitation.

An embodiment of the invention is illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of two type, one illustrating the face and the other the back of the type; Fig. 2 is a plan view looking down upon four series of type arranged upon the colored paper and card and in the position of printing; Fig. 3 is a vertical transverse section through one of the type in position within the press, representing the completion of the printing movement, and Fig. 4 is a face view of a partially completed sign.

Referring more specifically to said drawings 10 indicates a cutting and embossing character formed on the base block 11, which block has a projecting flange 12 at, for example, the lower edge of the type and a groove 13 extending transversely across the back of the type near, for example, the lower edge thereof. The flange 12 serves to facilitate removal of the type from the card after the embossing and printing operation has been effected and the groove 13 serves first as an indicator of the upright position of the type and at the same time as an alining recess readily accessible to an alining pin or rod 14, which extends across a series of type to maintain them in the desired alinement. A suitable number of the type and alining pins or rods are provided to enable the user to make up the desired combinations and to permit of alining one series of the type independently of the other series to gain the desired artistic effects as illustrated, for example, in Fig. 2.

It will be observed that the type are relatively flat, that is to say, their height with respect to their cross section is relatively small and in practice the type are preferably something less than one-half as high as they are wide. In view of this fact, the type readily stand in any position in which they are placed, and can be readily adjusted in proper relation with each other to make up the desired combination without the necessity of a special retaining frame. After the type have been placed in the desired position, the alining rods 14 maintain those of each series in proper alinement.

In producing a sign card with the outfit, the type are arranged, for example, as illustrated in Fig. 2, with their faces 10 resting upon a sheet of colored paper 15, which is superposed upon the card 16 into which the characters are to be pressed. Preferably the under face of the colored paper 15 is provided with the suitable material which becomes adhesive under the pressure of the operation, so as to firmly secure the characters in the card. The pressure is effected by any suitable press, embodying for example the supporting and pressing table 17 and the stationary platen 18. After the impression has been made, the sheet of colored paper 15 is removed from the card 16, leaving in place the portions of the colored paper cut out and impressed by the type. The effect, when, for example, a plain white card and a colored paper are employed, is to produce an embossed inlaid impression of striking clearness and neatness of finish. It will be understood that the operation presupposes a card 16 of suitable compressibility and that the edges of the letters pro-

duced are confined within the margins of the impressions made in the card.

I claim:

1. A card printing outfit comprising in combination a plurality of cutting and embossing type having alining grooves extending transversely in the backs of the type, and an alining rod adapted to lie within said grooves and extend across a series of said type.

2. A card printing outfit comprising in combination a plurality of type having alining grooves extending in the same relative direction in the backs of the several type, and an alining rod adapted to lie within said grooves and engage a plurality of said type to maintain their alinement.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."