

G. A. CUENIN.
DIE BOX.
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1,027,185.

Patented May 21, 1912.

Fig. 1.

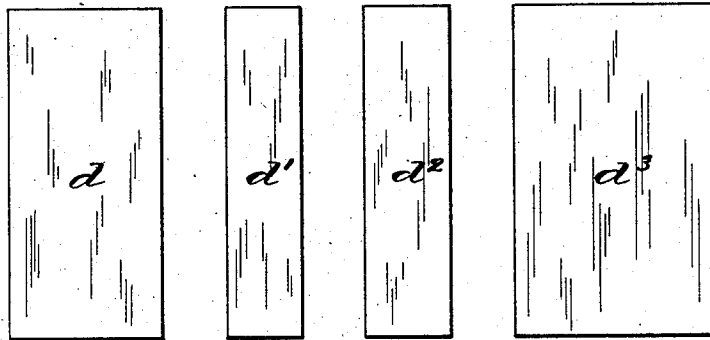


Fig. 2.



Fig. 3.

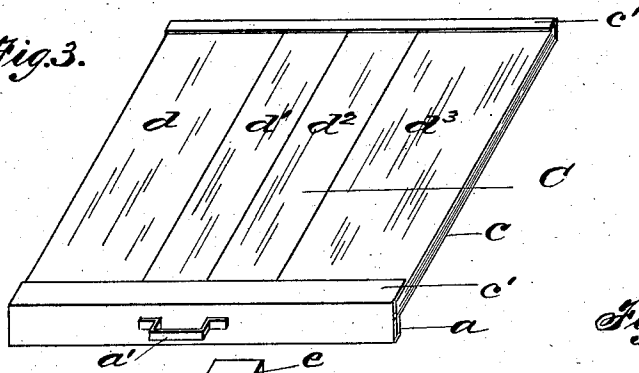


Fig. 4.

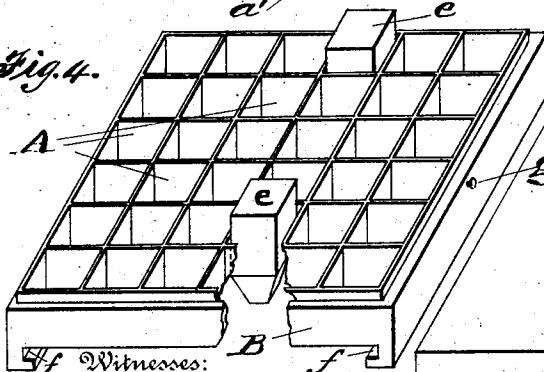
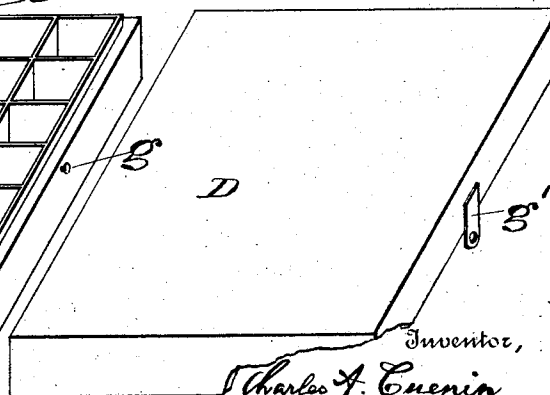


Fig. 5.



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UNITED STATES PATENT OFFICE.

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DIE-BOX.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES A. CUENIN, of the city, county, and State of New York, have invented certain new and useful Improvements in Die-Boxes, of which the following is a full, clear, and exact specification, reference being had to the accompanying drawings, wherein—

Figure 1 is a plan view of a series of pad sections; Fig. 2 an end view thereof; Fig. 3 is a perspective view of the ink-pad, and Fig. 4 of the box with the lid removed and part of the front broken off, to disclose the dies resting on the pad; Fig. 5 is a perspective view of the lid.

My invention relates to stamping devices and consists of a die-box of the kind as are used in retail stores, also in hotels, restaurants and the like establishments, for stamping the prices of articles on sales slips checks, delivery sheets and the like, the particular feature thereof being the combination with such a die-box of a pad, composed of a series of sections of unequal width, interchangeable relatively to each other, whereby the location of the dies upon the pad may be changed, enabling the entire surface of the pad to be made use of successively, the die-box and the pad being so devised that the change may be effected very expeditiously and conveniently, and without requiring the removal of the dies from the box, or disturbing their arrangement therein. The dies used for such stamping are usually arranged in rows in a die-box, like A shown in Fig. 4, one such die *e* being set in each of the compartments of the crate B fixed in the box, projecting from the crate B, to enable the users of them to pick out conveniently such dies as they require. By setting on the lid D upon the box A and then reversing it and withdrawing the pad C, the types of all dies are exposed for inspection, the types of the dies cleaned, or those which might have become defective, may be replaced. The dies *e* are made of metallic handles with rubber types secured therein.

The ink-pad C serves as a bottom for the die-box, and is preferably made to slide in, at the front of box A, for which the guide-ways *f* are provided, and the downwardly turned flange *a*, produced in folding the edge of the base *c*, to cover the front in line with the sides of the box. A handle *a'* may

be attached to the flange *a* for the more convenient handling of the pad; the pad may, however, as well be hinged to the box.

The lid D, of the die-box, shown in a perspective view in Fig. 5, may be provided with some fastening device like the one shown at *g* and *g'* in Figs. 4 and 5 respectively, or it may be hinged to the box A; it must, however, be made deep enough so that when it is set upon the casing A its interior surface will be above the handles of the dies. These dies must be made comparatively heavy and when thus arranged in the box for use, they rest upon the pad *c*, made to serve as bottom of the box, wearing out its covering, and unless the pad is renewed quite frequently, the fibers and particles, rubbed off the surface thereof, soon fill the type, blurring the print. The weight of the dies also depresses the soft filling of the pads, driving the ink from the places whereon the dies rest, the depressions, where the dies stand thereon, becoming thereby devoid of ink required to be supplied to the types.

For the speedy and correct transaction of the business, for which the dies are used, it is necessary that their type should be kept clean and well inked, to produce readily a distinct and clear impression. For these reasons the ink-pads of the die-boxes, heretofore known, must be frequently renewed, that is as soon as the weight of the dies, acting upon the pads, depresses its surface and compacts the filling material. In my improved die-box the pad C is composed of a number of unequally wide sections or parts, *d*, *d'*, *d*² and *d*³, etc., which enables me to change the location of the dies *e* on the pad by merely re-arranging the sections. For instance, by pushing out the section *d* on the left hand end of the pad and inserting it after section *d*³ on the right hand end, the location of the dies *e* upon the pad C is shifted from the rows of depressions produced by the previous location of the dies to its next adjoining, unused portions, and the same benefit is obtained as if the pad had been replaced by an entirely new one. The making of the pad of a series of sections *d*, *d'*, *d*² and *d*³ of unequal width effects the placing of the dies upon a fresh portion of the pad surface by each successive setting of the sections in a new position, and thereby a considerable saving is obtained, as each shifting is equivalent to

the renewing of the whole pad and may be repeated as long as there remains sufficient surface not used for resting the dies thereon. Another result of this improvement is, that by thus frequently changing the position of dies upon the pad, the disintegrating of the covering of the pad covering is prevented, the wear of the dies being distributed over its entire surface. By this also the types of the dies, being kept in contact with unworn parts of the pad covering, do not become filled with the fibers and particles abraded from the pad covering by long use. To enable this shifting of the pad to be done conveniently and expeditiously, the base *c* of the ink-pad C is made preferably of galvanized sheet metal, and its edges are folded over at an acute angle to form flanges, as shown at *c'*. These flanges *c'* serve to hold the sections *d*, *d'*, *d*² and *d*³ of the ink-pad proper, onto the sheet metal base *c* of the pad. With this object in view also the base of the die-box A is devised to permit the sliding in and out of the pad C for changing the relative positions of the sections *d*, *d'*, and *d*², as explained.

I claim as my invention:

1. The combination with a die-box, comprising a casing and a die-crate in the casing adapted to receive dies in approximately equidistant rows, of an ink-pad, adapted to be inserted into the casing to serve as the bottom for the die-crate, the said ink-pad consisting of a base, and of a series of sections of unequal width removably attached to the base, so as to permit their rearrangement relatively to each other and to the dies.

2. The combination with a die-box, comprising a casing, and a die-crate in the casing adapted to receive dies in approximately equidistant rows, of an ink-pad adapted to be inserted into the casing to serve as the bottom for the die-crate, the said ink-pad consisting of a base, and of a series of sections of unequal width slidably mounted upon the base, and so as to permit their rearrangement relatively to each other and to the dies.

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