

(No Model.)

F. ZANDER.
CHECK PERFORATOR.

No. 553,889.

Patented Feb. 4, 1896.

Fig. 1.

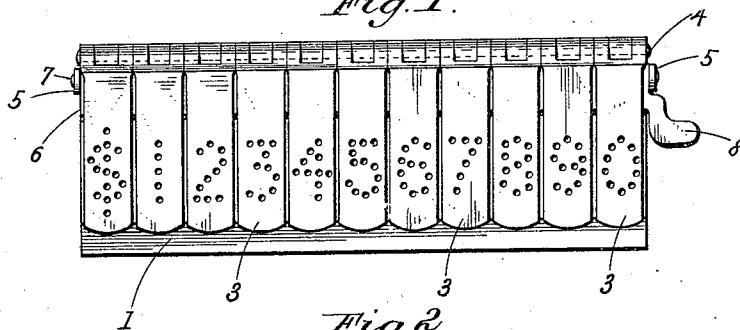


Fig. 2.

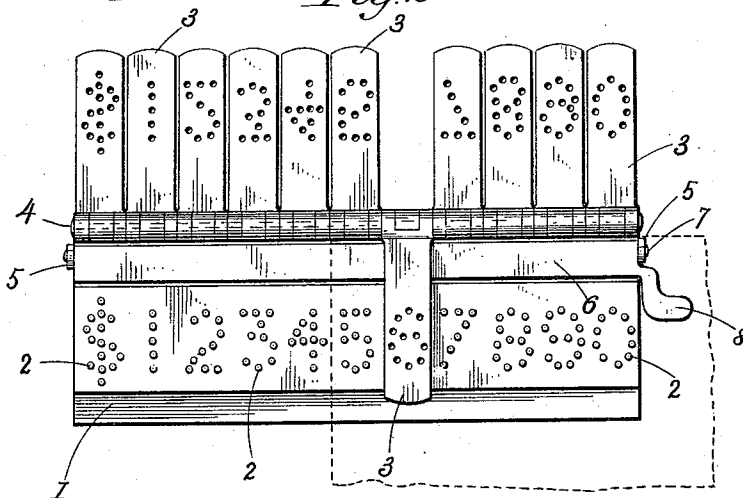


Fig. 3.

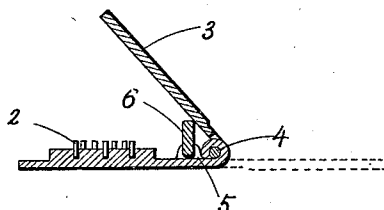
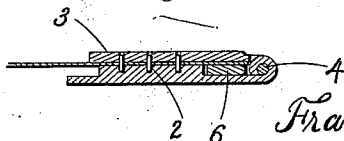


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

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CHECK-PERFORATOR.

SPECIFICATION forming part of Letters Patent No. 553,889, dated February 4, 1896.

Application filed July 27, 1895. Serial No. 557,342. (No model.)

To all whom it may concern:

Be it known that I, FRANK ZANDER, a citizen of the United States, residing in Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Check-Perforators, of which the following is a specification.

My invention relates to that class of check-perforators adapted to be carried in the pocket, for which I have an application now pending in the United States Patent Office, filed June 3, 1895, Serial No. 551,524, in which the numerals are located on a series of pivoted die-plates arranged side by side and secured pivotally by a single pin extending through a series of hinged joints. The hinged die-plates in perforators of this kind are, when in use, very liable to stick or hold onto the punches when closed and are then difficult to be operated by the fingers. Springs have heretofore been used to open the dies, but they are not to be depended upon in devices of this kind because the dies are still liable to stick together when closed over a check or piece of paper. Consequently the same trouble comes up either with springs or without them. Besides, springs would tend to hold the dies up, or some of them, when the device is required to be closed in condition to be put away, in the pocket, for instance.

The object of my present invention is to avoid these objections by means which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 represents a top view of my improved check-perforator, showing the die-plates closed. Fig. 2 also represents a top plan view showing all, except one, of the die-plates opened and thrown back. Fig. 3 is a transverse section showing the die-plates turned up by the opening device. Fig. 4 represents a transverse section showing the die-plates and opening device closed, a slip of pa-

per through which the punches have passed having been placed between them.

Referring to the drawings in detail, 1 represents the lower die-plate in which the punch-dies 2 are secured. The hinged die-plates 3 are all hinged side by side, as in my pending application above referred to, and secured by a single pin 4; but as these parts are fully shown and described in the application above mentioned a further description of them here is not required.

At each end of the lower die-plate is rigidly secured an upward-extending ear 5, and between these ears is a long narrow bar 6, movably secured by pivotal pins 7. These pivotal pins 7 being located near the rear side of the bar 6 will cause the front side of the same to move upward when the handle 8 is turned up and will thus lift all the die-plates 3 simultaneously, substantially as shown in Fig. 3, in which condition they are all loose and easily manipulated by the fingers.

When the die-plates 3 are closed, as in Fig. 4, they will lie together, as shown, and the device may be slipped into a case of any well-known construction adapted for the purpose, and put away, in the vest-pocket, for instance.

I claim as my invention—

In a check-perforator, the combination of a base-plate carrying one portion of the perforating-dies, and a plurality of hinged die-plates carrying the other corresponding co-acting portions of the perforating-dies, with a pivoted bar 6, located between the base and hinged die-plates and extending the whole length of the base-plate, and a handle for operating it, whereby all the hinged die-plates may be opened simultaneously, substantially as described.

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Witnesses:

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