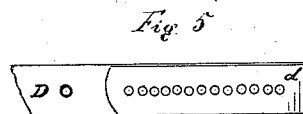
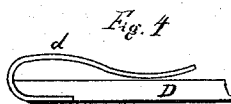
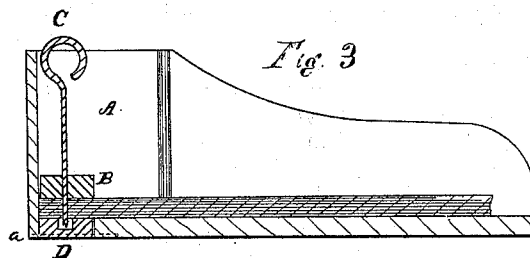
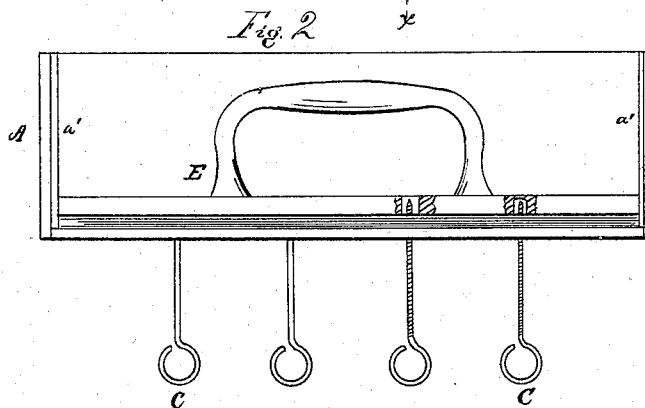
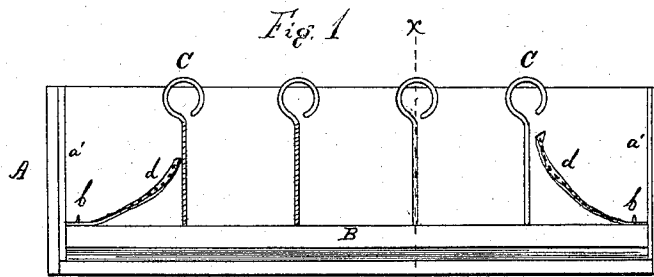


D. DUNTON.
Temporary Binders.

No. 137,131.

Patented March 25, 1873.



Witnesses

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UNITED STATES PATENT OFFICE.

DELOS DUNTON, OF CARPENTERSVILLE, ILLINOIS.

IMPROVEMENT IN TEMPORARY BINDERS.

Specification forming part of Letters Patent No. 137,131, dated March 25, 1873.

To all whom it may concern:

Be it known that I, DELOS DUNTON, of Carpentersville, in the county of Kane and State of Illinois, have invented a new, useful, and Improved Temporary Binder, of which the following is a full, clear, and exact description, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming a part hereof, and in which—

Figures 1 and 2 represent a front view of my improved device; Fig. 3, a vertical section taken in the plane of the line *xx*; Fig. 4, a side view of the clasp-bar and its attachments; and Fig. 5 a top view of the latter.

Like letters of reference indicate like parts.

The object of my invention is to make a device whereby papers may be filed with facility and in a proper condition for being bound together into volumes; and to that end, it relates to a receptacle for the papers and to the means employed for the purpose of filing them; and it consists in providing the sides of the receptacle or box with vertical ribs, so as to prevent the papers from being crowded against the box, and in constructing the bottom of the latter in such a manner that the filing device and its contents will be held in position during the operation of filing. It also consists in the employment of pins provided with a screw-thread, for the purpose of rendering them firm and readily adjustable and removable, and arranged in a paper-file to receive and retain the papers. It further consists of a filing device, consisting of a bar provided with removable, adjustable, and pointed pins, and in combining the same with a clasp-bar provided with flexible perforated strips, and with either depressions or perforations corresponding to the position of the adjustable pins, so as to shield the latter.

In the drawing, A represents a box or receptacle to receive the papers. This box consists of a bottom piece provided with side pieces which project rearward from the bottom. A back piece is attached to the rear end of the side pieces, and extends downward until it reaches the plane of the bottom of the box, and *aa* are strips extending across the lower part of the opening thus formed, as shown by the dotted lines in Fig. 3. *a' a'* are

ribs on the side pieces. B is a perforated bar, and C C are pointed wires, the pointed ends of which are inserted into the perforations, and in the same direction. These wires are fitted into the perforations so as to be held firmly therein, but not so firmly as to be incapable of being withdrawn and adjusted therein by the operator, and one end of the wires is preferably bent in the manner shown, so as to facilitate this operation. I also deem it preferable, but not essential, to make a male screw on the wires and a female screw in the perforations, so that the wires may be readily adjusted and removed. *bb* are fixed pins or posts upon the upper side of the bar B, near each end. D is a clasp or bar, in which there are either depressions or perforations arranged to receive and shield the points of the wires C C; and *dd* are perforated strips of leather, or suitable flexible material, attached to each end of the clasp D. The bars B and E are made to fit nicely into the space between the bottom and the rear end of the box, and the strips *aa* support them therein, and are so arranged as to admit of the bar B and its attachments being inverted. E is a presser, which is provided with a handle and with either perforations or depressions to receive the points of the wires C C during the operation of filing.

In order to file papers by means of this device, I adjust the wires C C so that they will project a little way below the lower side of the bar B, and then arrange the latter in the manner shown in Fig. 2. If the employment of an index is desired, I lay a common bound alphabetical index upon the bottom of the box, over the points of the wires C C and against the back of the box, the sides of the pages of the index on which the letters are printed being downward. I then employ the presser E for the purpose of pushing the index down over the points of the wire C C. The index and the bar B, and its attachments, are then removed from the receptacle or box, and the bar D is arranged over the index so as to shield the points of the wires C C, and the strips *dd* are arranged over the pins or posts *bb*, thus clasp ing the index between the bars B and D, and retaining it upon the wires C C. The file may then be arranged in the receptacle in the manner shown in Figs 1 and 3, and letters or other papers may be filed in the same way. When

the papers filed form a bulk sufficient to reach the point of the pins or to nearly reach them, the latter are screwed so as to project through the bulk far enough to receive additional papers. The thread upon the pins renders them firm, and yet admits of the adjustment above referred to being readily made, and when the file is filled they are readily removed. The papers are also more securely held upon the pins when they are threaded. When an index is employed the other papers are arranged over the index while the file is in the position shown in Fig. 2. When the file is inverted, and arranged in the position shown in Figs. 1 and 3, the index will be at the top and its letters in a position for reference. When it is desired to bind the contents of the file into a volume a suitable binding-cord is passed through the perforations made in the papers by the wires C C during the operation of filing, and the cord is then firmly tied. When the bar D is provided with perforations instead of depressions the operation of inserting the binding-cords may be performed before the clasp is loosened, the wires C C having been removed; the binding-cords having been thus inserted the bars B and D are removed and the cords securely tied together.

I am aware that a removable clasp provided with slots has heretofore been employed during the operation of binding together an unbound index and papers interposed between its leaves, in order that the index and its contents may be perforated, after having been filed, by means of an instrument passed through the slots, and in order that the binding-cord may be passed through one of said perforations and from thence through another and tied before removing the clasp; but I do not claim such.

The receptacle may be made of any convenient size which will accomplish the purpose for which it is intended.

It will be observed from the foregoing description that the clasping device and

the file are removable from the receptacle or box, and that the construction of the latter is such that the papers will be evenly filed; that they will not bind upon the sides of the box; and that the construction of the latter is such as to firmly hold the wires C C in position during the operation of filing, and admit of their being inverted in the manner described. The file and its receptacle or box may also be suspended either separately or together without danger of disarranging the papers.

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

1. A file or paper-holder which has its sides provided with vertical ribs to prevent the papers from contact with the sides, substantially as specified.

2. A file or paper-holder which has its bottom constructed to receive and support a removable bar provided with pins for the reception of the papers, substantially as specified.

3. One or more pointed and screw-threaded pins, C C, in combination with a paper-file, when the said pins are adjustable and removable, and are arranged to pass through the papers and thereby retain them in the file, substantially as specified.

4. The removable bar B, provided with removable, adjustable, and pointed pins, and with fixed pins or posts, in combination with the removable bar D, provided either with perforations or depressions and with perforated flexible strips, substantially as and for the purposes specified.

5. A combined paper-holder, file, and binder, constructed and arranged to operate substantially as described and for the purposes set forth.

DELOS DUNTON.

Witnesses:

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JESSE OATMAN.