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M. M. HANSEN

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FIG. 1

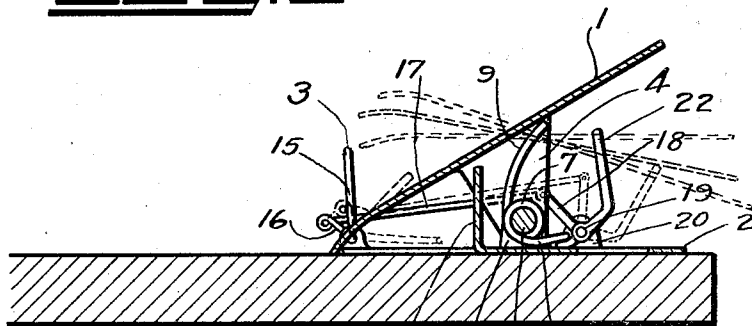


FIG. 3

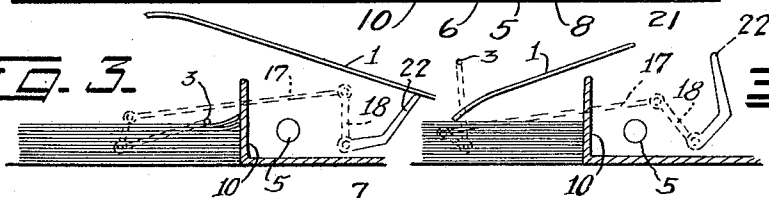


FIG. 4

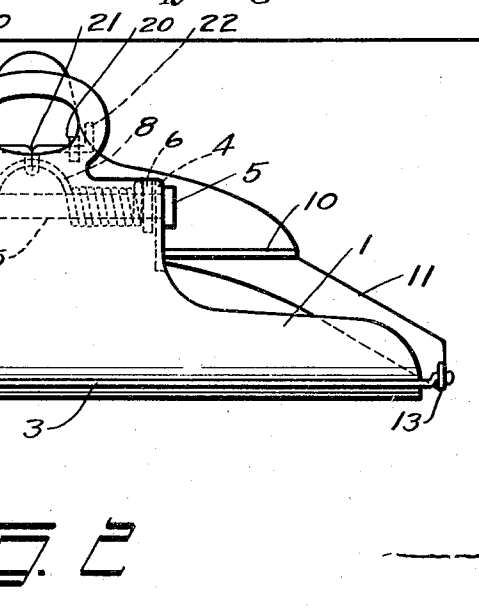
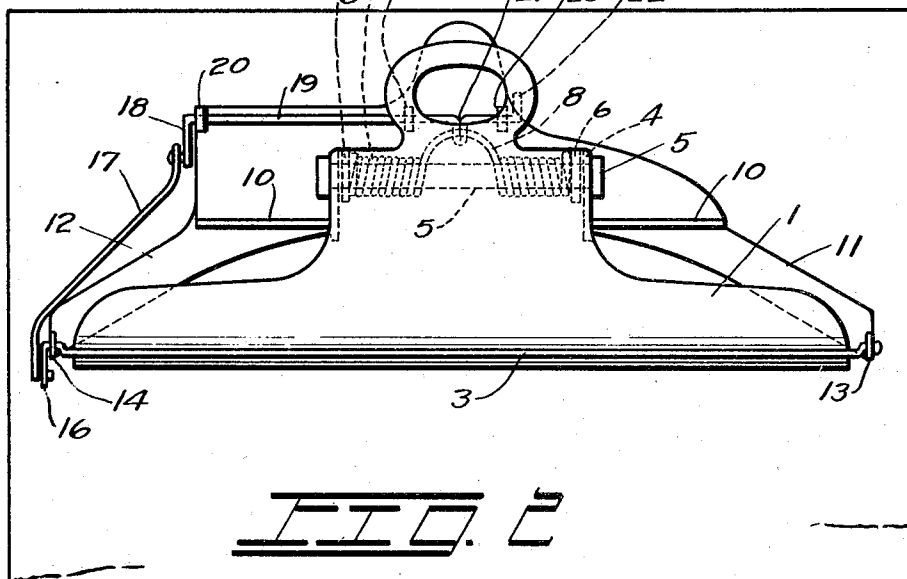


FIG. 2



Inventor

Marcus M. Hansen

By

Harry Bowen

Attorney

UNITED STATES PATENT OFFICE

MARCUS M. HANSEN, OF SEATTLE, WASHINGTON

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The invention is a file for holding letters or the like which automatically places the upper end of the letter against the top of the file as the clip is raised so that it may readily be gripped by the clip.

The object of the invention is to provide a file for letters or the like in which letters may readily be placed while it is hanging on the wall.

Another object of the invention is to provide a mechanism operating in conjunction with the clip of a letter file or the like which automatically places the upper end of the letter in the file.

A further object of the invention is to provide a file for letters or the like in which the letters may readily be placed without removing other letters from the file and while the file is in a vertical position.

And a still further object of the invention is to provide a file having an automatic gripping means which is of a simple and economical construction.

With these ends in view the invention embodies, a clip, a base, a spring for holding the clip, a bar pivotally mounted in the base at a point adjacent the tip of the clip and suitable levers for operating the said bar.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings, wherein:

Figure 1 is a cross section through the device.

Figure 2 is a plan view of the device.

Figure 3 is a diagrammatic view showing the position of the clip and rod when placing paper in the device.

Figure 4 is a similar view showing the device as it would appear with paper held thereon by the clip.

In the drawings the device is shown as it would be made wherein numeral 1 indicates the clip, numeral 2 the base and numeral 3 the gripping bar.

The clip 1 may be of any suitable design and arranged in any suitable manner. In the design shown it is made with a flat plate having the forward edge curved slightly

downward and extensions, which are indicated by the numeral 4 at the sides. The extensions 4 are pivotally mounted on the bar 5 and the bar 5 is pivotally mounted in supports 6 that extend upward from the base. A spring 7 is also mounted on the bar 5 and it will be observed that the spring is provided with a loop 8 at the center, as shown in Figure 2 and upwardly extending ends 9 which engage the clip 1, as shown in Figure 1. It will be noted that the ends 9 bear upward on the under side of the clip and rigidly hold it in the position shown. The base 2 is provided with an upwardly extending member 10 which forms a stop for letters or the like as they are placed in the file. At the ends of the base are extensions 11 and 12 which have upwardly extending ends as indicated by the numerals 13 and 14 and it will be observed that the bar 3, which is provided with downwardly extending ends 15, is pivotally mounted in the members 13 and 14. At one end of the bar 3 is an extension 16 that is connected by a bar 17 to a lever 18 and the lever 18 is formed at the end of bar 19 and the bar 19 is pivotally mounted in bearings 20 on the base. In the center of the device the bar 19 is bent to form a loop 21 and the outer end of the bar is bent upward to form a member 22 which engages the underside of the clip 1 as the clip is forced downward. It will be noted that the loop 21 of the bar 19 is engaged by the loop 8 of the spring 7 so that the lever 18 and the bar 3 will normally be resiliently held in the position shown. However when the upper portion of the clip 1 is forced downward to open the clip it will force the member 22 downward to the position shown in dotted lines and this will force the lever 18 backwards which will draw the bar 3 through the bar 17 to the dotted line position against the base so that as papers are held therein they will automatically be forced downward or into position as the clip is forced downward to the open position.

It will be understood that other changes may be made in the construction without departing from the spirit of the invention, one of which changes may be in the use of

a clip of any other type or design, another may be in the use of other means for operating the bar 3, and still another may be in the use of other resilient means for returning the bar 3 to the normal position.

5 The construction will be readily understood from the foregoing description. To use the device it may be assembled as shown and it will be observed that if a letter or
10 other paper is placed against the device with the upper end in approximately the correct position and on the outside of the clip the clip may be raised by the other hand and as it is raised the bar 3 will force the upper end
15 of the letter under the clip and into the correct position while at the same time the left hand may be holding the letter and any other letters in the file.

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

1. In a paper file of the character described, a base, a clip pivotally mounted upon the base, resilient means engaging the
25 under side of the clip and holding one end of the clip against the base, a bar pivotally mounted upon the base and positioned above the clip, a lever pivotally mounted upon the base and below the clip, said lever being
30 held in the upward position by the resilient means for holding the clip, and means connecting the lever to the bar in such a manner that as the clip is forced away from the base it will engage the lever and thereby
35 operate the bar to move downward under the end of the clip.

2. In a file of the class described, a base, a clip, means for pivotally mounting the clip upon the said base, resilient means for holding one end of the clip against the base, a
40 bar pivotally mounted upon the base adjacent the holding end of the said clip, and a lever pivotally mounted upon the base below the clip and attached to the bar for operating the said bar to place the upper ends of
45 papers below the clip as the clip is opened.

3. In a device of the class described, a letter paper file having a base, a clip pivotally mounted upon the base, resilient means
50 for holding the clip against the base, a bar pivotally mounted upon the base and extending across the holding end of the clip, and a lever pivotally mounted upon the base below the said clip and cooperating with the
55 bar, said lever adapted to be engaged by the clip for operating the said bar for automatically placing the upper end of letters upon the base under the clip as the clip is opened.

4. In a file of the class described, a base, means for holding letters or similar papers
60 in the file against the base, a transverse bar mounted on the base adjacent to and cooperating with the said letter holding means, and a pivotally mounted lever upon
65 the base also cooperating with and posi-

tioned below the said letter holding means and located to be engaged by the said letter holding means for operating the said bar to adjust the ends of the letters to such positions that they will be gripped by the letter
70 holding means.

5. In a device of the class described, a base, a clip mounted upon the base, a spring for holding the clip against the base, a bar mounted upon the base and cooperating with
75 the clip, means for manually moving the said bar downward as the clip is opened and means connecting the bar to the spring of the said spring clip for resiliently raising the bar as the clip is closed.

In testimony whereof I affix my signature.
80 MARCUS M. HANSEN.

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