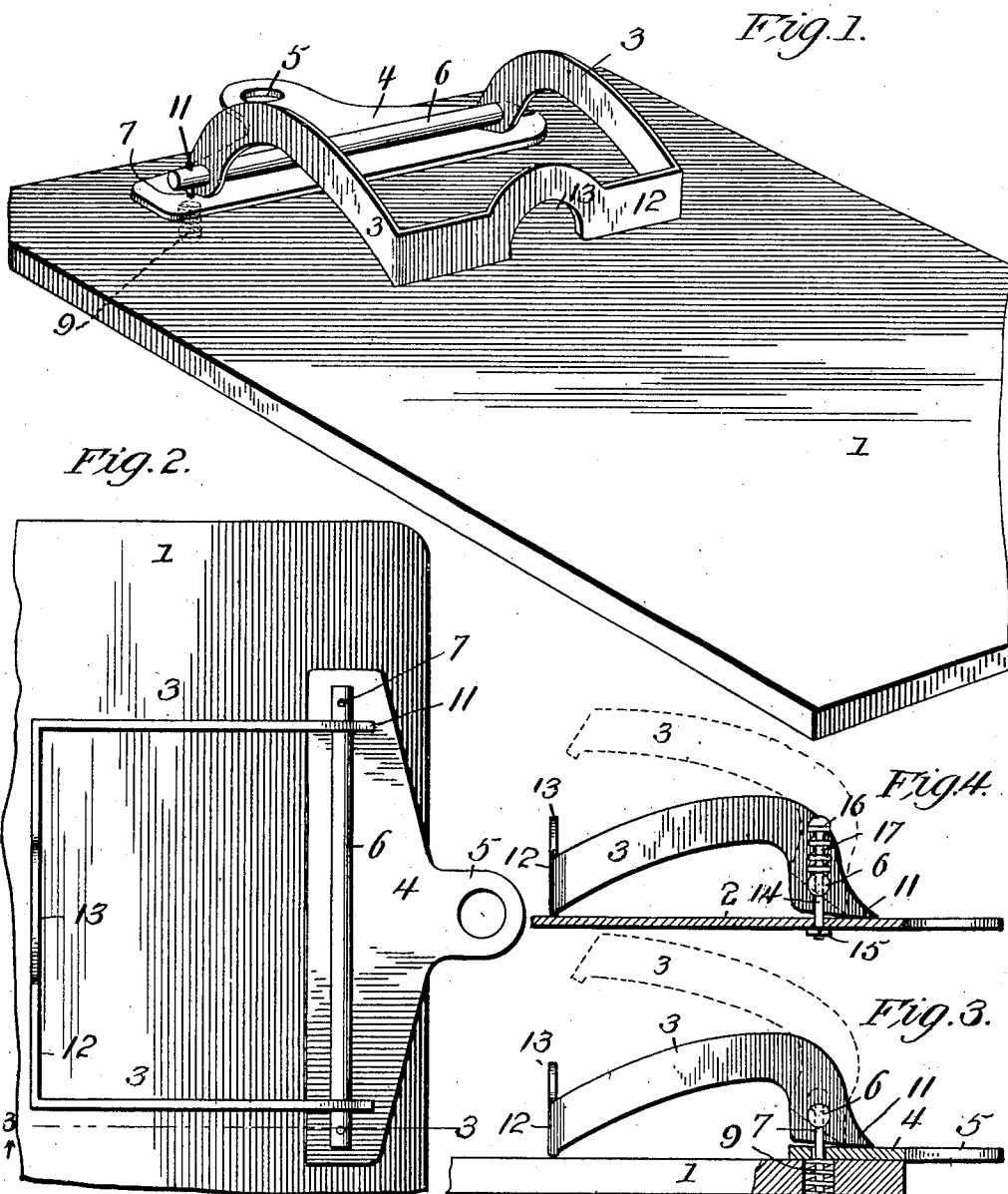


No. 881,970.

PATENTED MAR. 17, 1908.

C. SPIRO.
CLIP FILE.

APPLICATION FILED SEPT. 17, 1907.



WITNESSES:

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CHARLES SPIRO, OF NEW YORK, N. Y.

CLIP-FILE.

No. 881,970.

Specification of Letters Patent.

Patented March 17, 1908.

Application filed September 17, 1907. Serial No. 393,405.

To all whom it may concern:

Be it known that I, CHARLES SPIRO, citizen of the United States, residing at New York, county of New York, and State of New York, have invented certain new and useful Improvements in Clip-Files, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a clip file, and particularly to means for mounting the clip frame for holding the papers upon the file board.

The invention has for an object to provide a novel and improved construction by which the clip frame is mounted upon a bar under tension and provided with a rearward extension engaging the board which by an upward movement of the clip frame travels toward and causes a vertical movement of the bar under tension.

Other and further objects and advantages of the invention will be hereinafter set forth and the novel features thereof defined by the appended claims.

In the drawing:—Figure 1 is a perspective view showing the application of the invention: Fig. 2 is a plan thereof: Fig. 3 is a section on the line 3—3, Fig. 2, and Fig. 4 is a similar view of a modified form of the invention.

Like numerals refer to like parts in the several views of the drawing.

The numeral 1 designates the base or board of the file which may be of wood or other material, as shown in Fig. 1, or a relatively thin metallic plate as shown at 2 in Fig. 4. In the former instance the clip frame 3 is applied to the board by means of a plate 4 extended beyond the end thereof to provide an apertured hanger 5 by which the board and papers carried thereby may be suspended. Upon this plate a bar 6 is mounted by means of the rods 7 extending therefrom and also through both the plate 4 and the board 1, the latter being provided with the aperture 8 adapted to receive the tension spring 9 which bears against the under side of the plate 4 and the head 10 formed on the rod thus normally drawing the bar 6 downwardly into the position shown in Fig. 3. The clip frame 3 is pivotally mounted upon this bar and comprises the U-shaped structure, as shown, the ends of which embrace the bar and are provided with the extension 11 engaging the upper face of the plate at the rear of the bar so as to form a

fulcrum to raise the bar as the clip frame is swung upward, as shown by dotted lines in Fig. 3. This clip frame is preferably formed of a single piece of sheet material, the cross bar 12 at the front thereof being provided with the finger hold 13 by which the frame may be conveniently grasped and raised to release the papers from the file board, while when in contact with this board the frame is held under constant tension by the spring controlling the bar.

In the modified form shown in Fig. 4 the frame is identical in construction with that just described and similarly mounted upon the bar 6, but in the application to the metal file board 2 this bar is slidingly mounted upon the rods 14 secured by any desired means, for instance, the nut 15 to the board and provided at their upper ends with the head 16. Between this head and the upper surface of the bar a coil spring 17 is interposed thus providing the constant tension to retain the clip frame in closed position and the movement of the bar under tension as the frame is raised to release the papers from the file.

From the foregoing description the operation of the invention will be apparent, and it will be seen that a simple and economical construction is provided where the clip frame is formed to be readily grasped and raised, while the fulcrum extensions place the pivoting bar of the frame under tension as the latter is raised. This extension is of less length from the pivot of the frame than the guiding means for the upward travel of said pivot thus permitting the extension to move toward the pivot and beneath it at which time the clip frame will be held by the extension in raised position. It will also be obvious that the construction and arrangement of this tensioning means may be varied within the scope of the appended claims.

Having described my invention and set forth its merits, what I claim and desire to secure by Letters Patent is:—

1. In a clip file, a base board, a bar provided with guiding means and yieldingly mounted upon said board for movement toward and from the same, and a frame comprising a vertically disposed U-shaped plate having its ends pivoted upon said bar and provided with a rearward extension of less length than said guiding means and constructed to travel upon the base in the movement of said frame.

2. In a clip file, a base board, pivots provided with guiding means and yieldingly mounted thereon, and a clip plate pivotally mounted at its opposite ends upon said
5 pivots and provided with a fulcrum extension at its rear of less length than said guiding means whereby said extension travels toward said bar in the upward movement of said plate.
- 10 3. In a clip file, a base board, a pivot provided with guiding means and yieldingly mounted upon said board, a clip frame mounted upon said pivot, and an extension at the rear of said pivot of less length than
15 said guiding means constructed to travel upon the base toward and from said pivot.
4. In a clip file, a base board, a bar provided at its opposite ends with depending rods, tension springs cooperating with said
20 rods, and a clip frame pivoted at its ends in said bar and provided with a fulcrum at one side of less length than said rods and constructed to travel toward the bar in the upward movement of said frame.
- 25 5. In a clip file, a plate, a cross bar mount-

ed above the same and provided with depending rods extending through the plate, heads at the free ends of said rods, tension springs extending between said heads and the bottom of said plate, and a clip frame
30 pivoted upon said bar and having a fulcrum extension at the rear thereof of less length than said rods and constructed to travel upon said plate.

6. In a clip file, a plate, a cross bar mounted above the same and provided with depending rods extending through the plate, heads at the free ends of said rods, tension springs extending between said heads and the bottom of said plate, and a U-shaped clip
40 frame pivoted at its inner end upon said bar and having a fulcrum extension disposed at the rear of said bar and of less length than said rods to travel upon said plate.

In testimony whereof I affix my signature
45 in presence of two witnesses.

CHARLES SPIRO.

Witnesses:

FRANK MARTIN,
HENRY SOFILK.