(No Model.)

C. H. DRIVER.

FILE FOR DRAWINGS, PLANS, AND HEAVY DOCUMENTS.

No. 431,110. Patented July 1, 1890.

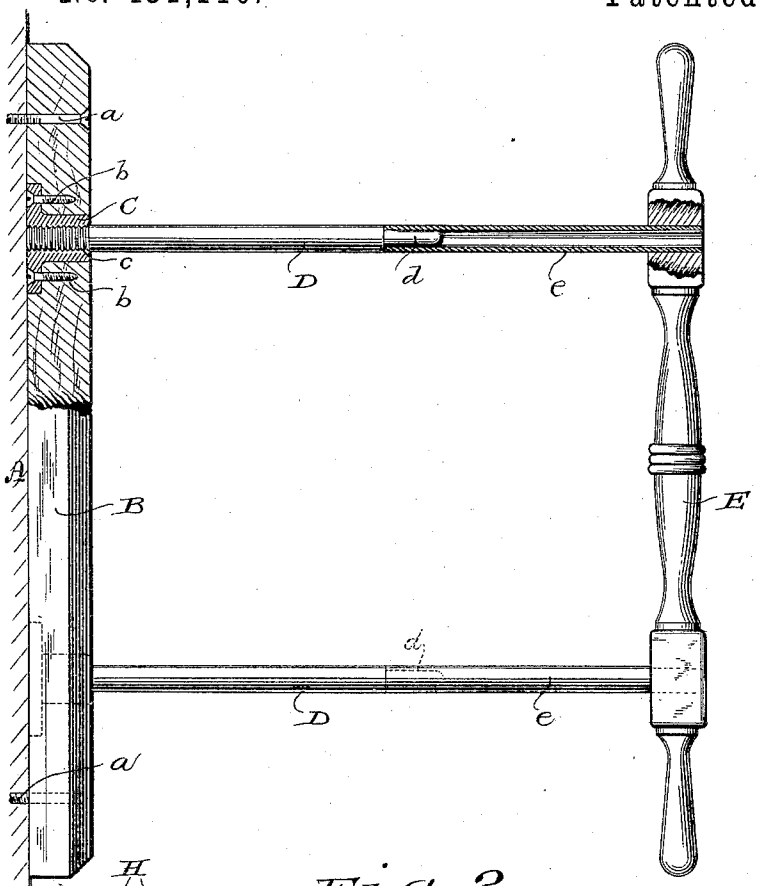


Fig. 1.

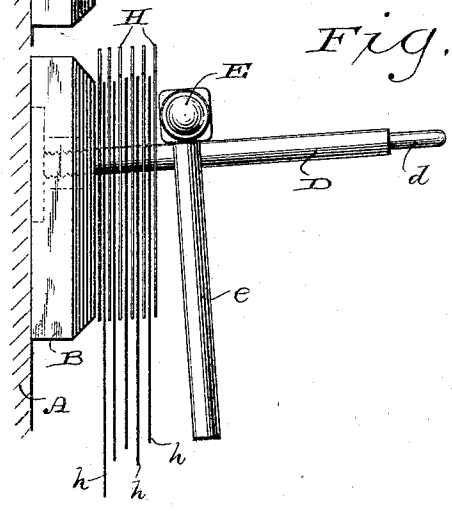


Fig. 2.

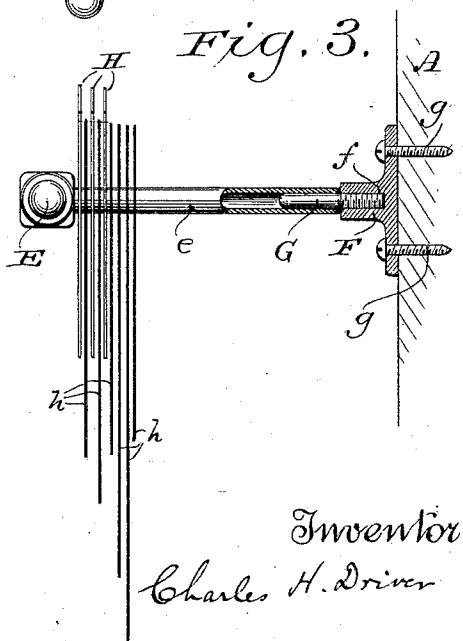


Fig. 3.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CHARLES H. DRIVER, OF RACINE, WISCONSIN.

FILE FOR DRAWINGS, PLANS, AND HEAVY DOCUMENTS.

SPECIFICATION forming part of Letters Patent No. 431,110, dated July 1, 1890.

Application filed January 26, 1889. Serial No. 297,709. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. DRIVER, of Racine, in the county of Racine, and in the State of Wisconsin, have invented certain new and useful Improvements in Files for Drawings, Plans, and Heavy Documents; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to files for drawings, plans, and heavy documents; and it consists in certain peculiarities of construction, as will be fully set forth hereinafter, and subsequently claimed.

In the drawings, Figure 1 is a plan view of my device partly in section. Fig. 2 is a side elevation of the same in use; and Fig. 3 is a like elevation, partly in section, of a portion thereof.

A represents the wall of a room to which the base-board B of my device is secured, as by screws *a a*. This base-board is suitably recessed for the reception of sockets C, secured to said base-board, as by screws *b b*, each socket being provided with a screw-threaded bore *c*, arranged preferably at an upward inclination from rear to front, as indicated by the dotted lines in Fig. 2. In the bores of said sockets are screwed the screw-threaded ends of the supporting-rods D D, which are offset or reduced at their other ends, as shown at *d*.

E is the handle-bar of my device, which is provided with two tubular rods *e e*, the bore of which fits snugly over the reduced ends *d* of the supporting-rods D, while the external diameters of the rods D and *e* are exactly the same, so that when put together, as shown in Fig. 1, there will be a smooth external joint without any ridge or obstruction. These tubular rods *e* are open at both ends, as shown, for a purpose hereinafter set forth.

F, Fig. 3, represents one of a pair of castings, each having a screw-threaded socket *f*, in which is firmly fixed the screw-threaded end of a steel shank or pin G, (corresponding in size, practically, with the reduced ends *d* of the rods D, though preferably somewhat longer,) and these castings F, with their pins G, are secured, as by screws *g g*, to the wall A, preferably just to one side of the base-board B, the distance between the two sockets being just the same as the distance between the tubular rods *e e* of the handle-bar E, which rods *e* are designed for engagement with said pins G, as shown in Fig. 3, as hereinafter described.

For convenience in reference my device is provided with any desired number of index or division sheets H H H, (which may be of any suitable style and bear letters, numbers, dates, or other marks of reference,) between which are arranged the drawings, plans, or other documents *h h h*, according to the preferred system employed.

The operation of my device will be readily understood from the foregoing description of its construction. The documents to be filed are first perforated at the required points by any suitable punch, which cuts out two holes a trifle larger than the diameter of the rods D D and at a distance apart equal to the distance between said rods, and then slipped on the said rods D D, (separated as desired by the said index or division sheets H H,) and then the handle-bar E is laid across the rods D D, with the depending tubular rods *e e* adjacent to said rods D D, thus serving to keep the contents of the file compactly in place, the angle of upward inclination of the rods D D being sufficient to cause the documents and division-sheets on said rods to gravitate toward the back-board B, so there is less liability of their accidentally falling off the file, even if the handle-bar and its rods be entirely removed, than would be the case if said rods D D projected horizontally. In case any paper or document is needed for reference, the parts E *e e* are restored to the position shown in Fig. 1, and then (on account of the described equal external diameters of the rods D and *e* and the smooth joint between them) all of the documents, index-sheets, &c., in front of the one needed are readily moved onto the rods *e e* and against the handle-bar E; and if the desired paper is needed for some little time, or if it is to be taken from the file, then the bar and rods E *e e* with the papers thereon are separated from the rods D D, and the said rods *e e* are slipped onto the pins G G already described, as shown in Fig. 3.

When it is desired to file away the contents of the file, or any part thereof, in a body, then the same is slipped onto the rods *e e* in the described manner, and cords or wires are

slipped through the said hollow rods, and the rods *e* withdrawn, leaving the papers, &c., which were lately on the said rods now in the same order, but strung upon the said cords or wires. This is particularly convenient when a year's or month's accumulation is to be separately filed away, and the device is in condition for fresh use and the reception of fresh index or division sheets, if desired.

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

1. In a file for heavy documents, the combination of a back-board and supporting-rods projecting therefrom having reduced outer ends, of the handle-bar, and rods having a socket or bore formed therein projecting therefrom, the external diameters of all the projecting rods being equal, substantially as set forth.

2. In a file for heavy documents, the combination, with pins or rods projecting from a vertical support, of a handle-bar having rods projecting therefrom formed with bores or sockets for the reception of said pins or rods, substantially as set forth.

3. In a file for heavy documents, the combination of a vertical back-board, sockets secured thereto and having upwardly-inclined screw-threaded bores formed therein, supporting-rods screw-threaded at one end and offset or reduced at the other end, secured to said sockets, and a handle-bar having tubular rods projecting therefrom and adapted to engage the reduced ends of the supporting-rods, substantially as set forth.

4. In a file for heavy documents, the combination, with a handle-bar, of tubular rods projecting therefrom for engagement with the supporting-rods of the file, said tubular rods being open at both ends, substantially as and for the purpose set forth.

5. In a file for heavy documents, the combination of a vertical back-board, upwardly-inclined supporting-rods projecting therefrom and having reduced outer ends, a series of index or division sheets supported on said rods, and a handle-bar having tubular rods projecting therefrom for engagement with said supporting-rods, the external diameters of all the projecting rods being equal, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

CHARLES H. DRIVER.

Witnesses:
H. G. UNDERWOOD,
WILLIAM KLUG.