J. C. HISLOP.

DESK FILE.

APPLICATION FILED DEC. 16, 1920.

1,414,130. Patented Apr. 25, 1922.

2 SHEETS—SHEET 1.

Fig. 1.

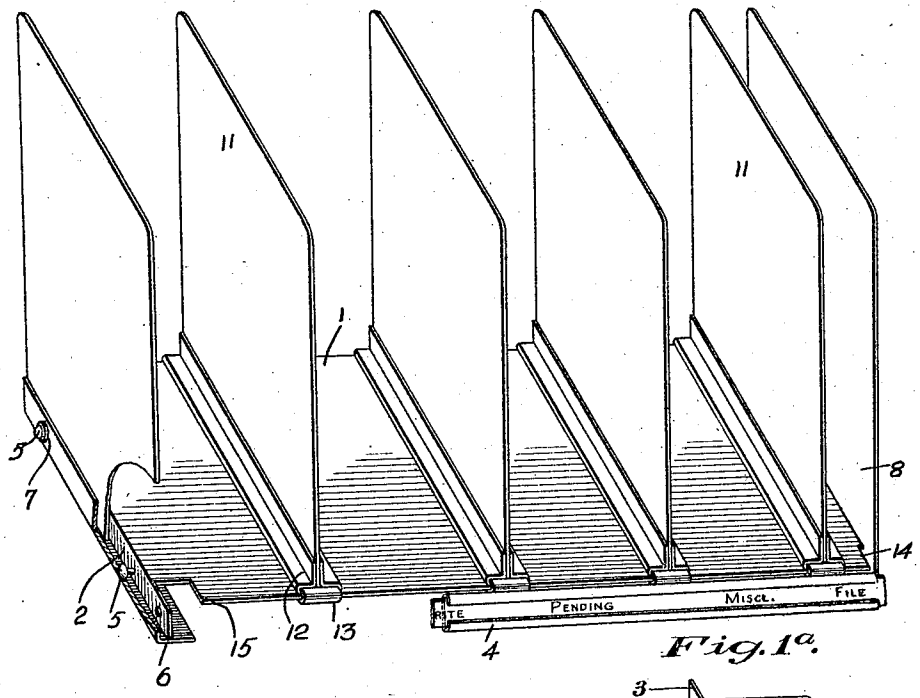


Fig. 1a.

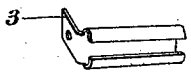


Fig. 2.

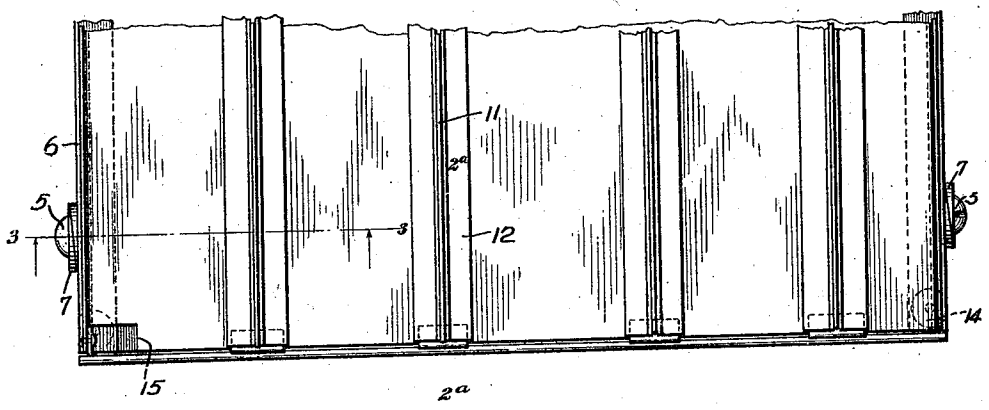
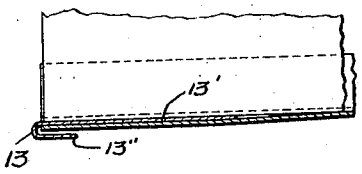


Fig. 2a.



WITNESSES

E. A. Wilson

A. L. Kitchin.

INVENTOR

JOHN C. HISLOP

BY Munn & Co

ATTORNEYS

J. C. HISLOP.

DESK FILE.

APPLICATION FILED DEC. 16, 1920.

1,414,130. Patented Apr. 25, 1922.

2 SHEETS—SHEET 2.

Fig. 3

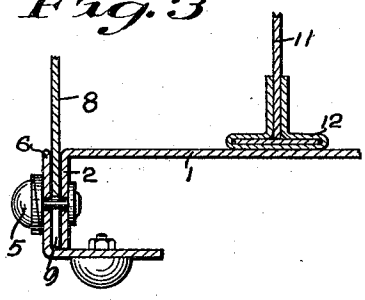


Fig. 5.

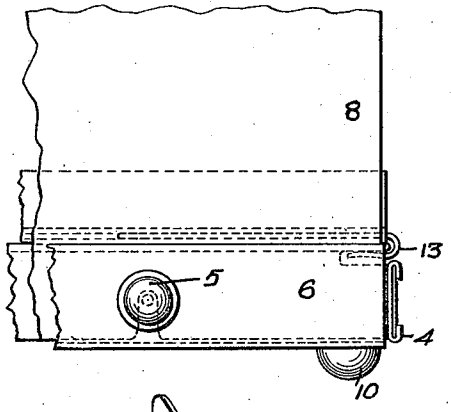


Fig. 4

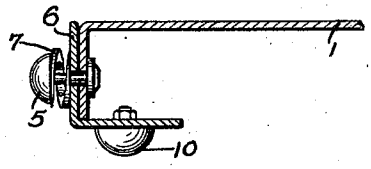


Fig. 6.

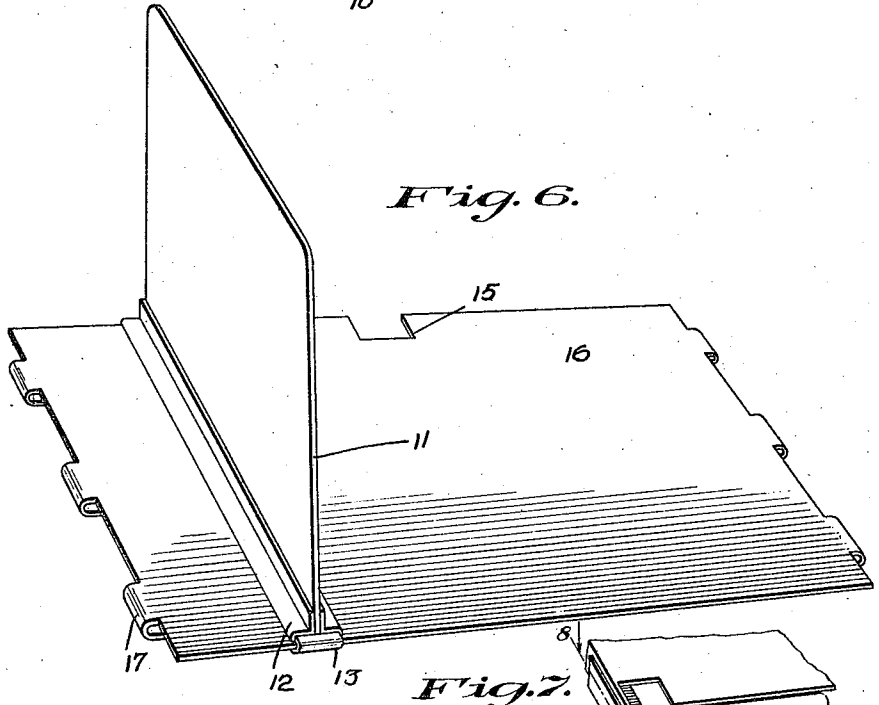


Fig. 7.

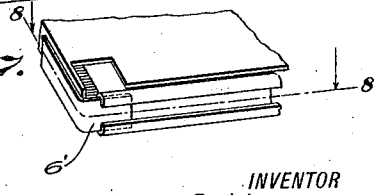
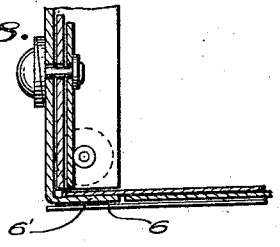


Fig. 8.



WITNESSES

E. A. Wilson

A. L. Kitchin.

INVENTOR

JOHN C. HISLOP

BY Munn & Co

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN C. HISLOP, OF NEWARK, NEW JERSEY.

DESK FILE.

1,414,130. Specification of Letters Patent. Patented Apr. 25, 1922.

Application filed December 16, 1920. Serial No. 431,121.

To all whom it may concern:

Be it known that I, JOHN C. HISLOP, a citizen of Canada, and a resident of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Desk File, of which the following is a full, clear, and exact description.

This invention relates to files and particularly to an improved construction which will readily adapt itself to a desk or a file cabinet for convenient use in a drawer, a shelf or other place.

Another object of the invention is to provide a file in which a foundation plate is used associated with a plurality of easily adjusted division plates capable of easy movement to any desired place whereby the space above the base plate may be divided as required.

A further object of the invention is to provide a desk file in which the parts may be readily set up and taken down and will occupy a minimum space when either in an operative position or in a collapsed position.

A still further object of the invention is to provide a desk file having a plurality of easily adjustable compartments, the arrangement being such that the partition members forming the compartments may be added or removed easily at any time.

In the accompanying drawings—

Figure 1 is a perspective view of a file disclosing one embodiment of the invention, certain parts being broken away.

Figure 1ª is a detail fragmentary perspective showing one end of the label holder illustrated in Figure 1.

Figure 2 is a top plan view of part of the structure shown in Figure 1.

Figure 2ª is a fragmentary sectional view through Figure 2 approximately on line 2ª—2ª.

Figure 3 is a fragmentary sectional view through Figure 2 on line 3—3.

Figure 4 is a view similar to Figure 3 but showing the end plate removed.

Figure 5 is a fragmentary view showing a front elevation of the structure illustrated in Figure 3.

Figure 6 is a perspective view of a file disclosing a modified form of invention to that illustrated in Figure 1, the same being capable of use in a drawer, a shelf or other support.

Figure 7 is a detail fragmentary perspective view showing a slight modified form of connection for the label holder.

Figure 8 is a sectional view through Figure 7 on line 8—8.

Referring to the accompanying drawings by numeral, 1 indicates the base of the file as illustrated in Figure 1, which file is particularly adapted for use on a desk. In this form of the invention preferably the ends are turned down for forming depending flanges 2 which flanges are provided with openings near one end or if desired both ends for receiving rivets whereby the bent over end 3 of the label or legend holder 4 may be firmly secured to the bent down ends 2. It is, of course, evident that bolts could be used instead of rivets without departing from the spirit of the invention. By arranging the parts in this manner the label holder acts as such in an efficient manner and in addition acts as a bracing and stiffening member for the base 1 by the way it holds the bent down ends 2.

In Figures 7 and 8 a slight modified form of supporting or connecting means is provided for the holder 4. This consists in causing the upstanding section of the angle iron 6 to be formed with a bent over extension 6′ which is snugly fitted into the turned over edges of the holder 4 whereby said holder is properly retained in place and a neat corner construction produced.

Associated with each of the depending flanges 2 (Figs. 3 and 4) are one or more retaining members 5 which are in the form of rivets, said rivets being longer than necessary to hold the flange 2 and the angle iron 6 together. The difference being taken up by a spring washer 7 which is compressed when the end plate 8 is inserted as shown in Figure 3. This end plate is provided with a slot 9 for each of the members 5, two members being shown in Figure 1 though a greater or less number could be used without departing from the spirit of the invention.

In Figures 3 and 4 the angle-iron 6 is provided with rubber supporting members 10 bolted or otherwise rigidly held in place whereby the device may be readily used on a highly polished desk without any injury thereto. If desired, a single flat strip could be used against the flange 2 instead of the angle plate and an inward bent section could be provided on the flange 2 for receiving the supporting rubber members 10. The base is made from sheet metal and may be enameled or otherwise covered and the end members 8

are likewise made of sheet metal and painted, enameled or otherwise ornamented. By providing the spring washer 7 and associated parts the end plates 8 may be quickly applied or quickly removed as occasion may demand without the use of tools or any manually operated means.

In order to provide proper compartments between the end plates 8 a number of partitions 11 are provided which are preferably formed from sheet metal and of the same size as the end plates 8. In order to hold these division plates 11 in any desired place between the ends of the base 1, the member 12 which may be termed a foot, is rigidly secured to the lower edge of each of the division plates 11 and fit flat-wise against the base 1. These foot members may be welded, riveted or otherwise rigidly secured to the division plates 11. At the time when the members 12 are fastened to the plates 11, resilient hooks 13 are arranged at each end thereof as shown in Figure 2a, the section 13′ being rigidly clamped in place while the opposite or hook end 13″ resiliently grips the edges of the base 1. The base 1 is provided at one end with small notches 14 for admitting the hooks 13 while the opposite end may be provided preferably with one large notch 15 whereby one of the hooks 13 may be slipped over one edge of base 1 and the other hook passed directly through the notch 15 and then the division plate slid along the base 1 to the desired position. When the small notches 14 are used the end plate 8 must be removed before the division plates 11 can be placed on the base 1 whereas by the use of the notch 15 it is not necessary to remove the end plates as the division plates may be readily placed in position at any time.

Where the device is to be used in a drawer of a cabinet or on a shelf, the card holder 4 and member 6 and associated parts are eliminated and a base 16 is provided which consists merely of a flat sheet of metal having a plurality of supporting legs which may be in the form of turned over extensions 17 whereby the body of the plates 16 is supported above the bottom of the drawer a sufficient distance to allow the passage of the hooks 13 on the division plates 11. If desired a notch 15 can be provided at any desired point in plate 16 so that the plate could fit the drawer or the shelf and yet division plates could be added or removed at any time according to the circumstances.

A large number of slight changes and variations could be provided without in any way departing from the spirit of the invention while utilizing the sliding feature and the automatic locking of the division plates in any adjusted position.

What I claim is:—

1. In a file of the character described a flat base provided with supporting means and formed with a notch therein and a division member formed with a foot section adapted to engage the base flat-wise and with a pair of hooks adapted to overlap the edges of the base, one of said hooks being movable through said notch and move to a position opposite the same for application or removal.

2. A desk file of the character described comprising a flat base formed with a pair of turned down ends, a plurality of adjustable division members arranged on said base, an end plate for each end of said base and resilient means for clamping said end plates in position.

3. In a desk file of the character described a flat base, a plurality of adjustable division members arranged on said base, a plurality of headed pins extending from each end of said base, a clamping plate loosely mounted on said pins, a spring member arranged between the heads of said pins and the respective plates for resiliently clamping the plates against the ends of said base and an end plate for each end of the base, each of said end plates being formed with notches whereby the end plates may be forced between said clamping plates and the end of the base plate with the notches straddling the pins.

4. A desk file of the character described comprising a flat base formed with a pair of turned down ends, a plurality of slidingly mounted division members arranged on said base capable of sliding from near one end to near the other end, an end plate for each end of said base and means for removably clamping said end plates in position.

5. A desk file of the character described comprising a flat base formed with a pair of turned down ends, means for slidingly mounting a plurality of division members on said base, an end plate for each end of said base, and a clamping plate for each end of said base for clamping in position said end plates.

JOHN C. HISLOP.