T. J. MacKAY, Sr.

FILE.

APPLICATION FILED OCT. 3, 1907.

911,736. Patented Feb. 9, 1909.

Fig. 1.

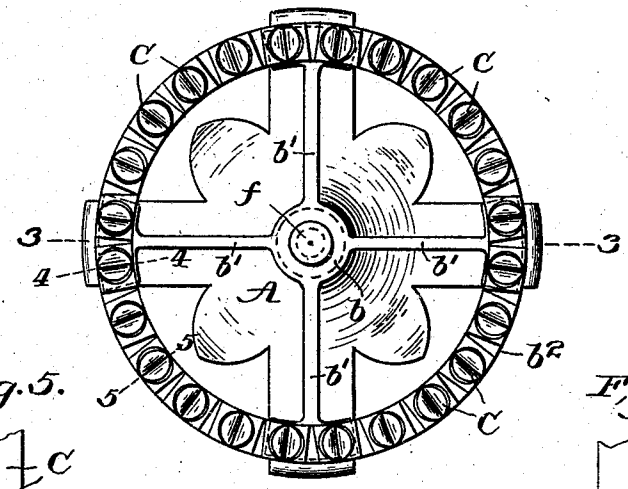


Fig. 5.

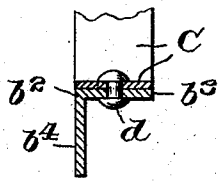


Fig. 4.

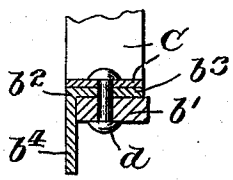


Fig. 2.

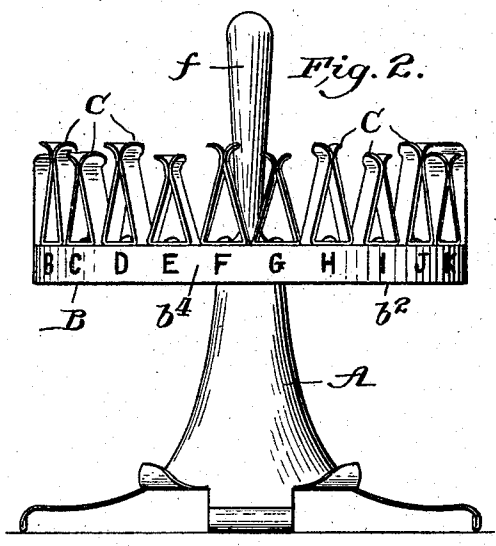
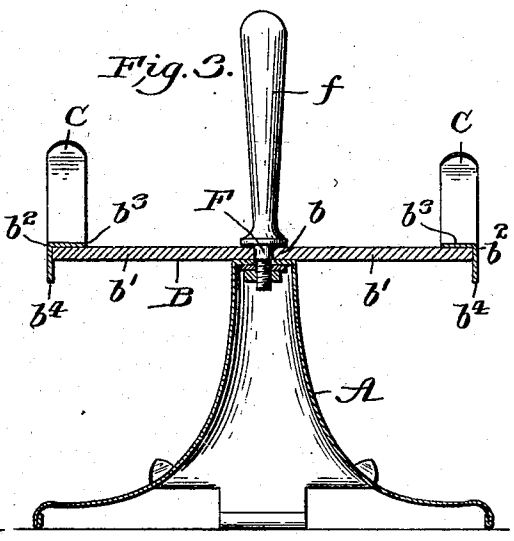


Fig. 3.



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FILE.

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Application filed October 3, 1907. Serial No. 395,728.

To all whom it may concern:

Be it known that I, THOMAS J. MacKAY, Sr., citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Files, of which the following is a specification.

The object of my invention is to provide a simple, inexpensive and efficient file for holding letters, cards, &c., and to this end the invention consists in the novel construction and combinations of parts which will be hereinafter fully described and claimed.

Figure 1 is a plan view of my improved file. Fig. 2 is a side elevation thereof. Fig. 3 is a vertical section as on the line 3—3 of Fig. 1. Figs. 4 and 5 are sectional details of the means for securing certain parts together, as on the lines 4—4 and 5—5 of Fig. 1.

A designates the base which is adapted to rest upon a desk, table, or the like. This base may be of any shape and design for its intended purpose. In the present instance this base is made of sheet metal, and is hollow, being flaring at its bottom and tapering toward its top. The top of the base A forms a support for the central portion of a rotatable frame B, which comprises the central hub b, the arms b^1 radiating therefrom, and the outer ring b^2 surrounding the arms b^1.

Arranged around the ring b^2 and projecting upwardly therefrom, is a series of pairs of spring fingers C. Each pair of spring fingers is made from a single piece of spring metal bent into triangular form, and having its base resting upon the top flange b^3 of the ring b^2, the base being secured to the flange by a rivet d. The tops of the pairs of fingers are flared outwardly for the reception of letters, cards, &c., so that they may be readily inserted between the fingers and held therein by the spring action of the fingers. The pairs of fingers are made in two lengths, the pairs of long fingers alternating with the pairs of short fingers, as shown in Fig. 2. This construction permits the outwardly flaring ends of the short fingers to pass under the outwardly flaring ends of the long fingers, and thus permit the maximum opening of the pairs of fingers. As previously stated, the fingers C are secured to the ring b^2 by rivets d, as seen in Fig. 5. These rivets also secure the ring b^2 to the outer expanded ends of the arms b^1 where the spring fingers C are located above the said expanded ends, as shown in Fig. 4.

The hub b of the frame B is centrally perforated, and extending through the perforation is a pin F around which the frame B is adapted to turn. The lower end of the pin F is reduced to form a shoulder which rests upon the top of the base A, the reduced portion of the pin extending through an opening in the top of the base and being screw-threaded and provided with a nut which engages the under side of the top of the base in a manner to secure the pin F thereto. Projecting from the pin F is a suitable handle f by means of which the file may be moved from place to place, as desired. The handle f, if desired, may be replaced by any suitable ornamental figure, thus making the file more attractive.

The ring b^2 includes a downwardly extending flange b^4. This flange may be provided with the letters of the alphabet, one arranged adjacent each pair of fingers C. Or it may be provided with other matter indicating the nature of the papers filed between the pairs of fingers.

By the foregoing description, it will be seen that letters, &c. may be readily inserted between or removed from the fingers C, and that said fingers will be permitted to open to receive the maximum quantity of papers, due to the long pairs of fingers alternating with the short pairs of fingers; and that the frame B may be readily turned upon the base A to afford ready access to any part of the file.

I claim:

1. In a file, the combination of a support, a pair of spring fingers secured thereto and having outwardly flaring free ends, and a second pair of spring fingers secured to said support adjacent the first named pair, and having outwardly flaring free ends, one of the two adjacent fingers of said pairs of fingers being shorter than the other, whereby the outwardly flaring end of the short finger may pass under the outwardly flaring end of the adjacent long finger.

2. In a file, the combination of a support and a series of pairs of spring fingers secured thereto, said fingers having outwardly flaring free ends, and each alternating pair being shorter than the next adjacent pair,

whereby the outwardly flaring ends of the short fingers may pass under the outwardly flaring ends of the long fingers.

3. In a file, the combination of a support, a centrally perforated rotatable member thereon, a series of pairs of spring fingers projecting from said member, a pin engaged with a support and extending upwardly through the perforation in said member, and a handle rising from said pin.

4. In a file, the combination of a support, a rotatable member mounted thereon, a ring surrounding said member, and comprising a horizontal flange resting upon the member and a vertical flange depending from the horizontal flange, a series of pairs of spring fingers mounted on said ring, and means for securing said fingers, ring and member together.

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

THOMAS J. MACKAY, SR.

Witnesses:

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ELLA M. WARE.