J. P. HARRINGTON & E. L. BYRNE.

ROTARY FILE CABINET.

APPLICATION FILED JUNE 30, 1913.

1,072,451.

Patented Sept. 9, 1913.

2 SHEETS—SHEET 1.

Fig. 1.

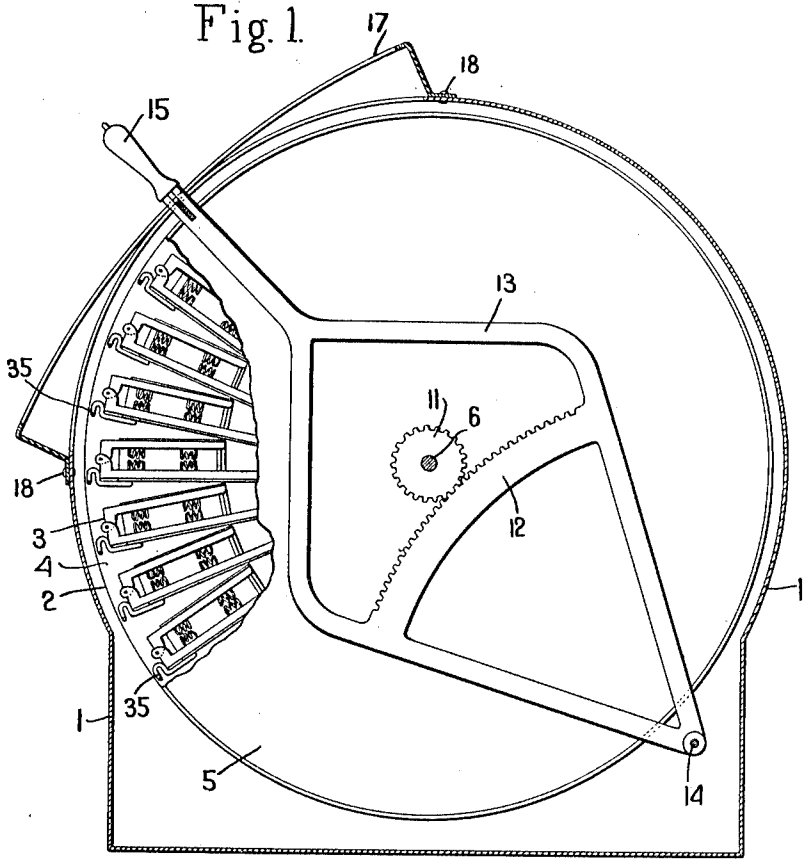
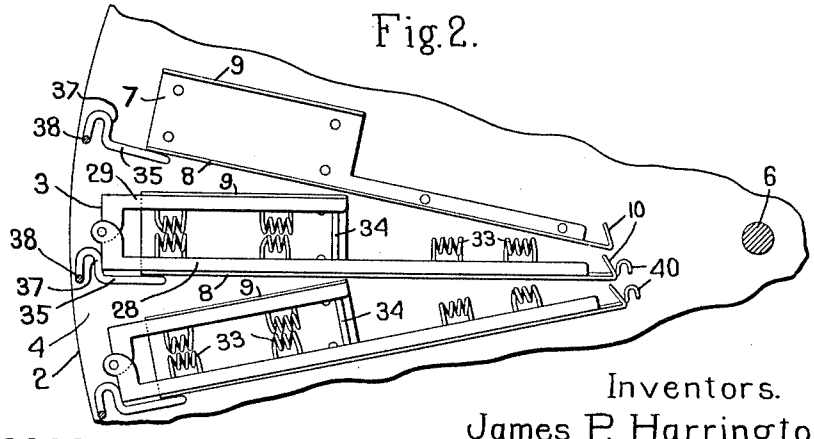


Fig. 2.



Witnesses.

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2 SHEETS—SHEET 2.

Fig. 3.

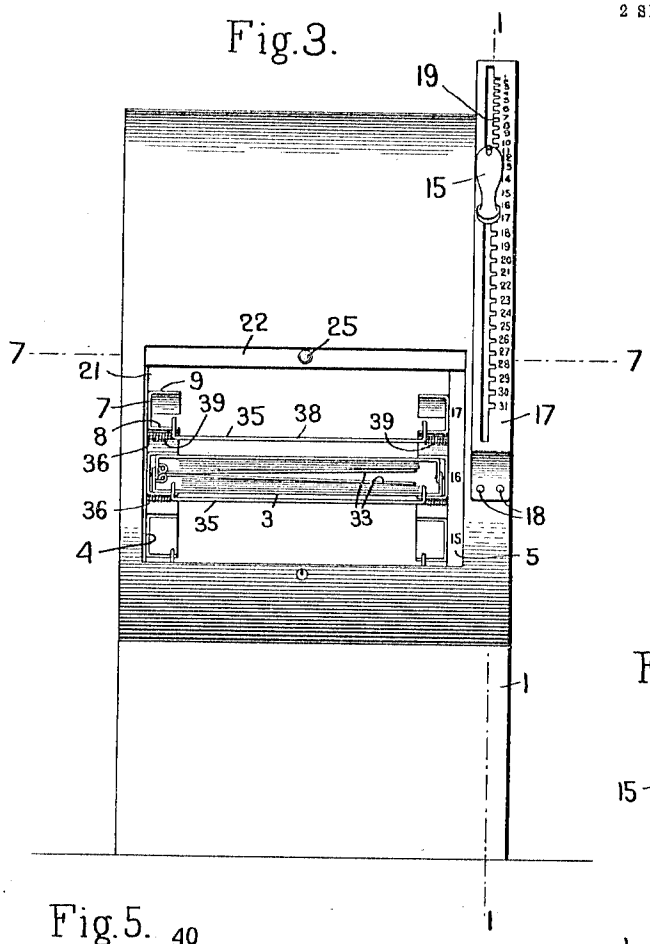


Fig. 4.

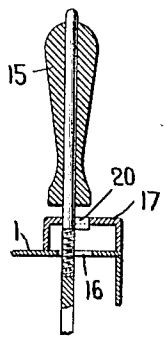


Fig. 5.

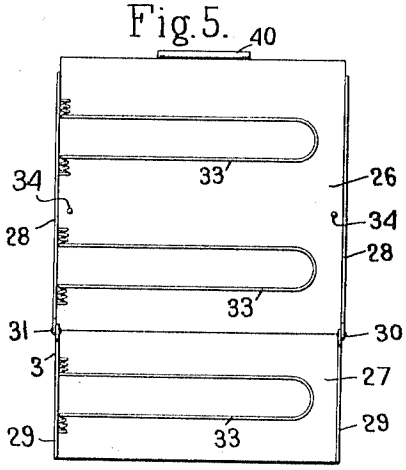


Fig. 6.

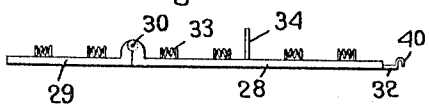
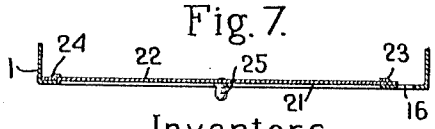


Fig. 7.



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UNITED STATES PATENT OFFICE.

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ROTARY FILE-CABINET.

1,072,451. Specification of Letters Patent. Patented Sept. 9, 1913.

Application filed June 30, 1913. Serial No. 776,534.

To all whom it may concern:

Be it known that we, JAMES P. HARRINGTON and EDWARD L. BYRNE, citizens of the United States, residing at Dorchester, county of Suffolk, State of Massachusetts, have invented an Improvement in Rotary File-Cabinets, of which the following description, in connection with the accompanying drawing, is a specification, like characters on the drawing representing like parts.

This invention has reference to rotary file cabinets of the type comprising an outer inclosing casing, a rotatable frame or casing and a plurality of file holders removably supported in the rotatable frame.

One object of the invention is to provide a device of this type in which all the file holders are arranged so as to be readily accessible and in which the available space within the frame is substantially filled by the file holders. This and other objects are accomplished as will appear from the following specification by providing an inclosing casing, a rotatable frame mounted therein and having a plurality of substantially radial slideways to present sector shaped spaces between the slideways and file holders each comprising a main section slidable in said slideways and an auxiliary section hinged to and foldable over upon the main section whereby each holder when folded, substantially fills a sector shaped space.

This device is particularly useful for filing three groups of similarly shaped papers as for example, in the case of insurance receipts where receipts for the current month, the preceding and succeeding months must be available. It may also be used in various other ways. For example, long papers may be filed in the main section of the file holder and shorter papers in the auxiliary section, or long papers may extend the full length of the holder and be folded as the holder is folded. Whichever the manner of use the advantages of ready accessibility and economy of space are obtained.

Referring to the drawings which show one type of file cabinet constructed in accordance with the principles of our invention, Figure 1 is a sectional view taken on the line 1—1 of Fig. 3 a portion of the rotatable frame being broken away; Fig. 2 is an enlarged view showing a part of one side of the rotatable frame with two file holders in position; Fig. 3 is a front view showing a door of the casing open and showing one file holder in position in the rotatable frame; Fig. 4 is a detail sectional view of the operating handle and the indicating segment; Fig. 5 is a plan view of the file holder shown as open or unfolded; Fig. 6 is a similar side view of the file holder and Fig. 7 is a sectional view on the line 7—7 of Fig. 3.

Referring to the drawings in detail 1 indicates a casing which incloses and supports a rotatable frame 2 in which file holders 3 are releasably retained. In the structure shown the rotatable frame comprises two parallel disks 4 and 5 secured to a shaft 6 which shaft is rotatably mounted in bearings in opposite sides of the casing 1. To each disk are secured plates 7 which are flanged at 8 to provide slideways for the file holders and at 9 to provide retaining members which prevent the displacement or unfolding of the file holders during rotation of the frame. The ends 10 of the flanges 8 are bent to form stops to determine the position of the file holders 3.

The frame may be rotated by any suitable means. In the structure illustrated, a gear 11 is secured to the shaft 6 and is rotated by a gear sector 12 forming part of the frame 13 pivoted to the casing 1 at 14 and provided with a handle 15. This handle projects through a slot 16 in the casing 1 and an indicating sector 17 is secured to the casing 1 as by rivets 18 and is provided with notches 19 into which a spring pressed detent 20 carried by the handle may project. This indicating sector is shaped to form an arc having its center at 14. The notches 19 are positioned to correspond to the several positions to which it is desired to rotate the frame and corresponding reference numbers or letters are accordingly placed upon both the indicating sector 17 and the disk 5. For this purpose the disk 5 may be provided with a flange at its outer edge. The reference numbers or letters on the disk may be omitted if desired as the numbers or letters on the indicating sector are sufficient.

To provide access to the file holders the casing is formed with an opening 21 in a

convenient position and this opening may be closed by a sliding door 22 sliding in ways 23 and 24 provided on the inside of the casing. The door is provided with a handle 25 and may also be provided with a lock if desired to hold it in its closed position.

The file holders 3 each comprise a long main section 26 and a shorter auxiliary section 27 preferably hinged together. Each section is provided with a narrow flange at each side as shown at 28 and 29. At the connected ends these flanges are extended and are connected together by rivets 30 and 31 to form a hinged joint connecting the auxiliary section to the main section as will be seen in Figs. 2 and 6. The flanges 28 do not extend to the free end of the main section, the flat end 32 projecting into the angles formed by the bent ends 10 of the slideways 8 to determine the position of the holder. To hold the papers in position in the file holders, spring retainers 33 are provided. These may be of any desired form. We have shown these retainers as made from wire bent in the form of a spring and soldered at the ends to the flanges of the file holder. Stops 34 are secured to the main section 26 of the file holder against which the auxiliary section 27 rests when folded over upon the main section.

Retaining members to prevent the contained holders sliding out are provided in the form of rods 35 pivoted to the frame at their ends as shown at 36 and bent to engage the file holders as at 37 and to extend across the front thereof in position to be conveniently operated as shown at 38. Springs 39 normally hold these members in position to retain the holders in the frame but permit them to be swung aside to allow the holders to be removed. These rods 35 may also serve as temporary supports for the file holders for which purpose the file holders may be provided with tongues bent to form hooks as shown at 40. These tongues are made sufficiently narrow so as not to engage the turned up ends 10 of the flanges 8.

Having described our invention, what we claim as new and desire to secure by Letters Patent is:—

1. A file cabinet comprising a rotatable frame having a plurality of substantially radial slideways to present sector shaped spaces between the slideways and file holders each comprising a main section slidable in said slideways and a shorter auxiliary section whereby each holder substantially fills a sector shaped space.

2. A file cabinet comprising a rotatable frame having a plurality of substantially radial slideways therein to present sector shaped spaces between the slideways, and file holders each presenting a main section slidable in said slideways and an auxiliary section hinged to and foldable over upon the main section whereby each holder when folded substantially fills a sector shaped space.

3. A file cabinet comprising a rotatable frame having a plurality of substantially radial slideways therein to present sector shaped spaces between the slideways, file holders each presenting a main section slidable in said slideways and an auxiliary section hinged to and foldable over upon the main section whereby each holder when folded substantially fills a sector shaped space and means on said frame at each space to prevent the unfolding of the contained file holder when in place.

4. A file cabinet comprising a rotatable frame having a plurality of substantially radial slideways therein to present sector shaped spaces between the slideways, file holders each presenting a main section slidable in said slideways and an auxiliary section hinged to and foldable over upon the main section whereby each holder when folded substantially fills a sector shaped space, and means pivotally mounted on said frame adjacent the front of each space to prevent the contained holder from sliding out and when swung aside to allow the contained holder to be removed from its space.

5. A file cabinet comprising a rotatable frame having a plurality of substantially radial slideways therein to present sector shaped spaces between the slideways and file holders each comprising a main section slidable in said slideways, an auxiliary section foldable over upon the main section whereby each holder when folded substantially fills a sector shaped space and a retaining spring for holding papers in each section.

6. A file cabinet comprising a rotatable frame having a plurality of substantially radial slideways therein to present sector shaped spaces between the slideways, file holders each comprising a main section slidable in said slideways and a shorter auxiliary section and means to prevent the contained holder from sliding out and when swung aside to allow the contained holder to be removed from its space comprising a rod pivotally connected to said frame and bent to engage the holder and to extend across the front thereof in position to be conveniently operated.

7. A file cabinet comprising a rotatable frame having a plurality of substantially radial slideways therein to present sector shaped spaces between the slideways, file holders each comprising a main section slidable in said slideways and a shorter auxiliary section and means to prevent the contained holder from sliding out and when swung aside to allow the contained holder to be removed from its space comprising a rod pivotally connected to said frame and

bent to engage the holder and to extend across the front thereof in position to be conveniently operated, each file holder being provided with a hook whereby said holder may be temporarily supported upon said rod.

In testimony whereof, we have signed our names to this specification, in the presence of two subscribing witnesses.

JAMES P. HARRINGTON.
EDWARD L. BYRNE.

Witnesses:
MAURICE B. LANDERS,
THOMAS J. DRUMMOND.