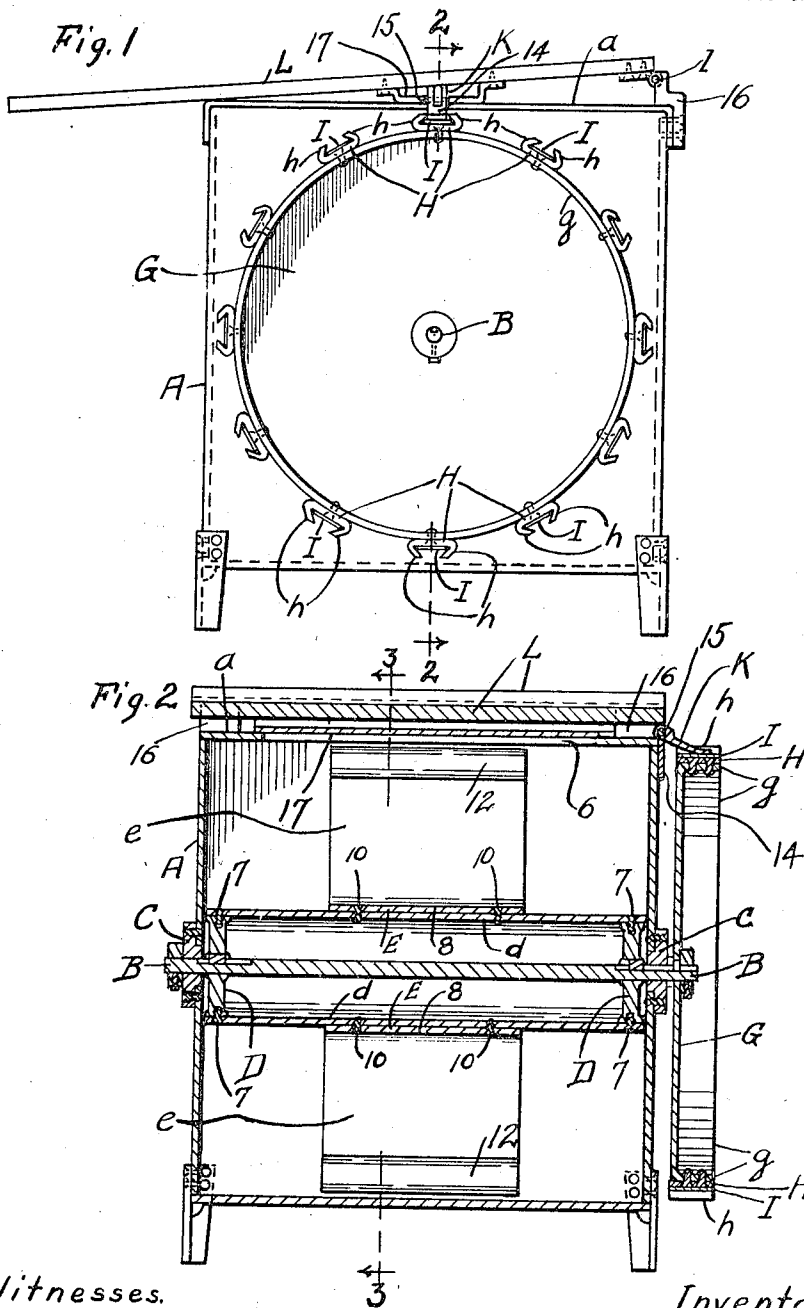




Witnesses.

Carroll Hoover.
B. C. Brown.

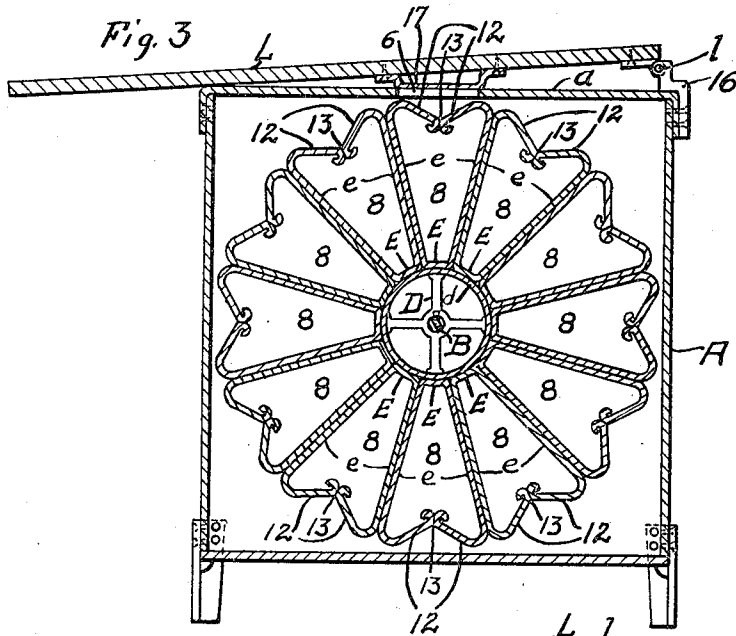
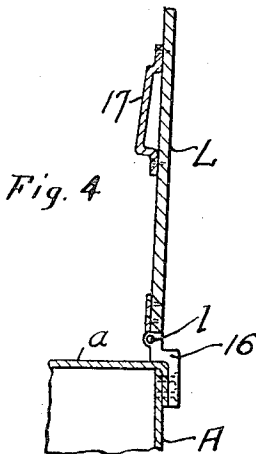
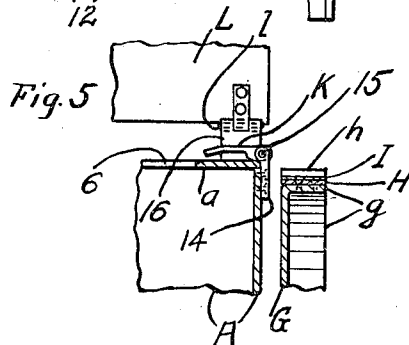
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1,289,190.

A. S. KLEIN.
FILING CABINET.
APPLICATION FILED JAN. 29, 1917.

Patented Dec. 31, 1918.
2 SHEETS—SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

ADOLPH S. KLEIN, OF CLEVELAND, OHIO.

FILING-CABINET.

1,289,190.

Specification of Letters Patent.

Patented Dec. 31, 1918.

Application filed January 29, 1917. Serial No. 145,091.

To all whom it may concern:

Be it known that I, ADOLPH S. KLEIN, a citizen of the United States of America, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Filing-Cabinets; and I hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

This invention relates to improvements in filing cabinets, and more especially to a filing cabinet comprising a rotary file arranged substantially horizontally within a case and comprising compartments arranged side by side circumferentially of the axis of the file and accessible through an opening in the case and comprising means arranged externally of the case for rotating said file and thereby enable the bringing of any compartment opposite said opening and permit access to said compartment at said opening.

One object of this invention is to operatively provide said file externally of the aforesaid case with a rotary member for rotating the file and to utilize said external rotary member as a support for holders adapted to receive index-cards and spaced circumferentially of said external rotary member.

Another object is to lock said external rotary member and the connected file against rotation.

Another object is to enable an index-card-holder to participate in locking the file against rotation.

Another object is to have the aforesaid case provided with a top having the hereinbefore mentioned opening for access to the compartments of the file, and to provide said case with a table-forming leaf which is pivotally connected to the case and arranged to swing in a vertical plane and has a closure for said opening.

Another object is to produce a sanitary filing cabinet of the character indicated which is simple and durable in construction, convenient, substantially dust-proof and not liable to get out of order.

With these objects in view, and to the end of attaining any other object hereinafter appearing, this invention consists in certain features of construction, and combinations and relative arrangement of parts, hereinafter described in this specification, pointed

out in the claims and illustrated in the accompanying drawings.

In said drawings, Figure 1 is a right-hand side elevation of a filing cabinet embodying my invention. Fig. 2 is a central vertical section on line 2-2, Fig. 1, looking rearwardly. Fig. 3 is a vertical section on line 3-3, Fig. 2, looking in the direction indicated by the arrow. Fig. 4 illustrates a portion of Fig. 3, but in Fig. 4 the table-forming leaf is shown in its upwardly and rearwardly swung position, whereas in Fig. 3 said leaf is shown in its normal and opening-closing position. Fig. 5 illustrates a portion of Fig. 2, but in Fig. 5 the table-forming leaf is shown in its upward and rearward position and a member employed in locking the card-holder-carrying rotary member against rotation is shown in an inoperative position, whereas in Fig. 2 said locking member is shown in its operative position and the table-forming leaf is shown in its normal and opening-closing position.

My improved filing cabinet comprises a metal case A which is formed in any approved manner and comprises a metal top *a* which is provided centrally between the front and back of the case A with an opening 6 extending between the sides of the case.

A rotary file is arranged substantially horizontally within and centrally of and supported from the case A and comprises a shaft B which is arranged substantially horizontally centrally of the case. The shaft B is shown extending between and through and externally of the sides of the case A and preferably extends a suitable distance outside of the case at each side of the case. Said shaft (see Fig. 2) has bearing at the sides of the case in suitably formed boxes C which are secured to the case in any approved manner. Operatively mounted on said shaft within the case A is a drum which comprises two corresponding spiders D arranged within the case and spaced longitudinally of the shaft. Said spiders are operatively mounted on said shaft in any approved manner, and a metal tube *d*, shown circular in cross-section, is mounted on and extends between said spiders, which tube (see Fig. 2) is secured preferably removably by means of screws 7 to said spiders. It will be observed therefore that the tube *d* and spiders D form a drum which is operatively mounted upon the shaft B and arranged within the

case A and extends at its ends into close proximity to the sides of said case. My improved rotary file (see Figs. 2 and 3) also comprises compartments 8 arranged side by side circumferentially of said drum and consequently circumferentially of the axis of the rotary file comprising said drum. Each compartment 8 is formed preferably by a metal section having a central member E extending longitudinally of the drum and secured preferably removed by means of screws 10 (see Fig. 2) to the drum, and said compartment-forming section comprises two side members *e* extending longitudinally and spaced circumferentially of the drum and arranged substantially radially relative to the drum. The two side members *e* of each compartment-forming section diverge therefore outwardly from the drum and at their farther separated or outer ends and are each provided with a resilient member 12 arranged opposite the central member E of said section. The resilient member 12 of each side member *e* of each compartment-forming section extends longitudinally of said side member and toward the other side member of said section. The resilient members 12 of the side members *e* of each compartment-forming section converge somewhat in the direction of the drum and have substantially radially arranged opposing surfaces, as at 13, abutting against each other centrally between said side members, and said resilient members form a closure for the compartment formed by said section and are adapted to be flexed inwardly by the introduction at said closure-forming members into said compartment of a hand employed in removing a portfolio or other papers or matter which may be contained in said compartment.

Means for rotating the drum, as required to bring any compartment 8 of the file opposite the opening 6 of the case A for access to said compartment through said opening, are provided and comprise an index-wheel arranged at one side and externally of the case and comprising a circular metal disk G operatively mounted on the shaft B.

The disk G is provided at its circumference with a laterally and outwardly projecting annular flange *g* arranged concentrically relative to the shaft B and provided at its outer side with index-card-holders consisting each of a plate H arranged transversely of said side of and secured to said flange. Each plate H is provided at its outer side with two flanges *h* which are spaced circumferentially of the index-wheel comprising the disk G and card-holders formed by the plates H. The flanges *h* of each plate H project somewhat toward each other, and a card I is interposed between said flanges and removable endwise from said plate. The relative arrangement of the parts is such that when the rotary

file is in position with a compartment opposite the opening 6, as shown, the index-wheel is in position with a card-holder arranged vertically above the axis of said wheel, and I would here remark that the card I in said holder is adapted to have marked or placed thereon a memorandum or index indicating the contents of said compartment, and obviously said card-holder is associated with said compartment.

Of course the card-holders correspond in number with the compartments 8, and the relative arrangement of the parts is such that the card-holders are associated with different compartments respectively.

The case A is provided at the top thereof, adjacent the index-wheel, with a locking member K which is pivoted horizontally and at a right angle to the shaft B to a bracket 14 rigid with the case. The locking member K, as shown in Figs. 1 and 2, is normally in its locking and operative position in which it rests on the card I in the card-holder shown vertically above the axis of the index-wheel and is arranged between the flanges *h* of said card-holder so as to prevent rotation of said wheel and the connected rotary file.

A table-forming leaf L is arranged over and normally rests on the case A and extends forwardly of the case and also rests on the locking member K which is in its operative position in said position of said leaf, and hence said leaf prevents upward displacement of said locking member into an inoperative position. The leaf L is shown sloping upwardly and rearwardly and pivoted at its rear end, as at 7, in horizontal and parallel relation with the shaft B, to brackets 16 arranged at the rear end and rigid with and projecting above the case A. The leaf L is provided at its under side with a cover or closure 17 for the opening 6, and said closure covers said opening in the normal position of said leaf shown in Figs. 1, 2 and 3. The opening 6 is uncovered by swinging the leaf L upwardly and rearwardly into the position shown in Figs. 4 and 5, and in said position of said leaf the locking member K is free to be swung inwardly from over the index-wheel into its inoperative position shown in Fig. 5 to render the index-wheel and the connected file free to be rotated to bring another compartment 8, if desired, opposite the opening 6, and to bring the index-card-holder associated with said compartment into position to receive the locking member K preparatory to again actuating said locking member into its locking and operative position preparatory to the return of the table-forming leaf into its normal and opening-closing position.

What I claim is:—

1. In a filing cabinet, the combination, with a case, a rotary file arranged substan-

5 tially horizontally within and supported from the case and having compartments arranged side by side circumferentially of the axis of the file, and an index-wheel arranged
 10 externally of the case and operatively connected with the file and having its axis coincident with the axis of the file, said index-wheel being provided with holders for index-cards, said holders corresponding numerically with the aforesaid compartments and
 15 being associated with different compartments respectively and arranged at and spaced circumferentially of the periphery of the index-wheel, and the case having a top provided with an opening arranged to afford access to the compartment which is associated with the index-card-holder brought into position vertically above the axis of the index-wheel by rotating said wheel, of a movable locking member pivotally connected to the case and extending in its operative position into said index-card-holder.

2. In a filing cabinet, the combination, with a case, a rotary file arranged substantially horizontally within and supported from the case and having compartments arranged side by side circumferentially of the axis of the file, an index-wheel arranged externally of said case and operatively connected with the file and having its axis coincident with the axis of the file, said index-wheel being provided with holders for index-cards, said holders corresponding numerically with the aforesaid compartments and
 35 being associated with different compartments respectively and arranged at and spaced circumferentially of the periphery of said wheel, and the case having a top provided with an opening arranged to afford

access to the compartment which is associated with the index-card-holder brought into position vertically above the axis of the index-wheel by rotating said wheel, of a locking member pivotally connected to the case and extending in its operative position into said index-card-holder, and a table-forming leaf pivotally connected to the case and provided at its under side with a cover for the aforesaid opening, said cover closing said opening or being removed from said opening according as the leaf is in the one or the other of its extreme positions, said leaf in its opening-closing position being arranged to prevent displacement of the aforesaid locking member out of its operative position.

3. In a filing cabinet, a drum, and compartments arranged side by side circumferentially of the drum and substantially radially relative to the axis of the drum, each compartment being formed by a metal section having a central member arranged at and secured to the drum and two side members spaced circumferentially of the drum and diverging outwardly from the drum, and two closure-forming resilient members arranged opposite and spaced outwardly from and converging toward the aforesaid central member of said section and connected to opposite side members respectively of said section.

In testimony whereof, I sign the foregoing specification, in the presence of two witnesses.

ADOLPH S. KLEIN.

Witnesses:

ARTHUR MALLING,
 B. C. BROWN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."