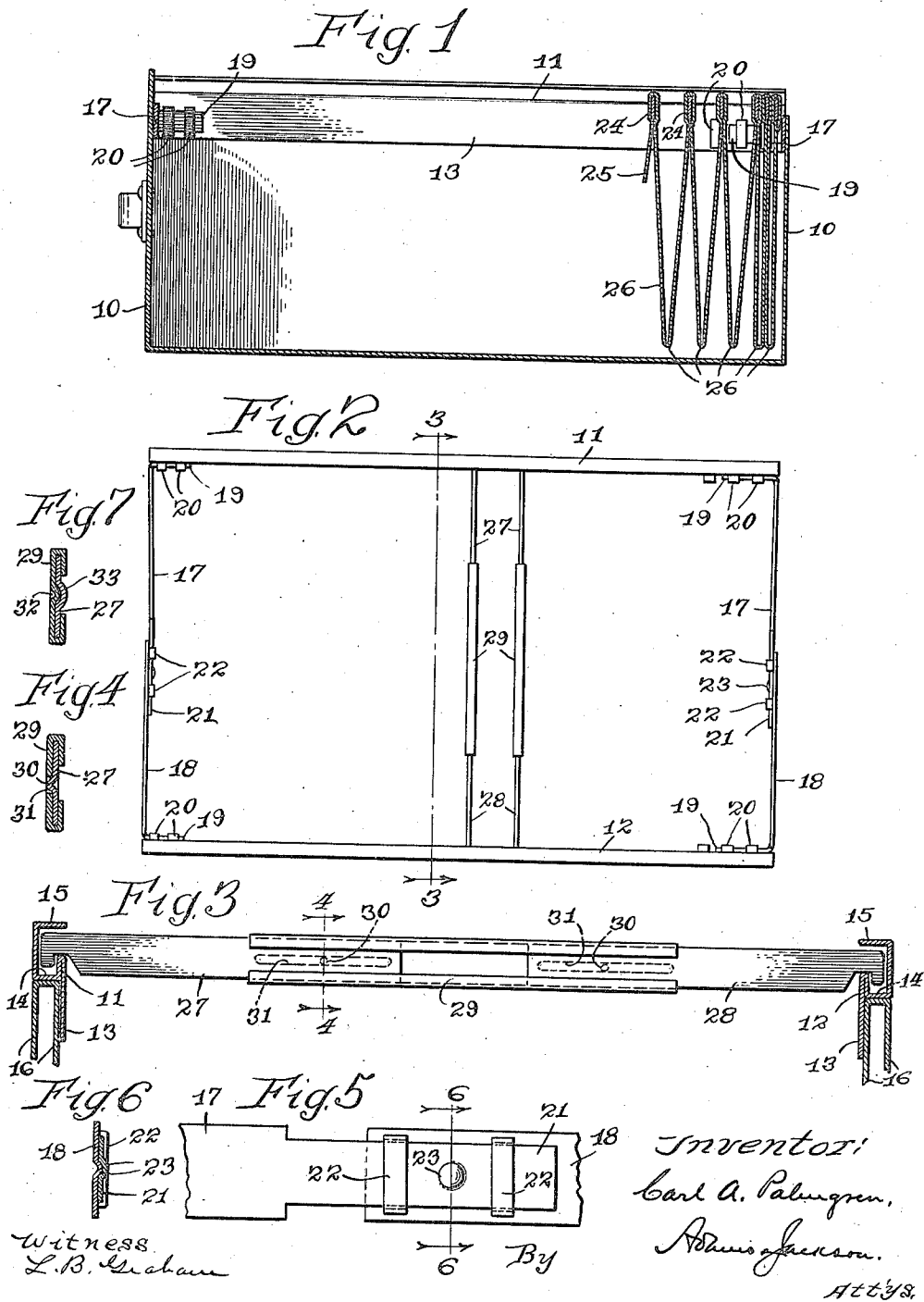


C. A. PALMGREN.  
FILING DEVICE.  
APPLICATION FILED MAY 31, 1917.

1,268,143.

Patented June 4, 1918.



# UNITED STATES PATENT OFFICE.

CARL A. PALMGREN, OF CHICAGO, ILLINOIS.

## FILING DEVICE.

1,268,143.

Specification of Letters Patent.

Patented June 4, 1918.

Application filed May 31, 1917. Serial No. 171,954.

*To all whom it may concern:*

Be it known that I, CARL A. PALMGREN, a citizen of the United States, and a resident of Chicago, in the county of Cook, State of Illinois, have invented certain new and useful Improvements in Filing Devices, of which the following is a specification, reference being had to the accompanying drawing.

This invention relates to filing devices of a type adapted for the open or flat filing of letters or other similar papers or documents. The drawers or containers in the cabinets in use and now being put upon the market for such filing systems vary greatly in size, slight variations being common in the size of the drawers of a single cabinet. It is one of the principal objects of my invention to provide a flexible filing device adapted to be applied either to the sides of the various filing cabinets already in use in lieu of the filing devices with which such cabinets were originally equipped or as the original equipment of new cabinets. To this end it is one of the objects of my invention to provide a form and arrangement of filing device which shall be capable of being easily and quickly adjusted to fit cabinets of varying sizes, the arrangement being such that the filing device may be firmly held in position in the drawer or slide regardless of any variation in the size of the cabinet from the normal. It is another object of my invention to improve filing devices of this type in sundry details hereinafter pointed out. The preferred means by which I have accomplished my several objects are illustrated in the drawings and are hereinafter specifically described. That which I believe to be new and desire to cover by this application is set forth in the claims.

In the drawings:

Figure 1 is a longitudinal vertical section through a drawer equipped with my improved filing device, a portion only of the transversely-extending riders being shown;

Fig. 2 is a top or plan view of the form of filing device shown in Fig. 1, with only two of the transversely-extending riders shown in position and with the adjustable pockets omitted;

Fig. 3 is an enlarged detail, being substantially a section taken on line 3—3 of Fig. 2, but showing the device in position upon the side walls of a steel drawer or slide;

Fig. 4 is an enlarged detail, being a section taken on line 4—4 of Fig. 3;

Fig. 5 is an enlarged detail, being a fragmentary view showing the form of connection between the side rails of my device;

Fig. 6 is a vertical section taken on line 6—6 of Fig. 5; and

Fig. 7 is a vertical cross-section corresponding to the showing of Fig. 4, but showing a modified form of construction.

Referring to Figs. 1 to 6 in which corresponding parts are indicated by the same reference characters,—

10 indicates a drawer preferably formed of steel adapted to be slidably mounted in any suitable cabinet not shown. 11—12 indicate the side rails of my improved filing device, each of said rails comprising a vertically-extending plate 13, a horizontally-extending portion 14, and a hood portion 15, as is best shown in Fig. 3. As is shown in that figure, the vertically-extending portions 13 bear against the inner faces of the side walls 16 of the drawer or slide, the horizontally-extending portions 14 of the rails being adapted to rest upon the upper edges of the side walls 16. The rails 11—12 are connected together at each end by means of transversely-extending links or bars 17—18 which are adjustably connected to each other at their inner ends. The outer ends of the bars 17—18 are provided with tongues 19 turned at right angles, adapted to be inserted through loops 20 cut and pressed inward from the plates 13 of the rails. The links 17—18 of each of the binders are adjustably connected together in the construction shown by means of a tongue 21 formed with the link or bar 17 passing through loops 22 cut and pressed from the face of the link 18, as is best shown in Figs. 5 and 6. When it is desired to attach a filing device in position upon a drawer, when the device is placed in position with the rails 11—12 in proper adjustment relative to the side walls of the drawer, the frictional engagement of the tongues 21 with the loops 22 is sufficient to hold the rails in proper position. In order to fix the device more firmly in position, however, I prefer to distort the plate 18 and the tongue 21 in some manner, as by the application of a suitable pressure device to the parts, for preventing longitudinal movement of the parts relative to each other. In the construction of Figs. 5 and 6, the distortion takes the form of small round pro-

tuberances 23, pressed outward from the faces of the two parts after the frame of the filing device has been adjusted to fit the cabinet to which it is to be applied.

5 As will be seen from an examination of Fig. 1, my improved filing device comprises a plurality of cross-bars or riders 24 about which a strip of cloth 25 or other suitable material is looped to form pockets 26, the  
10 pockets 26 being freely and easily adjusted to accommodate the desired amount of material therein by reason of the cross-bars 24 being slidably mounted upon the rails 11—12 of the framework of the device.

15 As is best shown in Figs. 2 and 3, each of the cross-bars or riders about which the cloth 25 is looped to form the receiving pockets comprises in the construction shown two end members 27—28 having their outer  
20 ends slidably mounted upon the rails 11—12 and having their inner end portions extending into a flattened sleeve or sheath 29. The sleeve or sheath 29 is designed to fit snugly upon the end members 27—28 of the rider  
25 so that the parts are held by friction adjustably in position therein. In order to prevent the withdrawal of the end portions or members 27—28 from the sleeve 29, each of such end members is provided with a  
30 protuberance 30 pressed from one face thereof and extending into a slot 31 formed in the adjacent wall portion of the sleeve 29.

In the construction shown in Fig. 7, the sleeve 29 is not provided with a slot 31, but  
35 a substantially equivalent construction is provided comprising a point or ridge 32 pressed outward from the face of the wall portion of the sleeve 29 working in a groove or ridge 33 extending longitudinally of the  
40 end member.

By making the frame comprising the rails 11—12 and the cross-bars or binders 17—18 adjustable to take care of variations in the size of cabinets, and by making the cross-  
45 bars or riders 24 likewise adjustable so as to work properly with the adjusted frames, I have provided a construction which can be sent out by a manufacturer for application to a cabinet by an unskilled workman, being  
50 readily applicable to either a wooden cabinet or a metal cabinet as may be desired. So far as I am aware, I am the first in the art to provide a filing device capable of use readily with cabinets of varying sizes and  
55 capable of being applied by the user without the exercise of any high degree of mechanical skill, and my claims are to be construed accordingly.

While I have shown my improved filing  
60 device applied to a metal drawer and comprising cross-bar connections between the rails at opposite sides of the drawer, it will be understood that I do not wish to be restricted to that particular construction ex-  
65 cept as hereinafter specifically claimed.

Neither do I wish to be restricted to having the rails located upon the upper edges of the sides of the drawer, except as herein-  
after specifically claimed, as in the case of wooden drawers, for example, grooves might  
70 be formed along the inner surfaces of the sides of the drawer and the rails be secured to the sides along such grooves without the use of the binders comprising the bars or  
75 links 17—18.

What I claim as my invention and desire to secure by Letters Patent, is—

1. In a filing device, the combination of two oppositely-disposed rail members, and adjustable cross-bars connecting said rail  
80 members for holding them in position upon a cabinet.

2. In a filing device, the combination of two rails adapted to rest upon the sides of a cabinet, and adjustable cross-bars connect-  
85 ing the ends of said rails and bearing against the ends of the cabinet for holding the rails in position.

3. In a filing device, the combination of two rails adapted to rest upon the sides of  
90 a cabinet and having portions adapted to extend downward along the inner faces of the sides, and adjustable cross-bars extending between and connecting said rails for holding them snugly in position.  
95

4. In a filing device, the combination of two rails adapted to rest upon the sides of a cabinet, and connections between said rails comprising two members extending in-  
100 wardly from said rails and adjustably connected together for holding said rails in position.

5. In a filing device, the combination of two oppositely-disposed rail members, and a plurality of adjustable cross-bars slidably  
105 mounted at their ends upon said rails.

6. In a filing device, the combination of two oppositely-disposed rail members, and a plurality of cross-bars slidably mounted  
110 at their ends upon said rails, and being adjustable in length to suit the distance at which the rails are mounted from each other.

7. In a filing device, the combination of an adjustable framework adapted to be se-  
115 cured in position upon a cabinet and comprising rails extending along the sides of the cabinet, and a plurality of adjustable cross-bars slidably mounted at their ends upon said rails.

8. In a filing device, the combination of  
120 two oppositely-disposed rail members, and a plurality of cross-bars slidably mounted at their ends upon said rails, each cross-bar comprising an intermediate sleeve and two end portions slidably mounted in said sleeve.  
125

9. In a filing device, the combination of two oppositely-disposed rail members and a plurality of cross-bars slidably mounted at  
130 their ends upon said rails, each of said cross-bars comprising two end members and

means for holding said end members frictionally in adjusted position relative to each other.

10. In a filing device, the combination of  
5 two oppositely-disposed rail members, and a plurality of cross-bars slidably mounted at their ends upon said rails, each cross-bar comprising an intermediate sleeve and two end members slidably mounted in said sleeve  
10 and held frictionally in adjusted position therein.

11. In a filing device, the combination of two oppositely-disposed rail members, and a plurality of cross-bars slidably mounted at  
15 their ends upon said rails, each cross-bar comprising an intermediate sleeve and two

end members slidably mounted in said sleeve, means being provided for preventing the withdrawal of the end members from the sleeve.

12. In a filing device, the combination of  
20 two oppositely-disposed rail members, and a plurality of cross-bars slidably mounted at their ends upon said rails, each cross-bar comprising an intermediate sleeve and two  
25 end members slidably mounted in said sleeve, each of said end members being held against withdrawal from the sleeve by means of a protuberance pressed from one  
30 face of one of the elements engaging a slot in the other element.

CARL A. PALMGREN.