

W. BARR, JR.
ACCOUNT FILE.

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1,005,777.

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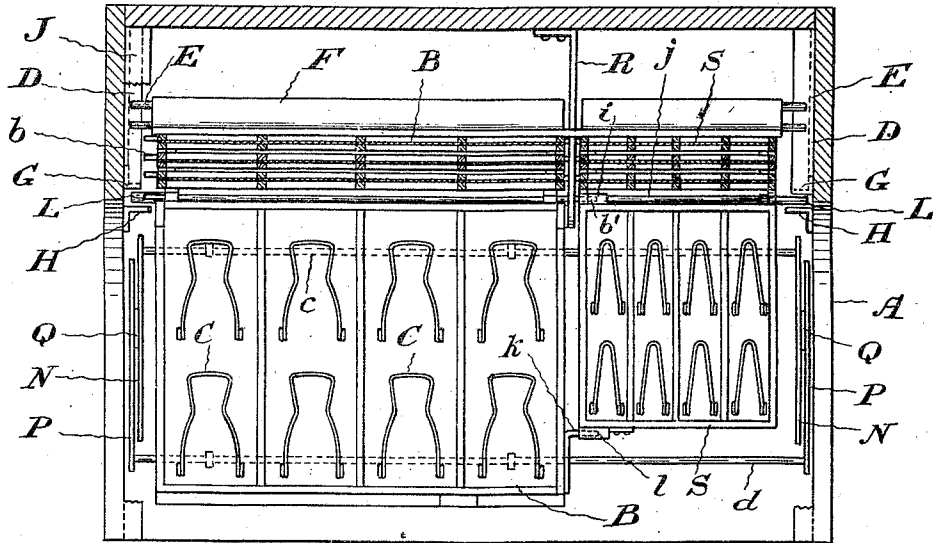


Fig. 1

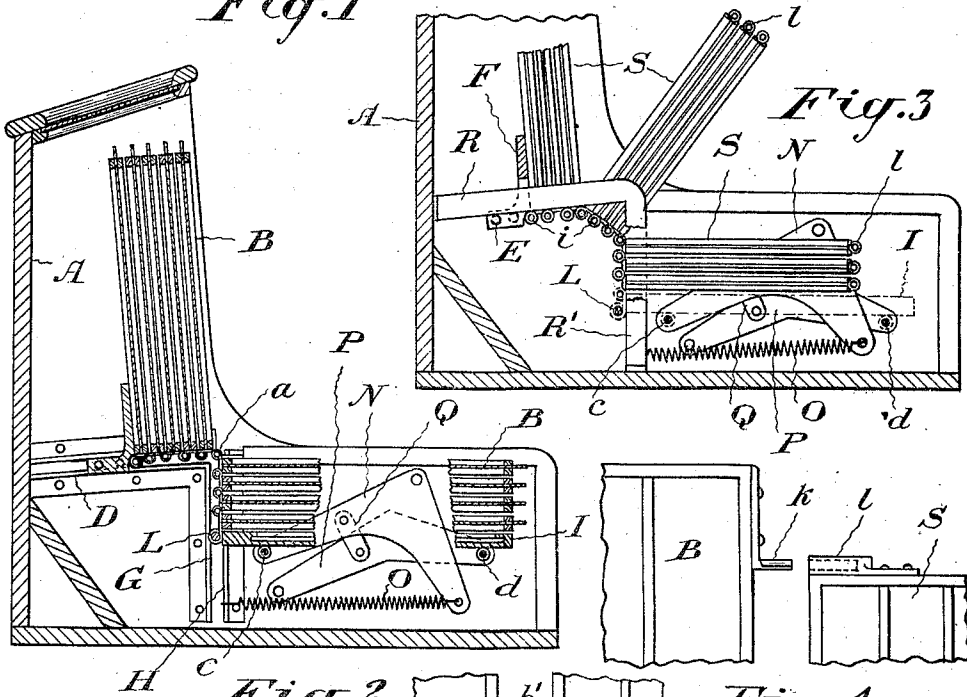


Fig. 2

Fig. 4

Fig. 5

WITNESSES:

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ACCOUNT-FILE.

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To all whom it may concern:

Be it known that I, WILSON BARR, JR., of the city of Hamilton, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Account-Files, of which the following is a specification.

This invention relates to improvements in the account file described in U. S. application No. 512,853, filed August 14th, 1909, and in Canadian reissue application No. 159,100, dated December 24th, 1910. In the file referred to I employed a plurality of account holding leaves pivotally connected at their lower edges whereby one or more of the said leaves might occupy either a substantially vertical or a substantially horizontal position. Means were provided whereby the leaves were suitably supported and guided whether vertical or horizontal. The arrangement has proved entirely satisfactory where the number of accounts does not exceed about 200. Above that number the book of leaves employed becomes a little too bulky to be placed in an ordinary safe. I overcome this difficulty by providing an auxiliary book of smaller leaves hinged together and adapted to be detachably connected to the leaves of the main book so as to form lateral extensions thereof. The leaves of the auxiliary book are used to hold small slips containing the totals of the detailed slips or duplicate checks filed on the larger leaves. This smaller book is readily removed and placed in the safe at night so that a sufficiently complete record of the customers' accounts can be safely kept with little trouble.

The use of the auxiliary book requires certain modifications to be made in the construction of the file substantially as hereinafter more specifically described and then definitely claimed.

Figure 1 is a plan view of my improved account file. Fig. 2 is a vertical section of the same, showing the end guide tracks. Fig. 3 is a similar view of part of the device showing the intermediate guide track. Fig. 4 is a detail showing the upper connection between the auxiliary leaves and the main leaves. Fig. 5 is a detail of the hinge connection between the auxiliary and the main leaves.

In the drawings like letters of reference

indicate corresponding parts in the different figures.

A is the casing preferably of L-shape as shown and B are a series of main account filing leaves which are of ordinary construction and are provided with the account holding clips C. These leaves are pivotally connected at their lower or rearward edges by means of the hinges *a*, so that one or more of the said leaves may occupy either a substantially vertical or a substantially horizontal position. To guide the leaves when vertical I provide the pair of tracks D which though approximately horizontal will usually incline toward the rear to give the leaves a slight rearward inclination. The tracks D are engaged by the projections E which are preferably rollers journaled on the cross bar F. To this cross bar the last leaf B is hinged in the same manner as the leaves are hinged together. The leaves when in their horizontal position are guided by substantially vertical tracks G and H which are located adjacent to the forward ends of the tracks D.

I is a movable table being normally vertically spring pressed as hereinafter described, and provided with projections L preferably rollers which run in the guide way formed by the tracks G and H. Theoretically this table may be considered as the first leaf.

Owing to the fact that auxiliary leaves are to be used connected to and forming extensions of the main leaves the casing A is a good deal wider than the main leaves B, consequently the main leaves are dependent entirely on the cross bar F for their guidance when in a vertical position.

It will be noted that the vertical pressure of the table tends to push up the front vertical leaf. This tendency is restrained by the use of a track J close to and substantially parallel with one of the tracks D. This track is engaged by the projections *b* located at the hinged edge of each intermediate leaf. Projections *b'* are also formed at the opposite edges of the leaves B to the projections *b*. These projections are adapted to engage the under side of the track R substantially parallel to the track J. This track is suitably secured to the back of the casing and is preferably extended downwardly at its front

end to form the track R' substantially parallel to the vertical tracks H. The cross bar F is necessarily provided with an opening for the passage of this track. It will be noted that the tracks J and H extend inwardly closer to the leaves than the tracks D and G.

The projections E and L on the last leaf and the table are longer than the projections *b* on the intermediate leaves, consequently the projections E may engage both tracks D and J and the projections L both tracks G and H, while the projections B engage only the tracks J and R. Consequently when a bunch of leaves is turned from the vertical to the horizontal position or vice versa, as indicated in Fig. 3, the projections *b* will clear the tracks D and G and thus do not interfere with the movement of the leaves. These projections, however, by their engagement with the tracks J and R are effective in preventing upward displacement of the leaves when vertical and by engagement with the tracks H prevent forward displacement of the leaves when horizontal. The projections *b'* it will be noted are of sufficient length to pass under the track R and to engage in sockets *i* formed in the ends of the hinges *j* which connect the auxiliary leaves S. A leaf S is provided for each one of the main leaves B. The edges of the auxiliary leaves remote from the hinges are connected with corresponding main leaves by means of the projecting pins *k* preferably secured to the main leaves and adapted to engage sockets *l* on the auxiliary leaves. These auxiliary leaves, as already stated, are considerably smaller than the main leaves and are adequately supported in the manner described. The disengagement of the leaves as a whole is readily accomplished by slipping them sidewise to disengage the pins or projections *b'* and *k* from their corresponding sockets.

It will be understood, of course, that I do not desire to restrict myself to the precise method of connecting the auxiliary leaves to the main leaves, nor do I desire to restrict myself to the use of these leaves with main leaves guided in the specific manner described, as such an arrangement is applicable for use with main leaves guided in any suitable manner.

While any suitable means may be provided for yieldingly supporting the table I, yet I prefer the mechanism shown. A pair of bent levers N are journaled on the sides of the casing and are connected by the cross bar *c*. A coil spring O connected to one end of this lever and to the casing presses the cross bar up against the under side of the table. A second pair of bent levers P are pivoted on the sides of the casing and are connected by a cross bar *d* engaging the under side of the table I at the opposite end

to the cross bar *c*. These bent levers P are connected with the bent levers N by means of the links Q whereby they move together and impart a similar movement to each of the cross bars *c* and *d*.

The general operation of the device is substantially as in my co-pending U. S. application No. 512,853 and in my Canadian reissue application No. 159,100 and need not here be specifically described.

From the above description it will be seen that I have devised means whereby the main leaves may be always left in the file it being merely necessary for safety to remove this comparatively small sized bunch of auxiliary leaves and place them in the vault or safe.

What I claim as my invention is:

1. In an account file the combination of a plurality of main account holding leaves and auxiliary account holding leaves each detachably connected to and forming an extension of one of the main leaves.
2. In an account file the combination of a plurality of main account holding leaves pivotally connected at corresponding edges to swing upon one another and a corresponding number of auxiliary account holding leaves suitably connected to the main leaves to form extensions thereof and to swing therewith.
3. In an account file the combination of a plurality of account holding leaves pivotally connected at their lower edges whereby one or more of said leaves may occupy either a substantially vertical or a substantially horizontal position; guiding means adapted to restrict the leaves substantially to a backward or forward movement only when they are substantially vertical; guiding means tending to restrict the leaves to a substantially vertical movement only when they are horizontal; a plurality of auxiliary leaves forming extensions of the main leaves; and means for supporting and connecting said auxiliary leaves to move each with one of the main leaves.
4. In an account file the combination of a plurality of main account holding leaves pivotally connected at corresponding edges to swing upon one another; a corresponding number of auxiliary account holding leaves also pivotally connected at corresponding edges; socket and pin connections co-axial with said hinges for connecting the supplemental leaves to the main leaves; and a disengageable connection between each auxiliary leaf and its corresponding main leaf holding them in alinement.
5. In an account file the combination of a plurality of account holding leaves pivotally connected at corresponding edges; a cross bar to which the last leaf is hinged which cross bar extends beyond the leaves at one end; guide tracks for the ends of the said

bar; guide tracks at right angles to the first mentioned tracks; projections movable with the first leaf for engaging said tracks; and restraining means intermediate the ends of the cross bar and substantially parallel to the first mentioned tracks, each leaf being adapted to engage beneath said restraining means. 20

6. In an account file the combination of a plurality of account holding leaves pivotally connected at corresponding edges; a cross bar to which the last leaf is hinged which cross bar extends beyond the leaves at one end; guide tracks for the ends of the said bar; guide tracks at right angles to the first

mentioned tracks; projections movable with the first leaf for engaging said tracks; restraining means intermediate the ends of the cross bar and substantially parallel to the first mentioned tracks, each leaf being adapted to engage beneath said restraining means; and auxiliary leaves adapted to be removably connected with the ends of the main leaves beyond which the aforesaid bar projects.

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Witnesses:

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M. J. JEFFREY.