

Oct. 26, 1948.

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2,452,291

REVOLVING CARD FILE AND POSTING TABLE

Filed May 31, 1946

2 Sheets-Sheet 1

Fig. 1.

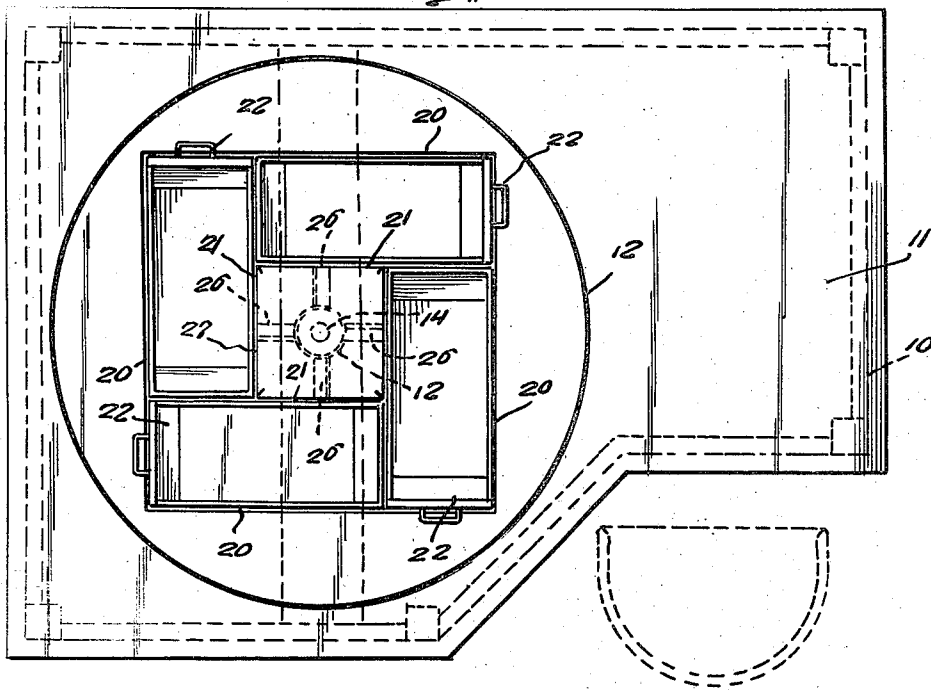
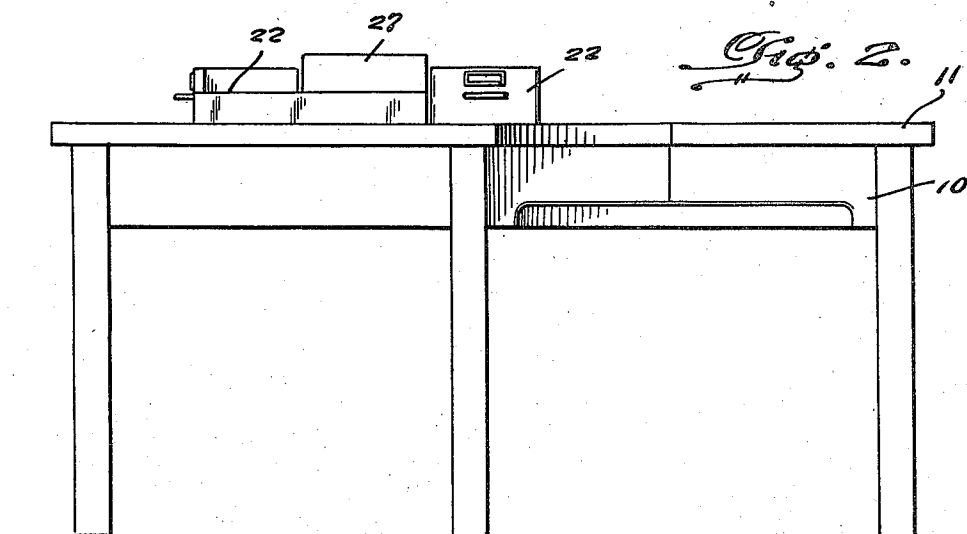


Fig. 2.



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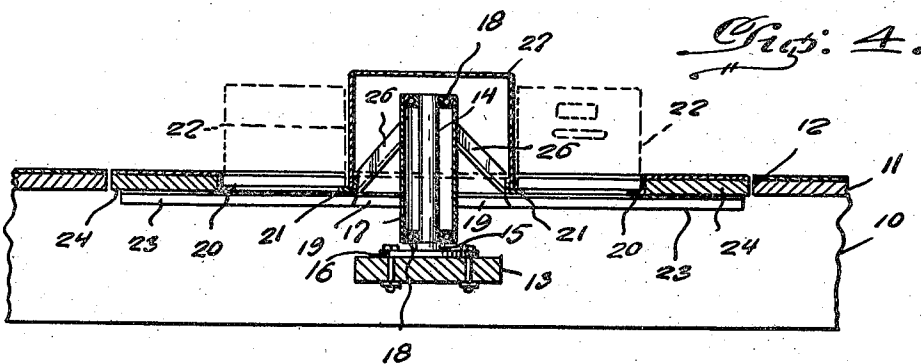
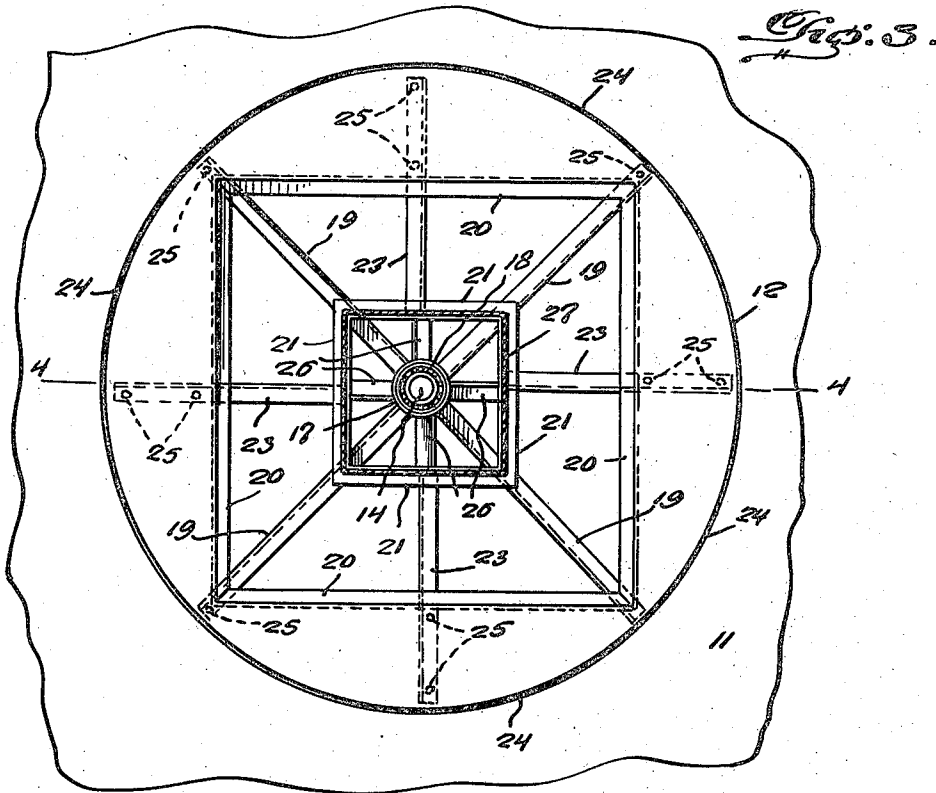
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2 Sheets-Sheet 2



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REVOLVING CARD FILE AND POSTING
TABLE

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4 Claims. (Cl. 311—33)

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My invention relates to office equipment and more particularly to revolving card files and posting tables.

The object of my invention is to provide a revolving card file, which can be operated with very little effort.

Another object of my invention is to provide a revolving card file which is in balance at all times.

A further object of my invention is to provide a revolving card file enabling the operator to post any card in the file without having to change his position.

A still further object of my invention is to provide a revolving card file enabling a second person to have access to the cards in the files from three sides of the table, with which the file is connected, without interfering with the work of the file operator.

Other objects of my invention may appear in the following specification describing my invention with reference to the accompanying drawings illustrating a preferred embodiment of my invention.

It is, however, to be understood that my invention is not to be limited or restricted to the exact construction and combination of parts described in the specification and shown in the drawings but that such changes and modifications can be made, which fall within the scope of the claims appended hereto.

In the drawings

Fig. 1 is a top plan view of a posting table equipped with a revolving file according to my invention, the seat for a file operator being indicated in broken lines.

Fig. 2 is a front elevation of a posting table equipped with a revolving file forming the subject matter of my invention.

Fig. 3 is a top plan view of the frame work of the revolving disk in the posting table, the cover for the hub and center portion of this frame work being shown in section, and

Fig. 4 is a sectional view taken on line 4—4 in Fig. 3.

Referring now in detail to the drawings, a posting table 10 is provided in its top 11 adjacent one of its ends with a circular cut-out 12.

A support member 13 is fastened in any preferred conventional manner to the frame of the posting table 10 and extends diametrically underneath the circular cut-out 12.

An axle 14 has on its lower end a small circumferential flange 15 and underneath this flange a base flange 16, which is bolted to the support

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member 13 so that the axle 14 extends upwardly, concentrically with the circular cut-out 12.

A hollow cylindrical steel hub 17 has a thrust ball bearing 18 in each of its ends and is mounted rotatably on the axle 14.

Four angle irons or arms 19 are rigidly connected with the hub 17, preferably by welding, so that they extend radially therefrom at right angles to each other. The length of these angle irons 19 is such that they will not reach entirely to the edge of the circular cut-out 12 in the table top 11, when they are attached to the hub 17 and the hub is in position on the axle 14. The four angle irons 19 are arranged on the hub 17, so that one of the legs of each angle iron extends horizontally and the other one downwardly and that the upper surfaces of the horizontally positioned legs are located in the same plane as the lower surface of the table top 11.

Another set of four angle irons 20 is firmly connected to the first mentioned angle irons 19 by being welded on top of these angle irons, so that the angle irons 20 form a square, and the angle irons 19 extend diagonally to this square, as clearly shown in Fig. 3. The upwardly extending legs of the angle irons 20 are located on the outside edge of the square.

A second square is formed by four shorter angle irons 21, which are also welded onto the horizontally arranged legs of the diagonal angle irons 19, so that the shorter angle irons 21 extend parallel to the angle irons 20 forming the outer square and that the upwardly extending legs of these shorter angle irons 21 are located at the inner edge of the inner square. The horizontally arranged legs of each pair of angles extending parallel to each other are adapted to support a drawer 22 of a filing cabinet as indicated in broken lines in Fig. 4.

Onto the under side of each parallel pair of angle irons 20 and 21 an angle iron 23 is welded so that the downwardly extending leg of each of these four angles extends radially to the hub 17 and at right angles to the two angle irons to which it is attached. The inner end of each angle iron 23 is arranged flush with vertical leg of the adjacent shorter angle iron 21 and the outer end of said iron is located approximately at the same distance from the axis of the hub 17 as the outer end of the diagonal angle irons 19.

The portions of the horizontally arranged legs of the angle irons 19 and 23, which extend beyond the outer square angle irons 20 support sections 24 of plywood or other suitable material, abutting the upwardly extending legs of the outer square

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angle irons 20 and snugly fitting onto each other. On the outer edge each section 24 is arcuate so that the four sections together have a circular shape of a somewhat smaller radius than the circular cutout 12. The upper surface of the turn-table formed by these sectors 24 is located in the same plane as the upper surface of the table top 11. The latter and the turn table is preferably covered with a layer of Masonite or the like.

The plywood sectors 24 are fastened onto the horizontally arranged legs of the diagonal angle irons 19 and of the radial angle irons 23 respectively by flat head screws 25 or the like.

To reinforce the hub 17 four braces 26 are formed by angle irons extending upwardly and inwardly from the back of the inner square angles 21 to the hub 17 as shown in Fig. 4.

A square box-shaped cover 27 rests on the inner square and protects the hub and center portion of the turn table frame.

The above description shows clearly that the revolving card file according to my invention will be in balance at all times and can be rotated with very little effort since the entire construction is supported by two thrust ball bearings. The turn table accommodates four drawers of a filing case, and each card in any one of these four cases is easily accessible by the operator, without forcing him to change his position.

It is, furthermore, to be understood, that a second turn-table of the same construction can be installed on the posting table, if so desired, to double the capacity of said table.

Having described my invention, I claim as new and desire to secure by Letters Patent:

1. The combination of a posting table having a circular cut-out in its top and a turn-table rotatably arranged in the cut out, a support member fastened to the table frame and extending diametrically to and underneath the circular cut-out, an upwardly extending axle rigidly mounted on and supported by the support member and arranged concentrically with the cut-out, and a frame rotatably supported by the axle and supporting the turn table, said frame comprising a hollow cylindrical hub rotatably supported by the axle, four angle irons rigidly connected with the hub and extending radially therefrom and arranged at right angles to each other, one leg of each angle iron extending downwardly, and the top surfaces of the other legs being located in the same plane with the underside of the table top, an outer square consisting of four angle irons firmly mounted on the first mentioned angle irons so that the latter extend diagonally to the outer square and somewhat beyond the corners of the square and an inner square formed by four angle irons firmly attached to the diagonal angle irons and arranged parallel to the angle irons of the outer square, the angle irons of the two squares being positioned so that one leg of each angle extends upwardly and that the other legs of each pair of parallel angle irons extend toward each other and are adapted to support a drawer of a filing cabinet, the upper edges of the upwardly extending legs of the angles of the two squares being located at the same level as the upper surface of the table top.

2. The combination of a posting table having a circular cut-out in its top and a turn-table rotatably arranged in the cut out, a support member fastened to the table frame and extending diametrically to and underneath the circular cut-out, an upwardly extending axle rigidly mounted

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on and supported by the support member and arranged concentrically with the cut-out, and a frame rotatably supported by the axle and supporting the turn table, said frame comprising a hollow cylindrical hub rotatably supported by the axle, four angle irons rigidly connected with the hub and extending radially therefrom and arranged at right angles to each other, one leg of each angle iron extending downwardly, and the top surfaces of the other legs being located in the same plane with the underside of the table top, an outer square consisting of four angle irons firmly mounted on the first mentioned angle irons so that the latter extend diagonally to the outer square and somewhat beyond the corners of the square and an inner square formed by four angle irons firmly attached to the diagonal angle irons and arranged parallel to the angle irons of the outer square, the angle irons of the two squares being positioned so that one leg of each angle extends upwardly and that the other legs of each pair of parallel angle irons extend toward each other and are adapted to support a drawer of a filing cabinet, the upper edges of the upwardly extending legs of the angles of the two squares being located at the same level as the upper surface of the table top, radial angle iron fastened to the under side of each angle iron of a pair of parallel angle irons, extending at right angles to the two angle irons to which it is attached and radially of the hub, and four arcuate sector plates fastened to and supported by the radial angle irons and the portions of the diagonal angle irons extending beyond the outer square, the assembled sectors having a circular outline of a radius somewhat smaller than the radius of the cut-out, the inner edge of each sector abutting the upwardly extending leg of the adjacent angle iron of the outer square and fitting snugly onto the abutting sectors, and the upper surface of the sectors being located at the same level with the upper surface of the table top.

3. The combination of a posting table having a circular cut-out in its top and a turn-table rotatably arranged in the cut out, a support member fastened to the table frame and extending diametrically to and underneath the circular cut-out, an upwardly extending axle rigidly mounted on and supported by the support member and arranged concentrically with the cut-out, and a frame rotatably supported by the axle and supporting the turn table, said frame comprising a hollow cylindrical hub rotatably supported by the axle, four angle irons rigidly connected with the hub and extending radially therefrom and arranged at right angles to each other, one leg of each angle iron extending downwardly, and the top surfaces of the other legs being located in the same plane with the underside of the table top, an outer square consisting of four angle irons firmly mounted on the first mentioned angle irons so that the latter extend diagonally to the outer square and somewhat beyond the corners of the square and an inner square formed by four angle irons firmly attached to the diagonal angle irons and arranged parallel to the angle irons of the outer square, the angle irons of the two squares being positioned so that one leg of each angle extends upwardly and that the other legs of each pair of parallel angle irons extend toward each other and are adapted to support a drawer of a filing cabinet, the upper edges of the upwardly extending legs of the angles of the two squares being located at the same level as the upper surface of the table top, and a brace between each

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of the angle irons of the inner square and the hub formed by an angle iron extending upwardly and inwardly from the angle of the inner square to the hub.

4. The combination of a posting table having a circular cut-out in its top and a turn-table rotatably arranged in the cut-out, a support member underneath said cut-out and carried by said table, an upwardly extending axle rigidly mounted on and supported by the support member and arranged concentrically with the cut-out, a frame rotatably supported by the axle and supporting the turn-table, said frame comprising a hollow cylindrical hub rotatably supported by the axle, a plurality of arms extending radially from said hub and arranged at right angles to each other, an outer square super-imposed upon said arms and carried by the latter, an inner square interposed between said hub and said outer square and carried by said arms, and a cover enclosing said

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hub and supported by said inner square, the spacing between the inner and outer squares providing rests for the support of a drawer of a filing cabinet thereon.

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