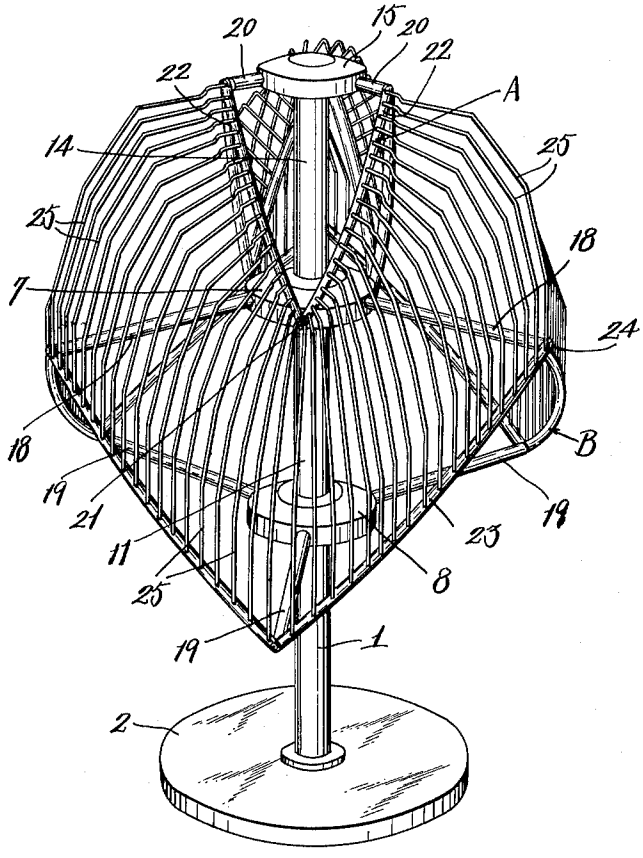
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FILING RACK FOR CARD AND THE LIKE

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FIG. 1.



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FIG. 2.

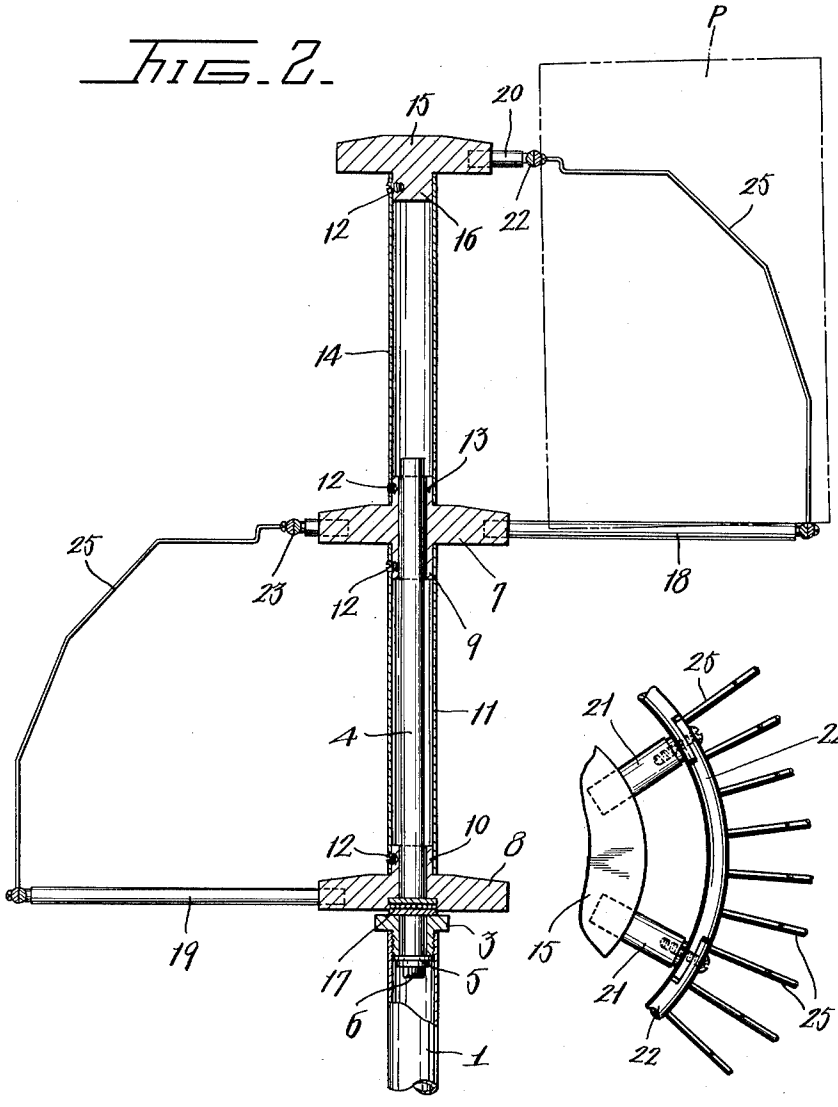


FIG. 3.

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3,144,941

FILING RACK FOR CARD AND THE LIKE

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4 Claims. (Cl. 211—10)

The present invention relates to a novel and improved filing rack for office work cards and the like, and more particularly to a rotary card filing rack which is simple in the construction and by which the filing of office work cards and the like can be performed with a great efficiency.

Cards have been widely employed in handling office work in order to rationalize such work and the employment of such cards has improved office work to substantial extent.

Accordingly, one object of the present invention is to further improve the handling efficiency of such cards employed for dealing with business in offices.

Another object of the present invention is to provide an improved office work card filing rack which can fulfil the above object.

Another object of the present invention is to greatly improve the operative efficiency of such office work card filing rack by constructing the filing rack in such a way that the same may rotate and accommodate office work cards individually and uprightly.

In order to facilitate understanding of the present invention, reference will now be made to the appended drawings of a preferred specific embodiment of the present invention. Such drawings should not be construed as limiting the invention which is properly set forth in the appended claims.

In the drawings:

FIG. 1 is a perspective view of the office work card filing rack of the present invention.

FIG. 2 is a vertically sectional view of the essential elements of said filing rack.

FIG. 3 is a fragmentary top plan view of said filing rack.

With reference to the drawings: The office work card filing rack generally comprises a hollow support shaft 1 upwardly and vertically extending from a base 2 and fixedly secured thereto.

A T-shape section fixture 3 (FIG. 2) is threaded into the inner threaded upper end portion of said support shaft 1. The threaded lower end of a main shaft 4 extends through the fixture 3 into the upper end of the hollow support shaft 1 and is secured therein by means of a lock nut 5 with a washer interposed therebetween. Spaced intermediate and lowest rotary members 7 and 8 are loosely mounted around the main shaft 4 in the longitudinal direction thereof, and the intermediate rotary member 7 is provided with a downwardly projecting hub portion 9 whilst the lowest rotary member 8 is provided with an upwardly projecting hub portion 10. A pipe 11, whose inner and outer diameters correspond to those of the hollow support shaft 1, is put on the downwardly and upwardly projecting hub portions 9 and 10 respectively and fixedly retained there by means of screws 12. The intermediate rotary member 7 is further provided with an upwardly projecting hub portion 13 and a pipe 14 similar to the pipe 11 is put on said hub portion 13 at the lower end of said pipe 14. The upper end of said pipe 14 is adapted to receive the downwardly projecting hub portion 16 of a top rotary member 15 and to be fixedly secured to said hub portion 16 by means of one set screw 12. The lowest rotary member 8 is supported through a thrust washer 17 by the T-shape section fixture 3. The outer diameters of the three rotary members 7, 8 and 15 are selected so that the top rotary member 15 has the smallest outer diameter, the intermediate rotary member 7 has an outer diameter somewhat larger than that of the top member 15, and the lowest rotary member has an outer diameter larger than that of any of the respective two upper rotary members.

Each of the intermediate and lowest rotary members 7 and 8 is provided with three long arm bars 18 and 19 radially extending in the respective horizontal directions. The respective upper arm bars 18 are disposed offset from the respective lower arm bars 19 in such a manner that each arm bar 19 of the lowest rotary member 8 is disposed just in the middle point between the respective two adjacent arm bars 18 of the intermediate rotary member 7 and vice versa. The top rotary member 15 and intermediate rotary member 7 are respectively provided with three short bars 20 and 21 extending in the respective horizontal directions. The respective short bars 20 and 21 are also disposed offset from each other in the same manner as described in connection with the long arm bars 18 and 19.

An outwardly arched bar 22 connects between the adjacent two short bars 20 and 21 and a similarly outwardly arched bar 23 connects between the adjacent two long arm bars 18 and 19. The arrangement of such connecting bars 22 and 23 is such that the opposite ends of each arched bar 22 are superimposed on the respective outer ends of the short bars 20 and 21 and secured thereto by means of set screws 24 and 24 and the opposite ends of each arched bar 23 are also superimposed on the respective outer ends of the long arm bars 18 and 19 and secured thereto by means of set screws 24 and 24 whereby to form three each sets of V-shape frame members A and B, the former frame member A being smaller than the latter frame member B.

As seen from FIG. 2, each of the frame members A and B is secured a plurality of multi-angled card backing bars 25 thereto by means of welding at a predetermined space so that all of the various backing bars 25 may be disposed in a step-like inclined plane, but not in the same horizon.

With the above construction of the card filing rack by the present invention, when folio office work cards P, or thin books or magazines are inserted between each two adjacent backing bars 25, the vertical inner edge of the cards P leans against the frame member A and the bottom edge of the cards lies upon the frame member B thereby the cards may be accommodated with stability. And furthermore, when a plurality of office work cards P are inserted between the respective two backing bars 25, since the upper end portion of each card may be exposedly disposed, if any indexing indication is provided on the upper end portion thereof, the cards can be easily identified and picked up whenever particular cards are used, and the insertion of the cards into their proper spaces between the backing bars can be also facilitated. Furthermore, since the card supporting frame members are free to rotate, the user is easily accessible to necessary cards without moving about.

It will be understood that the foregoing description in connection with a specific embodiment is only illustrative of the present invention and it is not intended that the invention be limited thereto. All substitutions, alterations and modifications of the present invention which come within the scope of the following claims or to which the present invention is readily susceptible without departing from the spirit and scope of this disclosure are considered parts of the present invention.

What is claimed is:

1. A card filing rack, comprising a vertical hollow support shaft adapted to be secured to a base or floor; at

least three rotary members mounted on said hollow support shaft in a vertically spaced relation to one another, along the length of said support shaft, the top rotary member being provided with three short bars radially and horizontally extending therefrom, the intermediate rotary member being provided with three long arm bars and three short bars radially and horizontally extending therefrom, and the lowest rotary member being provided with three long arm bars radially and horizontally extending therefrom the short bars of the top and intermediate rotary members being connected by outwardly arched bars which are connected to each other to form upper V-shaped frame members, the long bars of the intermediate and lowest rotary members being connected by outwardly arched bars which are connected to each other to form lower V-shaped frame members, a plurality of spaced card backing bars each having one end thereof connected to said upper frame member and the other end thereof connected to said lower frame member.

2. A card filing rack as set forth in claim 1, in which each of said upper V-shape frame members is smaller than each of said V-shape lower frame members.

3. A card filing rack as set forth in claim 1, in which said three rotary members have different outer diameters from one another.

4. A card filing rack as set forth in claim 1, in which the top rotary member has the smallest diameter, the intermediate rotary member has an outer diameter larger than that of said top rotary member, and the lowest rotary member has an outer diameter larger than those of the other two upper rotary members.

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