Nov. 12, 1929. R. EVANS 1,735,741

CABINET

Filed Feb. 1, 1928

Fig. 1.

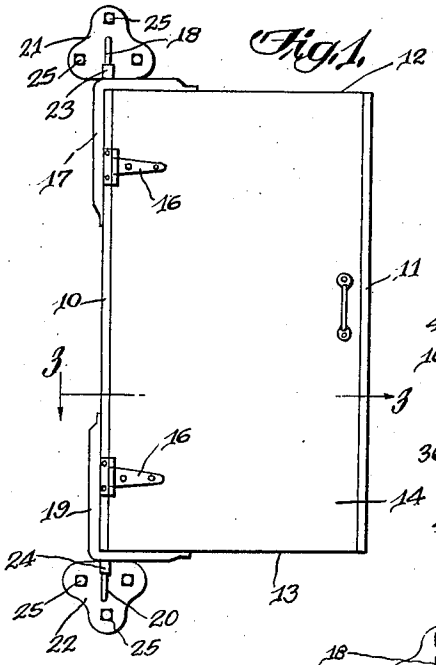


Fig. 3.

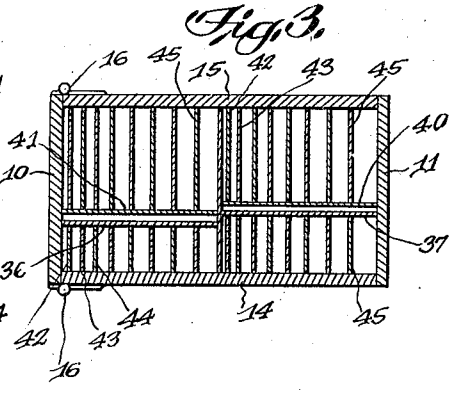
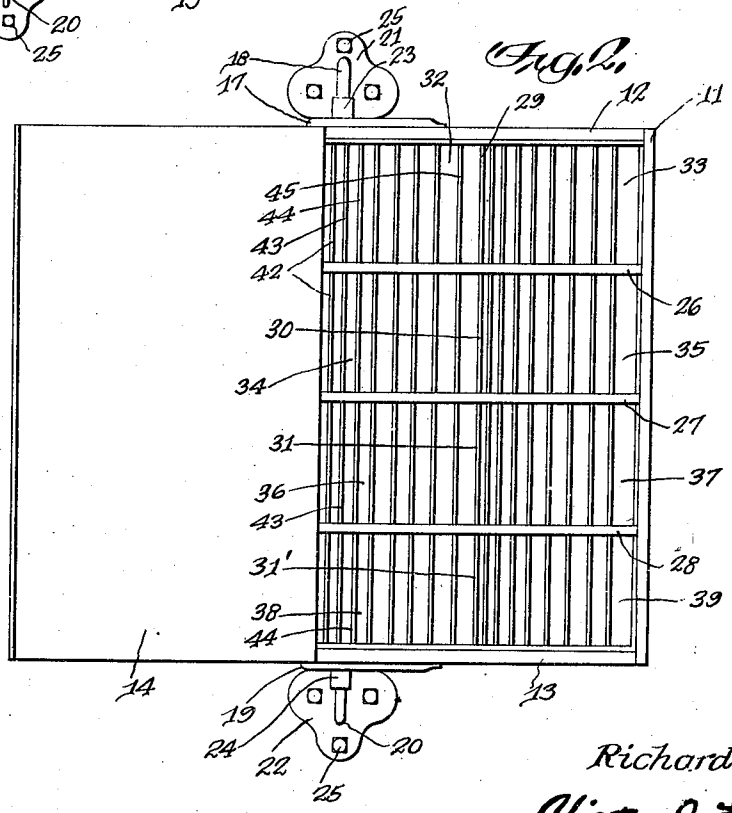


Fig. 2.



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CABINET

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This invention relates to certain novel improvements in cabinets wherein a plurality of compartments are provided and consists in arranging the compartments such that an enlarged systematic filing system may be provided.

The salient object of my invention is to provide a cabinet in which a plurality of compartments is provided which are arranged in such a way that elements of certain definite sizes may be arranged for expeditious selection.

This invention is particularly adapted for use in storing wooden blocks such as those to which so-called rubber stamps are attached. These blocks are supplied in suitably graduated widths and they are also provided in suitably graduated lengths. My invention consists in providing a cabinet such that blocks of the same length but of different widths may be contained in a provided compartment in the cabinet while blocks of the same width variation but of different lengths may be contained in other provided compartments, and I so arrange this cabinet that it may be mounted at a point requiring very little space and therefore since the blocks are so systematically stored they may be expeditiously selected.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing, showing the preferred form of construction and in which;

Fig. 1 is a front elevational view of a preferred embodiment of my invention with the door thereof in closed position;

Fig. 2 is a view similar to Fig. 1, the door having been opened; and

Fig. 3 is a sectional detail view taken substantially in the plane of the line 3—3 on Fig. 1.

In carrying out the preferred form of my construction, I provide a rectangular box embodying end walls 10 and 11 and top and bottom walls 12 and 13. Preferably the end walls 10 and 11 are of greater width than the top and bottom walls 12 and 13 in order that the front and rear covers 14 and 15 may be fitted in between the end walls 10 and 11, as best shown in Fig. 3. Suitable hinge structures 16 are secured to the end wall 10 and the covers 14 and 15 in the manner best shown in Figs. 1 and 3, and suitable locking devices, not shown, are provided on the covers 14 and 15 adjacent the end wall 11 in order that said covers may be retained in closed position.

An angle bracket 17 is secured to the top wall 12 and the end wall 10 in the manner best shown in Fig. 1, and a pintle 18 is provided on this angle bracket. An angle bracket 19 is secured to the bottom wall 13 and the end wall 10, and a pintle 20 is provided thereon. Suitable brackets 21 and 22 are provided which have bearings 23 and 24 thereon. The pintle 18 is adapted to be mounted in the bearing 23 and the pintle 20 is adapted to be mounted in the bearing 24. The brackets 21 and 22 are adapted to be secured to a wall or other similar support by suitable securing elements such as the screws 25. This structure is such that the cabinet may be swung into either a position as shown in Fig. 1, wherein the door 15 is juxtaposed the wall, or it may be swung about so that door 14 is in engagement with the wall, or it may be stopped at any desired point between these two positions.

In the cabinet a plurality of horizontally disposed shelves are provided which are of a width equal to the top and bottom walls 12 and 13. The shelf 26 is spaced away from the top wall and the shelf 27 is spaced away from the shelf 26 and the shelf 25 is spaced away from the shelf 27 of the bottom wall 13. Preferably the spaces between the various shelves and the top and bottom walls are equal although this is not necessary.

As stated, the horizontally disposed partitions 26, 27, and 28 are of a width equal to the top and bottom walls 12 and 13. Also as has been stated, the articles to be retained between the shelves are adapted to be of different length. It is desirable that the various blocks of various lengths be so arranged in the cabinet that the edges thereof will be in

alignment with the shelf on which they are mounted and it is also desirable in order to facilitate the stacking thereof that the other ends thereof abut a vertically disposed partition that will be disposed between the horizontally disposed shelves. In order to divide the cabinet into a plurality of compartments, vertically disposed partitions 29, 30, 31, and 31′ are provided which are mounted midway between the end walls 10 and 11.

The partition 29 is disposed between the top wall 12 and the shelf 26. The first size of blocks are adapted to be mounted in the portion of the compartment defined by the partition 29, shelf 26, end wall 10 and top wall 12. A vertically extending part is then disposed parallel with the door 14 and is spaced away from the edge of the shelf 28 that is adapted to engage the door 14 a distance equal to the length of this first size of blocks. This partition is indicated by 32 in the drawings.

In the compartment defined by the partition 29, shelf 26, end wall 11 and top wall 12, the next length in blocks are adapted to be mounted and a partition 33 is disposed parallel to the partition 32 but is spaced back farther from the edge of the shelf 26 an amount equal to the length of the block to be contained therein.

In the compartment defined by the partition 30, shelf 27, end wall 10 and shelf 26, the next length of blocks are adapted to be mounted and a partition 34 is provided against which the blocks in this compartment are adapted to abut and this partition 34 is spaced back farther than the partition 33 an amount equal to the difference between the lengths of the blocks that are adapted to abut the partitions 33 and 34. This construction is carried out throughout the remaining portions of the cabinet and the partitions 35, 36, 37, 38 and 39 are suitably mounted in the manner that has been described.

It is apparent that the portion of the cabinet to which the door 15 affords access also contains a plurality of compartments which are of varying depths as defined by the vertically extending partitions 32 to 39 inclusive at this stage of the construction and the shallowest compartment on this side will be defined by the partition 39 and the deepest will be that defined by the partition 32. The cabinet is made of a pre-determined depth and partitions are disposed inwardly from the edges of the shelves, disposed toward the door 15, a distance dependent upon the length of the blocks to be mounted therein and thus a space is formed between these partitions and the partitions 32 to 39, inclusive. The shortest block on the side closed by the door 14 will be opposite the longest block on the side closed by the door 14. By referring to Fig. 3 which is a cross-sectional view through this structure, the arrangement of the partitions 36 and 37 is shown. This also shows how the partitions 40 and 41 on the side closed by the door 15 are adapted to be arranged. The foregoing structure takes care of blocks of different lengths.

In each of the spaces defined by the partitions against which the ends of the blocks are adapted to abut, a plurality of vertically extending partitions are provided which are adapted to extend at right angles to the just described partitions 32 to 39, inclusive, and 40 and 41. By referring to Fig. 3, it may be seen that in the compartment defined by the partition 29, shelf 26 and wall 10, top wall 12 and partition 32, a partition 42 is provided which is spaced away from the end wall 10 an amount equal to the width of the first block. Then a partition 43 is spaced away from a partition 42 an amount equal to the width of the second block and the partition 44 is spaced away from the partition 43 an amount equal to the width of the third block and this construction is carried on throughout the device for the required number of times, and the partition 45 which is the last defines a space between the partition 29 and itself which is equal to the width of the widest block. This structure is carried out in each of the compartments in order to accommodate the various widths of blocks of each length.

While I have herein used the term blocks as being the determining factor for determining the size of the various compartments, it is to be distinctly understood that this invention is not limited to such usage for any kind or type of article of graduated sizes might be retained in the device. Further, it is not necessary that the partitions 42, 43, etc., be arranged equally in all of the compartments as will be apparent to anyone skilled in the art.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification, without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

Having thus described my invention what I claim as new and desire to protect by Letters Patent is:

A cabinet comprising a frame member having shelf members extending thereacross in spaced apart relation parallel to the ends thereof, partitions extending between said shelf members and said end members in parallel relation with the sides of the frame and disposed substantially midway between said sides to divide the area defined by said frame into a plurality of compartments, door members hingedly connected to said frame

to close access to said compartments, wall members disposed in said compartments parallel to said door members, said wall members being spaced from said door member in a manner such that the wall member in one of said compartments will be disposed relatively close to said door member and such that successive wall members will be spaced from said door member in greater amounts in a successive manner, said wall members being disposed such that the distance between said door member and said wall members on one side of said device will be less than the distance between said other door member and other wall members on the other side of said device, the wall member arranged farthest from said last named door member being disposed in co-operative relation with the wall member closest to said first named door member, and partitions extending between said shelf members and said end members parallel to the sides of said frame and said first named partitions to divide said compartments into a plurality of spaces.

In testimony whereof I affix my signature.

RICHARD EVANS.