April 3, 1928. 1,664,753

H. H. LANGENFELD

CARTON RACK

Filed May 9, 1927

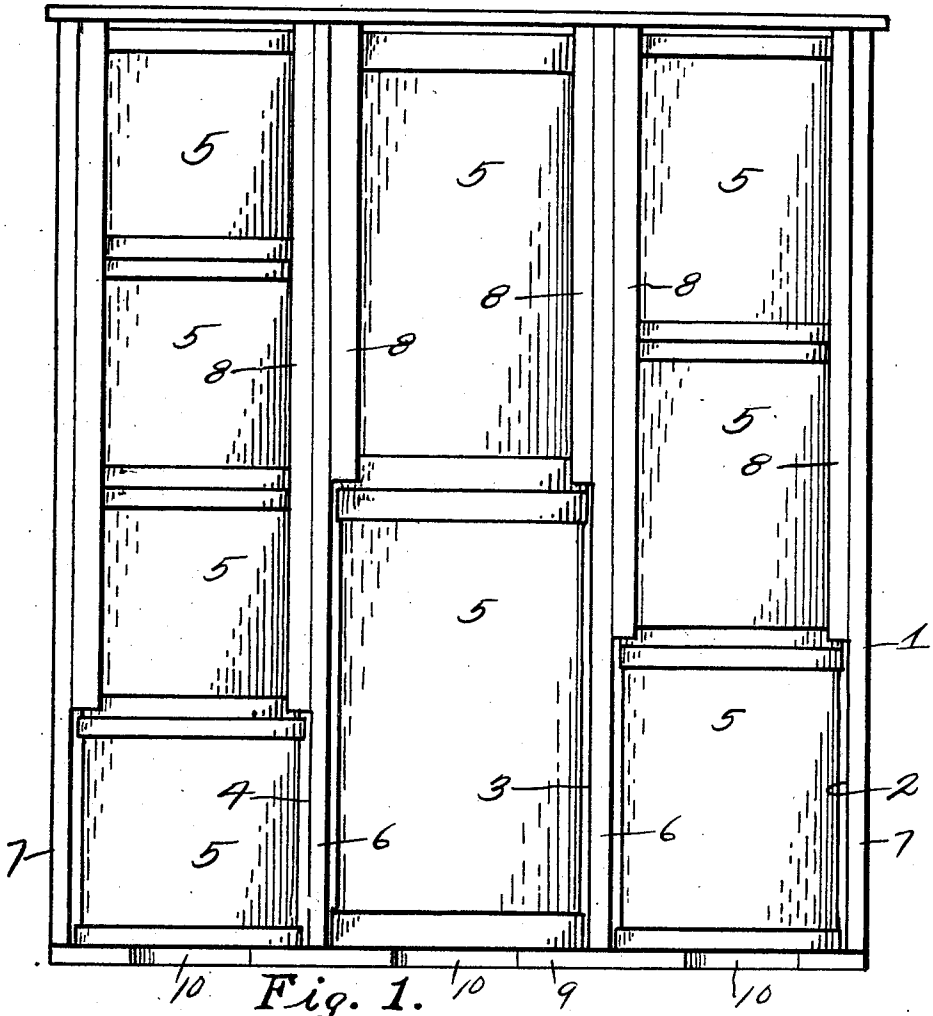


Fig. 1.

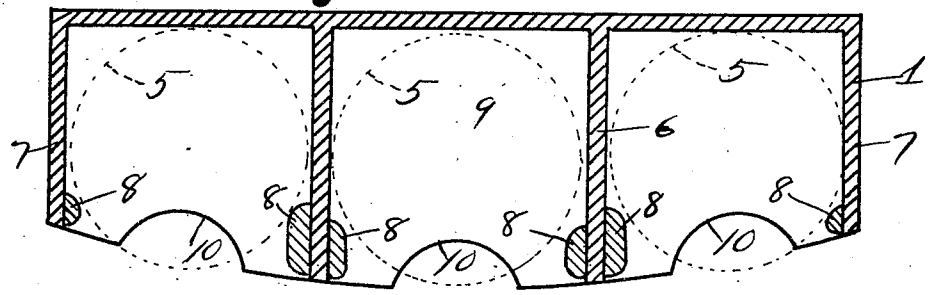


Fig. 2.

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UNITED STATES PATENT OFFICE.

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CARTON RACK.

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The invention relates to carton racks, and has for its object to provide a device of this character adapted to be disposed above ice cream tanks or containers in confectionery stores, and in which a plurality of superimposed cartons of varying sizes may be placed and held in a position whereby the lower carton may be removed from the rack as desired, thereby allowing the next superimposed carton to move downwardly to a position where it can be easily grasped when needed.

A further object is to provide a carton rack having a vertically disposed opening therein, the opposite sides of said opening with flanges overlying opposite sides of the carton and to provide the lower ends of said flanges with cutaway portions of substantially the height of the lower carton, thereby allowing the lower carton to be removed from the rack and the other carton to drop downwardly.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:

Figure 1 is a front elevation of the carton rack.

Figure 2 is a horizontal sectional view through the carton rack.

Referring to the drawing, the numeral 1 designates the carton rack, which rack is provided with vertically disposed chambers 2, 3, and 4 of different widths for the reception of different sizes of superimposed cartons 5; otherwise the rack compartments are similarly constructed. The rack 1 is provided with vertically disposed partitions 6 which form the compartments 2, 3 and 4 and the partitions 6, as well as the side walls 7, are provided with vertically disposed strips 8 which restrict the forward sides of the compartments and as the cartons 5 are of greater diameter than the width between the strips 8, it will be seen that said strips will prevent the cartons from moving outwardly and will maintain said cartons in superimposed relation. The strips 8 terminate at points spaced from the lower ends of the partitions and end walls 7 at a distance equal to or greater than the height of the various cartons, therefore it will be seen that when the operator grasps the lower cartons and moves the same outwardly for use, the other superimposed cartons will drop downwardly, but will be maintained within the compartments by the strips 8, consequently the cartons will be maintained in position for use at all times. Although a limited number of superimposed cartons are shown, it is to be understood the rack may be made any height desired, and applicant does not limit himself in this respect. The forward side of the bottom 9 of the rack is preferably provided with recesses 10, which recesses allow the operator to easily grasp the lower carton and remove the same from the rack.

From the above it will be seen that a carton rack is provided which is particularly adapted for use in confectionery and soda-water fountains where ice cream is vended in varying quantities and placed in cartons. It will also be seen that the rack is simple in construction and danger of the cartons being knocked over as is the present difficulty is obviated.

The invention having been set forth what is claimed as new and useful is:—

A carton rack comprising a casing having a back wall, side walls, vertically disposed spaced partitions in said casing and in combination with each other and with the side walls forming vertically disposed compartments for the reception of cartons, vertically disposed strips carried by the inner sides of the side walls and the opposite sides of the partition adjacent their outer edges, said strips terminating spaced from the lower ends of the compartments a distance equal to or greater than the height of the carton.

In testimony whereof I hereunto affix my signature.

HERMAN H. LANGENFELD.