Nov. 22, 1927. 1,650,262

F. CARLTON

KNOCK-DOWN CONTAINER

Filed May 16, 1925 2 Sheets-Sheet 1

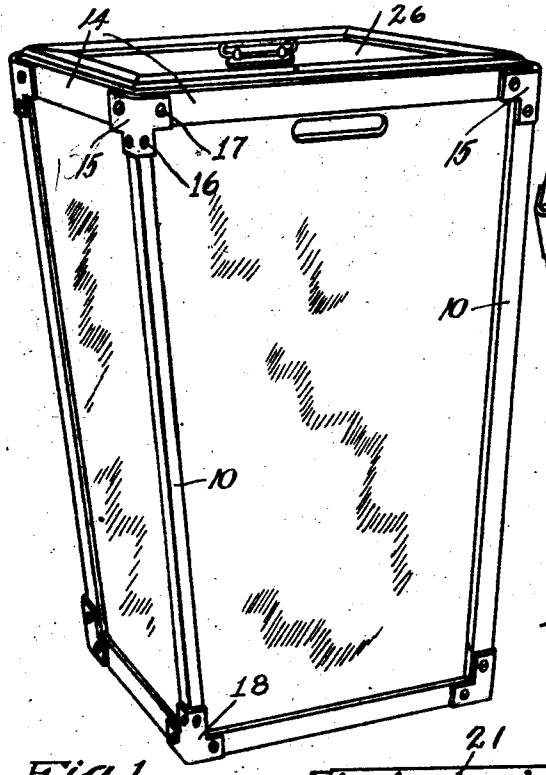


Fig. 1.

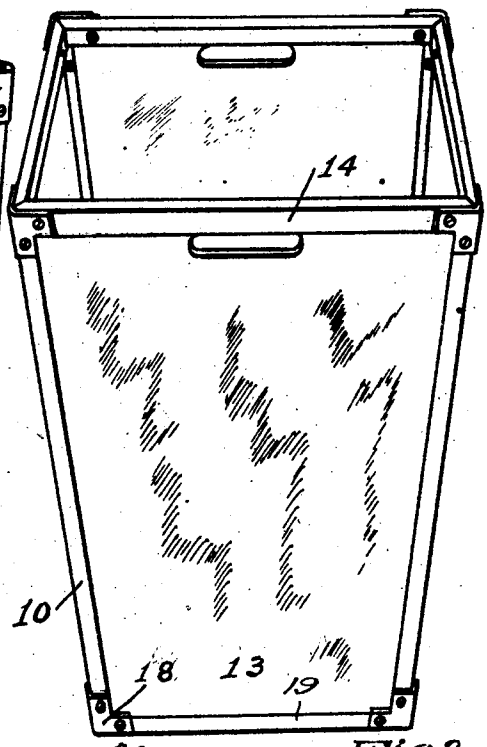


Fig. 2.

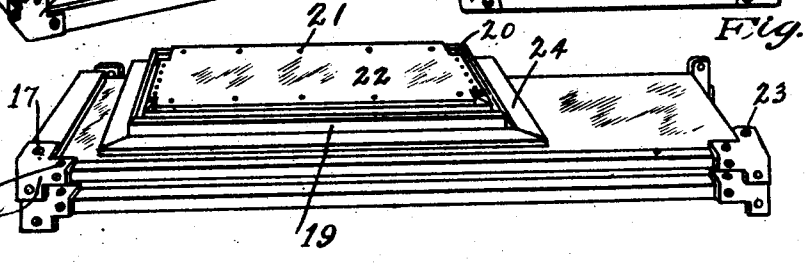


Fig. 3.

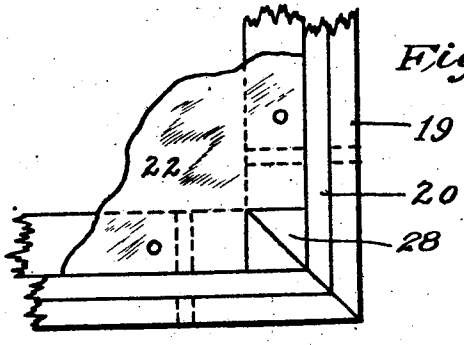


Fig. 9.

INVENTOR.
Fred Carlton
BY Cliff and Cliff,
ATTORNEYS.

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F. CARLTON

KNOCK-DOWN CONTAINER

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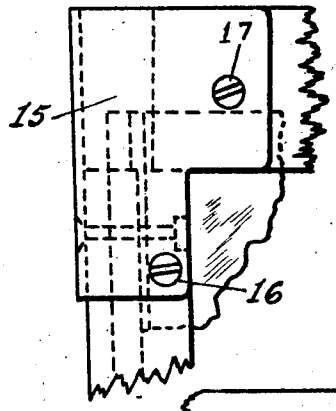


Fig. 4.

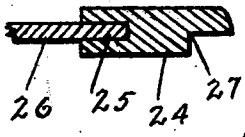


Fig. 7.

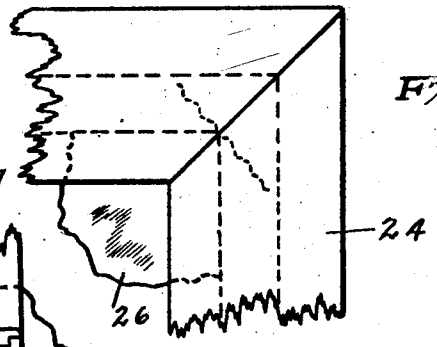


Fig. 6.

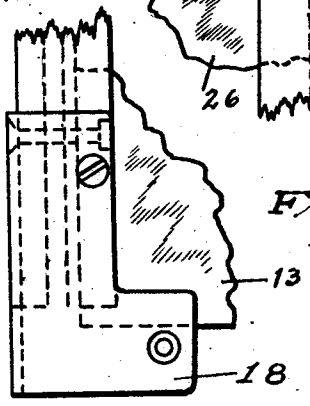


Fig. 5.

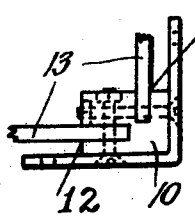


Fig. 8.

INVENTOR.
Fred Carlton
BY Dyer and Duff
ATTORNEYS.

Patented Nov. 22, 1927. 1,650,262

UNITED STATES PATENT OFFICE.

FRED CARLTON, OF BLOOMINGTON, ILLINOIS.

KNOCKDOWN CONTAINER.

Application filed May 16, 1925. Serial No. 30,651.

My invention relates to containers and more particularly to knockdown waste containers.

The object of my invention is in the provision of a waste container that has the advantage of lightness in weight as well as the fact that it may be readily assembled from a knockdown condition.

Another object of my invention is in the provision of a waste container that is made up of sections of wall board or the like, the same being held in an assembled position as well as strengthened by rigid corner posts.

Still another object of my invention lies in the peculiar manner of relating the sections of wall board or the like to the strengthening ribs and the manner of final assembly.

A further object of my invention is in the provision of a waste container fashioned in a manner to permit a large capacity without the disadvantage of great weight, said container being fashioned for ready assembly from a knockdown position.

Other objects of my invention will appear in the following specification taken in connection with the annexed drawings in which:

Fig. 1 is perspective of the container.

Fig. 2 is another perspective with the cover removed.

Fig. 3 is a perspective of container in a knockdown position.

Fig. 4 is an enlarged detail of the upper bracket.

Fig. 5 is an enlarged detail of the lower bracket.

Fig. 6 is an enlarged detail in plan of a corner of the cover.

Fig. 7 is an enlarged detail in side elevation of a corner of the cover.

Fig. 8 is a detail sectional view showing the connection between the wall board sections and the corner posts and:

Fig. 9 is an enlarged detail of a corner of the bottom portion showing manner of assembly.

Referring to the drawings in which I have shown not only the container but also the manner of assembling same, there are disclosed rigid corner posts 10 grooved in each instance on two sides as at 11 and 12 throughout their length.

Sections of relatively thin wall board are shown at 13, these sections being very light in weight and having their edges inserted into grooves 11 and 12 on adjacent corner posts 10. These wall board sections permit the fashioning of a waste container of considerable size without having same so heavy as to prevent ready transportability by an operator.

Likewise the use of wallboard or material of a like nature permits quick drying and hence provides a more sanitary structure than is at present used.

As shown in Fig. 3 the container is built up in sections, each of said sections comprising a section of wall board, the same being inserted into a groove on the rigid corner post. The upper edge of each section of wall board is inserted into a groove on the under side of a cross brace or strengthening member 14.

Upper brackets 15 are fashioned as shown in Fig. 3 to hold the corner post, cross brace and wall board portion of each section together. In other words prior to final assembly the bracket 15 is fastened to corner post, cross brace and wall board section by means of bolts 16 and 17. Obviously and as will be later described other similar bolt members join each section to the one adjacent.

Lower brackets 18 are also attached to each corner post, the same having projecing lower ends that are adapted to engage the bottom portion which is made up of the following parts.

A rigid frame portion 19 conforming to the size of the lower end of the container has grooves 20 therein adapted to receive the lower edges of the wall board sections, said grooves being enlarged at 28 to receive the corner posts 10. A section of wall board 22 is attached at 21 to said frame to form the bottom of the receptacle. Bolts 23 provide means for attaching the side walls to the bottom of the container.

A cover member is fashioned by again forming a frame portion 24, the same being grooved as at 25 to receive the edges of a section of wall board 26 which forms the top of the container. The frame portion 24 is cut away or rabbeted as at 27 for ready engagement and location with respect to the upper edges of the side walls.

Having described an embodiment of my container I now turn to feature of assembly.

For the purpose of ease in shipment each of the side portions have been built up as described and shown in Fig. 3 where each section contains a portion of wall board, a

corner post, a cross brace and upper and lower brackets. Likewise the cover and bottom portions are shown disassembled.

After being received in shipment it is merely necessary to bolt the side walls together, insert the lower edges of wall board sections into the bottom portion and similarly bolt same together. The cover member may be placed over the receptacle completing the assembly which is not only simple but quickly effected.

What I claim is:

A knockdown waste container, comprising upwardly diverging side portions each including a grooved corner post at one side thereof, a section of relatively thin composition board engaging a groove of said post, a cross brace at the upper edge of said board section, a bracket member at each end of said post, said bracket members forming connecting means between the several side portions and having outwardly projecting portions adapted to be secured to the adjacent side portion; a bottom member including a rectangular frame grooved to receive the lower ends of the posts and the lower edges of the board sections; and a cover member including a rectangular frame rabbeted to receive the upper edges of said side portions.

In testimony whereof I have hereunto set my hand this 1st day of May, A. D., 1925.

FRED CARLTON.