

Jan. 24, 1933.

J. E. EDGIN

1,895,428

KNOCKDOWN HOGSHEAD

Filed April 1, 1932

3 Sheets-Sheet 1

Fig. 1.

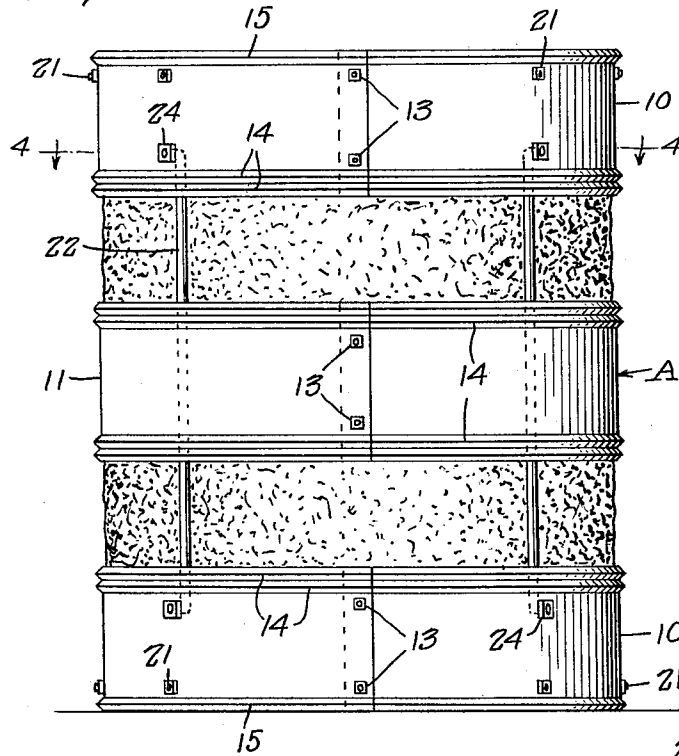


Fig. 10.

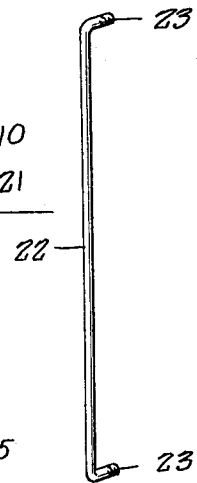
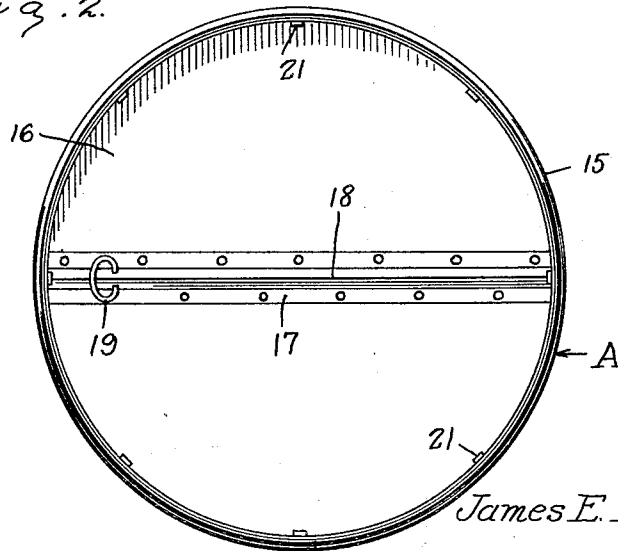


Fig. 2.



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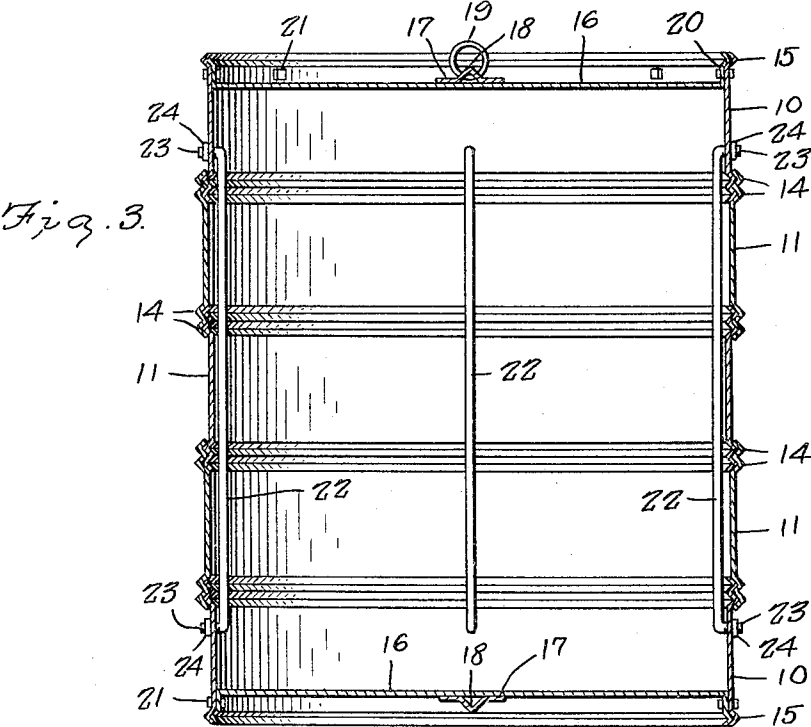
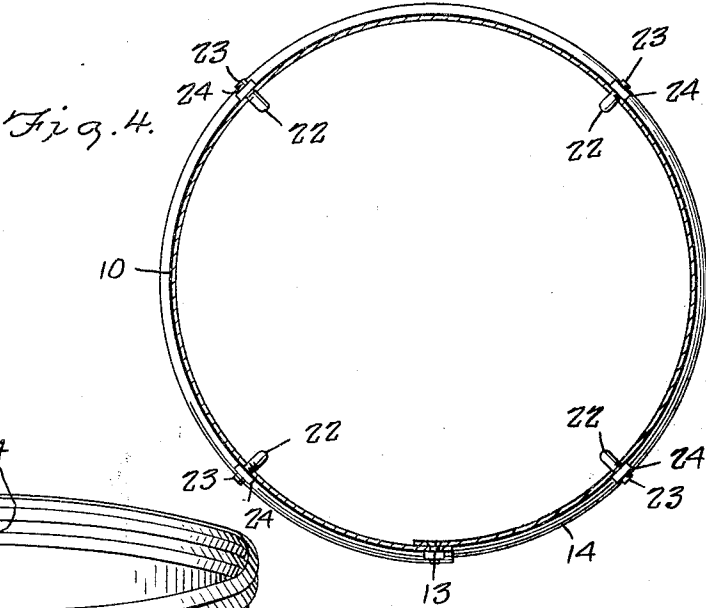
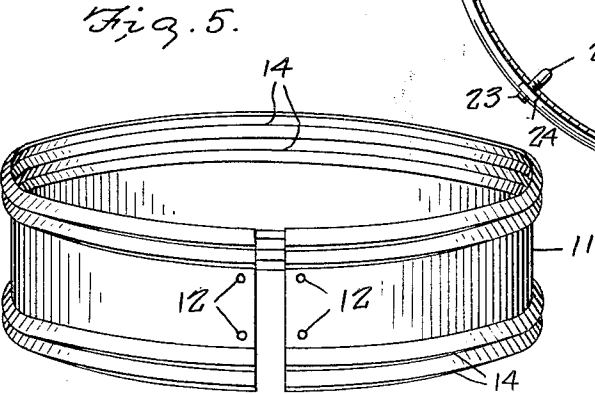
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3 Sheets-Sheet 2



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KNOCKDOWN HOGSHEAD

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3 Sheets-Sheet 3

Fig. 6.

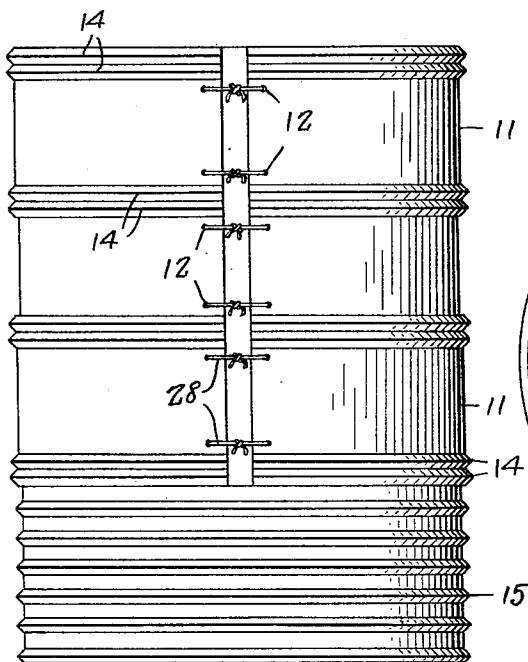


Fig. 7.

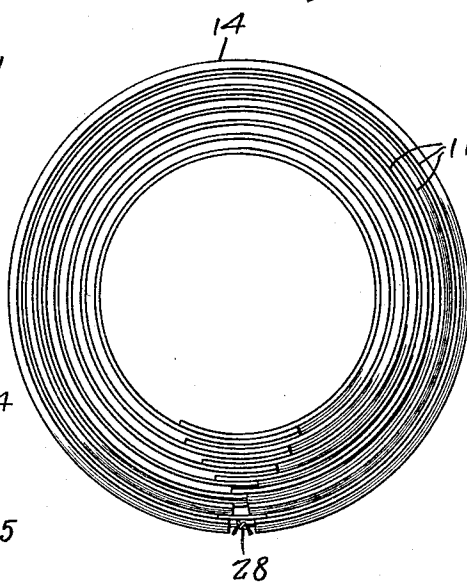


Fig. 8.

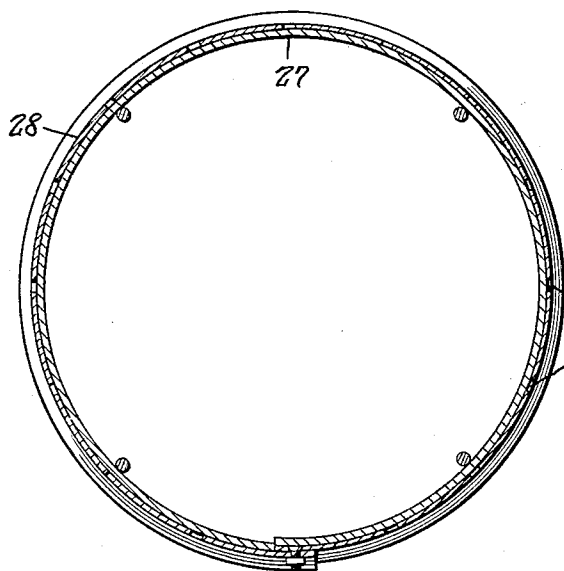
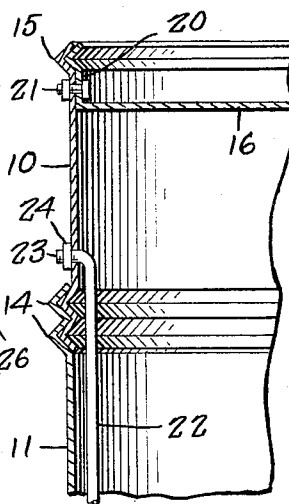


Fig. 9.



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UNITED STATES PATENT OFFICE

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KNOCKDOWN HOGSHEAD

Application filed April 1, 1932. Serial No. 602,585.

The invention relates to a container and more especially to metallic knockdown or collapsible containers for use as hogsheads.

The primary object of the invention is the provision of a container of this character wherein the body thereof is made of a plurality of sections, these being interfitted with each other in a manner that intermediate sections may be removed so that an inspection of the contents may be had with convenience and such body is constructed from metal and the sections separable so that the body may be knocked down to permit shipment in this condition so as to occupy minimum space during shipment.

Another object of the invention is the provision of a container of this character, wherein the sections thereof are of the construction as to permit the dismantling of the body when set up for use in the shipment of tobacco or other merchandise or materials and the dismantled sections nested or assembled one within the other so as to minimize space for the storage or shipment of such container in its knockdown condition and the nature of the body of the container being such as to give longevity thereto and thus avoid the use of wooden containers for shipping or storage purposes.

A further object of the invention is the provision of a container of this character, wherein proper ventilation will be had to the contents and also the latter will be protected from the body through the use of a lining interiorly thereof, the contents being protected and preserved both in storage and shipment in the use of the container.

A still further object of the invention is the provision of a container of this character wherein the construction thereof is novel in form, both in the manner of assemblage and in the knocking down or collapsing thereof and also will meet every requirement for storage and shipping purposes.

A still further object of the invention is the provision of a container of this character which is extremely simple in construction, thoroughly reliable and efficient in its purpose, strong, durable, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawings, which disclose the preferred embodiment of the invention, and pointed out in the appended claims.

In the accompanying drawings:—

Figure 1 is a side elevation of a container constructed in accordance with the invention showing certain of its sections removed for inspection of the contents thereof.

Figure 2 is a top plan view.

Figure 3 is a vertical longitudinal sectional view showing all of the sections of the body in assembled relation to each other when set up for use.

Figure 4 is a sectional view on the line 4—4 of Figure 1 looking in the direction of the arrows.

Figure 5 is a perspective view of one of the sections of the body.

Figure 6 is a side elevation showing a plurality of containers knocked down and nested for convenient transportation thereof, the sections being stacked one upon the other and also the heads in stacked relation therewith.

Figure 7 is a top plan view of Figure 6.

Figure 8 is a horizontal sectional view through a container showing a slight modification.

Figure 9 is an enlarged fragmentary vertical sectional view of the container when set up for use.

Figure 10 is a perspective view of one of the reinforcement rods of the container.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, A designates generally the container which is in the form of a hogshead and includes a series of outer and intermediate sections 10 and 11 respectively, each in the form of a circular split band having formed next to its slit or notched ends thereof spaced holes 12 to accommodate nut carrying bolts or fasteners 13, these being engaged in the holes when the bands or sections 10 are overlapped at their

ends for the closing of the slit and the uniting of the ends of such bands.

The intermediate sections and also the inner ends of the outer sections are formed with outstruck annular ribs or corrugations 14, these being designed for the interfitting of the said outer sections 10 and intermediate sections 11, while the outer ends of the sections 10 are formed with outstruck annular seats 15 for the interfitting of end heads 16 in these sections 10. Both of the end heads 16 have an external reinforcing cross piece 17, each provided with a center rib 18 in which is engaged a loop handle 19.

Each end head 16 at its annular marginal flange 20 receives fasteners or bolts 21 which are also passed through the sections 10 so that the heads will be detachably secured in the body A as is clearly shown in Figures 1, 2, 3 and 9 of the drawings.

Arranged interiorly of the body A at determined intervals are tie rods 22, these being spaced an equidistance apart and have out-turned ends 23 which are adapted to engage in and pass through suitable openings in the sections 10, while threaded on the ends 23 are nuts 24 which secure the rods 22 coupled with the sections 10. These rods 22 constitute reinforcements interiorly of the body A and also permit in the setting up thereof of the removal of the sections 11 from the sections 10 on releasing the bolts 13 and spreading such sections 11 at the split therein, so that the body 10 will have the appearance as in Figure 1 of the drawings and thus the contents of this body can be readily and conveniently inspected without liability of the collapsing of the body by the removal of such sections 11 in the manner as before described.

In Figure 8 of the drawings there is shown a slight modification, wherein the separable sections 25 have formed therein at intervals vent openings 26 while interiorly of these sections when assembled is a pasteboard lining 27 which protects the contents of the body from the inner wall constituted by the sections 25.

It is of course understood that the sections 10 and 11 and the heads 16 are made from sheet metal having the required thickness and rigidity.

In the setting up or assembling of the container the outer sections 10 have engaged therewith the tie rods 22 which couple these sections together in spaced relation and then the intermediate sections 11 are placed between the outer sections and joined therewith or interfitted with each other and also with the sections 10 in a manner as shown in Figure 3 of the drawings, it being understood of course that the slits in the sections 10 and 11 are closed by the overlapping of the ends thereof and the bolts 13 engaged in the holes to secure the said ends in overlapped condition and thereafter the heads 16

are secured in the sections 10 so that the container will house its contents and permit shipment and storage thereof as should be obvious.

Now when it is desired to dismantle or knock down the container the sections 10 and 11 are separated from each other and the bolts 13 removed from the holes 12 so that these sections 10 and 11 can be expanded to permit the interfitting of one section within the other in a fashion as is shown in Figures 6 and 7 of the drawings and to hold such sections in their nested condition there are provided ties 28 of wire, these ties being engaged in the holes 12 as shown in Figures 6 and 7 of the drawings, while the heads 16 are superimposed one upon the other for the stacking thereof and thereafter the nested sections are superimposed one upon the other onto the heads as is illustrated in Figure 6 of the drawings. In this condition a number of containers in knockdown form can be shipped or stored in minimum space or in a space that would be ordinarily occupied by a wooden hogshead or container.

What is claimed is:—

1. A container of the character described comprising a plurality of cylindrical sections, means on the meeting edges of said sections for interfitting thereof, means interiorly of the sections and carried by the outermost sections thereof for rigidly coupling the same together, whereby the sections therebetween can be removed, said sections having slits, means for detachably securing said sections overlapped at the slits, end heads detachably secured in the outermost sections, and reinforcements transversely of said heads exteriorly thereof.

2. A container of the character described comprising a plurality of cylindrical sections, means on the meeting edges of said sections for interfitting thereof, means interiorly of the sections and carried by the outermost sections thereof for rigidly coupling the same together, whereby the sections therebetween can be removed, said sections having slits, means for detachably securing said sections overlapped at the slits, end heads detachably secured in the outermost sections, reinforcements transversely of said heads exteriorly thereof, and means on the outermost sections for the interfitting of the heads therein.

3. A container of the character described comprising a plurality of cylindrical sections, means on the meeting edges of said sections for interfitting thereof, means interiorly of the sections and carried by the outermost sections thereof for rigidly coupling the same together, whereby the sections therebetween can be removed, said sections having slits, means for detachably securing said sections overlapped at the slits, end heads detachably secured in the outermost sections,

reinforcements transversely of said heads exteriorly thereof, means on the outermost sections for the interfitting of the heads therein, and means for detachably joining the outermost sections and the heads in their interfitted relation to each other.

4. A container of the character described comprising a plurality of cylindrical sections, means on the meeting edges of said sections for interfitting thereof, means interiorly of the sections and carried by the outermost sections thereof for rigidly coupling the same together, whereby the sections therebetween can be removed, said sections having slits, means for detachably securing said sections overlapped at the slits, end heads detachably secured in the outermost sections, reinforcements transversely of said heads exteriorly thereof, means on the outermost sections for the interfitting of the heads therein, means for detachably joining the outermost sections and the heads in their interfitted relation to each other, and means for detachably uniting the second named means with the said outermost sections.

In testimony whereof I affix my signature.
JAMES E. EDGIN.

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