Dec. 3, 1946. H. S. YOUNG 2,412,024

SECTIONAL CONTAINER

Filed Oct. 11, 1943

Fig. 1.

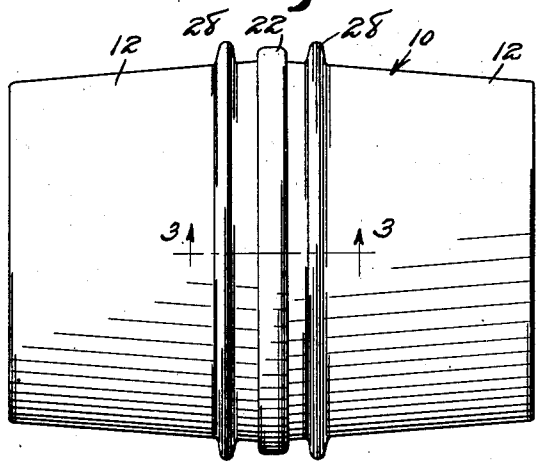


Fig. 2.

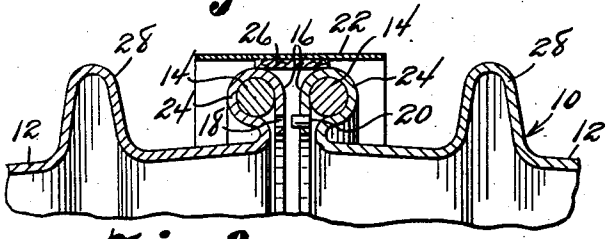


Fig. 3.

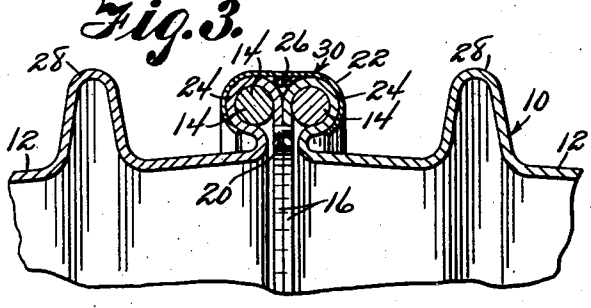


Fig. 4.

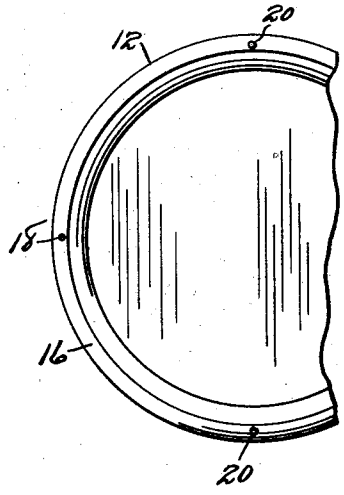
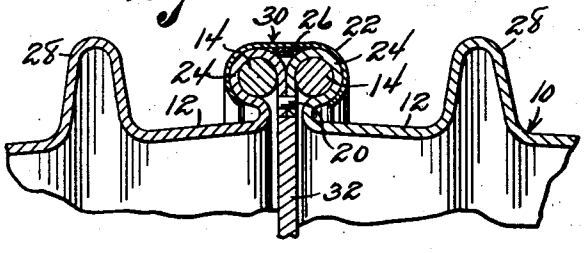


Fig. 5.



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Patented Dec. 3, 1946

2,412,024

UNITED STATES PATENT OFFICE

2,412,024

SECTIONAL CONTAINER

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Application October 11, 1943, Serial No. 505,827

2 Claims. (Cl. 220—5)

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My invention relates to containers, such as barrels, drums and the like, and has among its objects and advantages the provision of an improved knockdown container.

In the accompanying drawing:

Figure 1 is a side view of a container in accordance with my invention;

Figure 2 is a sectional detail view illustrating the manner in which the sections of the container are brought together for connection one with the other;

Figure 3 is a sectional view along the line 3—3 of Figure 1;

Figure 4 is a fragmentary end view of one of the container sections; and

Figure 5 is a sectional view illustrating the manner in which a partition may be incorporated in the container in the plane of the line of separation between the sections.

In the embodiment of the invention selected for illustration, the barrel 10 comprises two identical steel sections 12. Each section has an end margin bent about a reinforcing rod 14 of circular formation, with the bend terminating in a flange 16 arranged at right angles to the longitudinal axis of the barrel.

Each flange 16 is provided with two openings 18 and two dowels 20. The dowels 20 on one flange are receivable in the openings 18 of the other flange when the sections 12 are brought together, as in Figure 3, with the flanges 16 lying in face to face engagement.

To connect the sections 12, the sections are aligned in the manner of Figure 2 and pressed together to bring the flanges 16 into face to face engagement. A metal hoop 22 is then placed about the beads 24 containing the rods 14 with a sealing body 26 overlying the two beads. When the sections are brought together, as in Figure 3, the hoop 22 is crimped about the beads 24, as in Figure 3, to hold the sections 12 in firm end to end engagement. The packing 26 provides a sealed joint, and the dowels 20 key the sections to restrain the latter from relative rotation. Thus the sections 12 may be firmly connected into a unitary structure.

Drums, barrels and the like are efficient containers but are objectionable when being transported in empty condition because of the large space displacement in contrast to the relatively light load. In a construction of the type disclosed, the sections 12 may be nested one within the other to provide a compact arrangement to the end that shipping space may be reduced in a relatively large degree.

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To protect the hoop 22 when handling the filled container, each section 12 is deformed to provide an annular rib 28, with the joint 30 located between the ribs. Thus the container may be rolled without causing any damage to the joint.

In cases where the container is filled with material which might solidify, a plate 32 is arranged between the flanges 16 so as to provide a dividing wall in the plane of the line of separation between the sections, thereby facilitating separation of the sections and the contents therein.

While the hoop 22 provides an efficient tying means for the two sections, this hoop may be easily cut with a hammer and cold chisel when separating the sections. Either or both sections 12 may be provided with filler openings in the manner of conventional steel drums and the like.

Without further elaboration, the foregoing will so fully illustrate my invention, that others may, by applying current knowledge, readily adapt the same for use under various conditions of service.

I claim:

1. A drum comprising two sheet metal half drum sections circumferentially joined, the edge portions of which are bent backwardly upon themselves to form U-shaped recesses, then curved outwardly and around to form annular circular beads and then inwardly to form annular circular flanges, reinforcing rods inside said beads, and a rupturable hoop having the outer edges thereof bent to conform to and contact said beads to hold the sections in connected relationship with said flanges engaging face to face, said flanges being provided with openings and dowels, with the dowels in each flange fitting the openings in the other flange to restrain the sections from relative rotation.

2. The invention described in claim 1 wherein said sections are provided with deformations in the nature of annular ribs having diameters exceeding the diameter of the hoop holding the sections in face to face relationship to each other and packing means are supported by said hoop about the container in the plane of the meeting flanges.

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