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2,083,340

METAL BARREL

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Fig. 1

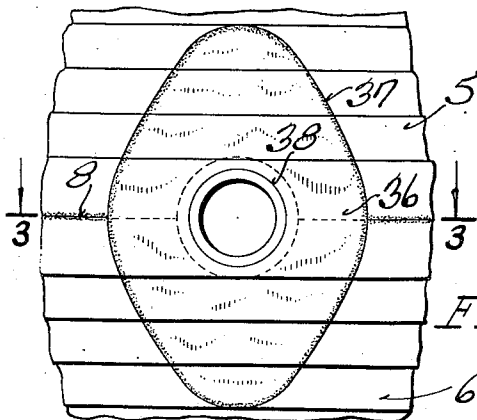
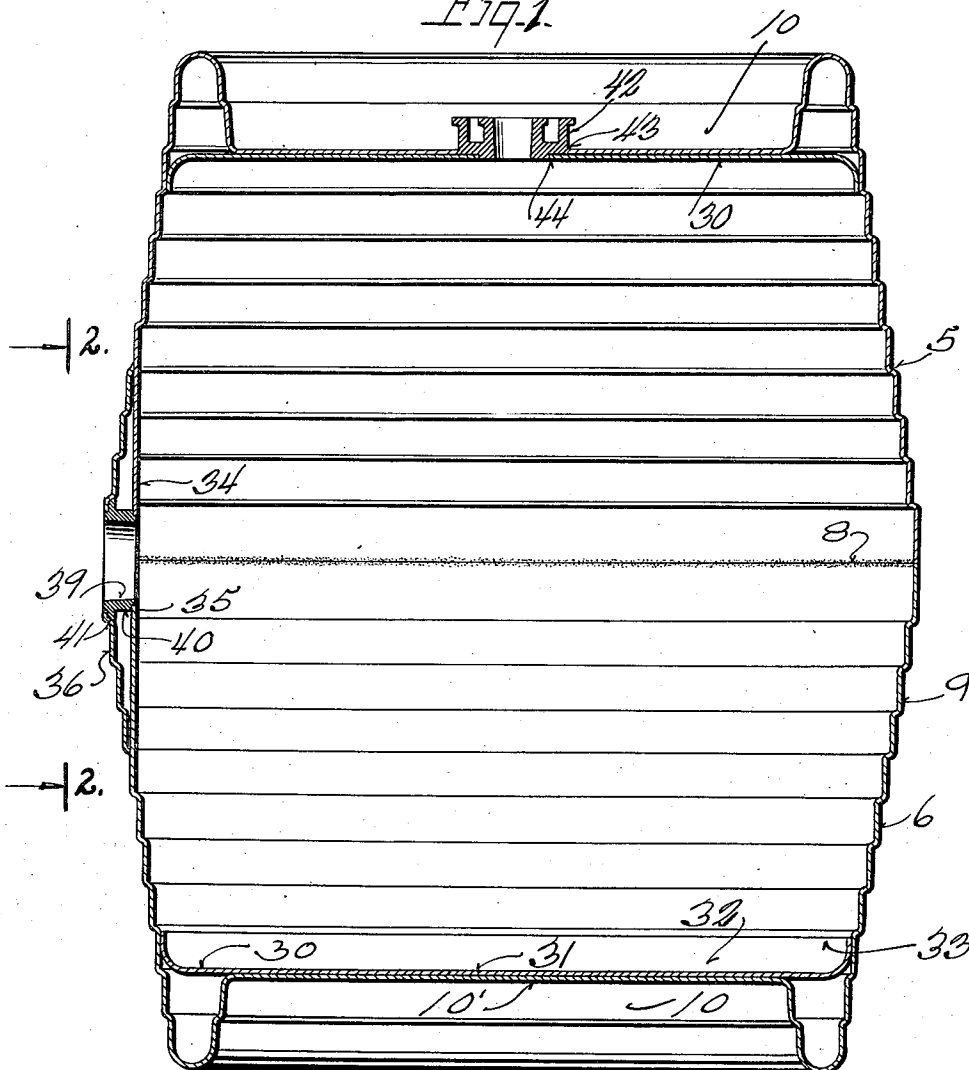
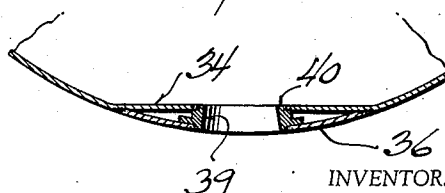


Fig. 2

Fig. 3



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METAL BARREL

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2 Claims. (Cl. 220—71)

This invention relates to a metal barrel particularly designed and adapted for use as a beer barrel or as a container for similar beverages although also well adapted for other uses.

5 One object of the invention is to provide a barrel with a strong and durable bung structure, one which will stand up under the severe usage to which such a structure is subjected and yet preclude fatigue or distortion of the metal ad-
10 jacent the bung structure.

Another object of the invention is to provide a barrel having a bung structure of the character mentioned and one which does not interfere with easy rolling and handling of the barrel.

15 Other objects and advantages reside in certain novel features of the construction, arrangement and combination of parts which will be hereinafter more fully described and particularly pointed out in the appended claims, reference
20 being had to the accompanying drawing, forming a part of this specification, and in which:

Figure 1 is a view in diametrical vertical section illustrating one embodiment of the invention;

25 Figure 2 is a view in elevation, the barrel being viewed from line 2—2 of Figure 1; and

Figure 3 is a fragmentary view in horizontal section taken on line 3—3 of Figure 2.

Referring to the drawing, the barrel in the
30 embodiment illustrated is made up of the tub-like sections 5 and 6 having the cupped end walls 10 and the stepped or corrugated body portions 9, the edges of which are welded together as at 8. In this structure, however, the end portions of
35 the barrel are equipped with pan-like end members 30, the body portions 31 of which flatly rest against the portions 10' of the end walls and the flanges 32 of which abut one of the steps of the body portion and are welded thereto as indicated
40 at 33.

The tub-like sections 5 and 6 are formed with a flat 34 having a bung hole 35 therein. A bridge or fixture plate 36 of elliptical form and of stepped formation has its margin welded as at 37 to the
45 margin of the flat and is formed with an opening 38 alined with the bung hole 35. A bung bushing 39 has its reduced ends fitted in the bung hole 35 and opening 38, respectively, and has its shoulders 40 and 41 formed adjacent its reduced ends
50 positively interengaged with the sections 5 and 6 and with the bridge plate 36, respectively. The reduced ends are welded to the sections 5 and 6 and to the bridge plate 36. It will be seen that the bridge plate 36 conforms in outline to the
55 outline of the flat 34 but conforms in transverse curvature to the general cross section curvature

of the body of the barrel. Its steps or corrugations blend with and form continuations of the steps of the barrel.

A tap fitting designated generally at 42 is provided and has its lower end interfitted in open-
5 ings 43 and 44 provided in the portion 10' of the upper cupped end wall 10 and in the pan-like end member 30. The periphery of this tap fitting is welded to the portion 10' of the upper cupped
10 end wall.

The tub-like sections 5 and 6 and the end mem-
15 bers 30 and 31 may be constructed of mild steel in which event their inner surfaces will be coated with a special type of pitch especially adapted for this usage. The invention also contemplates lin-
20 ing the barrel with aluminum or other similar metal or making the sections 5 and 6 and their end members 30 and 31 of stainless steel or other similar metal.

While I have shown and described two construc-
20 tions in which the invention may be embodied, it is to be understood that the structures shown have been selected merely for the purposes of illustration and that various changes in the size, shape and arrangement of the parts may be made
25 without departing from the spirit of the invention or the scope of the subjoined claims.

The invention claimed is:

1. A metal barrel comprising a barrel body, generally of circular cross section but having a
30 flat at its central portion, said flat being provided with a bung hole, a bridge plate having an outline corresponding to that of the flat and having a transverse curvature corresponding to the general
35 cross section curvature of the barrel body, a weld between the edges of the bridge plate and the juncture of the flat with the main portion of the barrel, said plate having an opening alined with
40 the opening of the bung hole, and a bung bushing extending between the said hole and opening and welded to the margins thereof.

2. A metal barrel comprising a bilged barrel body provided with a flat at its central portion
45 extending but a short distance circumferentially of the barrel, said flat being provided with a bung hole, a bridge plate having an outline corresponding to that of the flat and arching thereacross so that its exterior surface blends in with and com-
50 pletes the bilged formation of the barrel, a weld between the edges of the plate and the barrel body, said plate having an opening alined with the bung hole, and a bung bushing extending between said hole and said opening and secured to the bar-
55 rel body and to the plate.

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