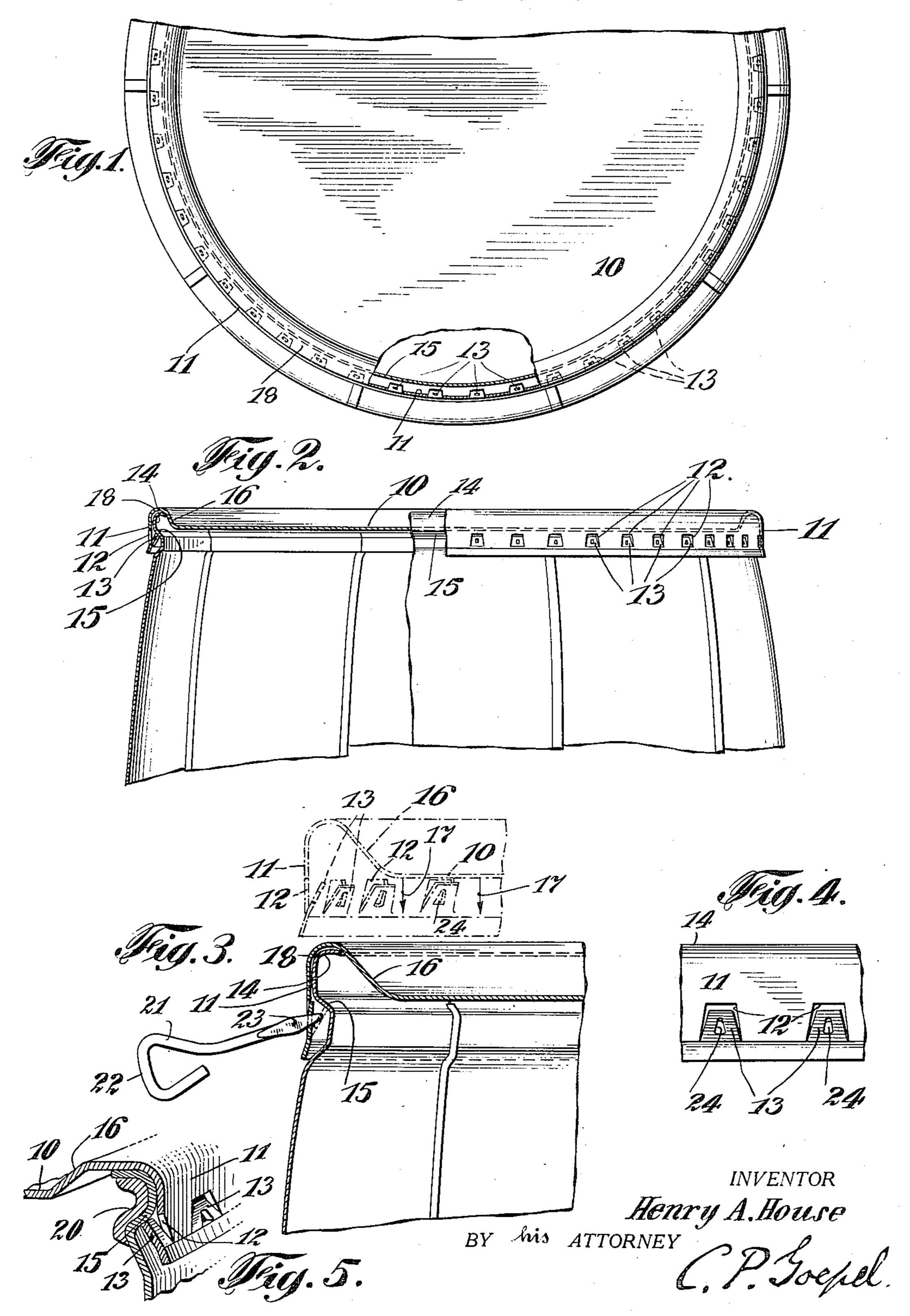
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CLOSURE FOR RECEPTACLES

Filed Aug. 31 . 1922



## STATES PATENT

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CLOSURE FOR RECEPTACLES.

Application filed August 31, 1922. Serial No. 585,390.

To all whom it may concern:

Be it known that I, Henry A. House, a citizen of the United States, and a resident Similar characters of reference indicate of Bridgeport, county of Fairfield, and corresponding parts throughout the various State of Connecticut, have invented a certain views. new and useful Improvement in Closures for

specification.

10 tacles and more particularly to barrel or the barrel itself, be it the top or the bottom 60 of one piece. The invention has for its ob- of the barrel head, extensions are provided ject to provide a simple, efficient and easily in the blank which are bent downwardly by manufactured structure having a head which a stamping operation or the like, into the 15 may be stamped out of one piece and which position shown in Figure 2. At the proper 85 may be applied in a simple manner and time this extension is provided with cutwhich when applied will remain securely outs and tongues which form reinforcing fastened until removed by positive remov- members and the stamping operation moves ing means.

a closure for receptacles including a single from 15 to 30° so that when these tongues piece barrel head having means securing the are placed in position in respect to the chine head to the barrel itself flexibly movable in of the barrel head the tongues will be at

broken away, showing the application of my rel head, the tighter the barrel head will improved one-piece barrel head secured to hold, in view of the relative position of the 30 the barrel itself;

Figure 2 is a view partly in elevation and head and in respect to the chine itself.

applied to the barrel;

head applied to the barrel, with parts broken wardly as clearly shown in Figure 2. For 85

barrel itself.

Figure 4 is a side view of several of the dicated at 16, which gives strength to the es fastening devices which form part of the barrel head and forms with the projection barrel head; and

Figure 5 is a sectional view partly in most portion of the barrel head. perspective of a fastening device of the bar- After the barrel head has been made from

has a reinforcing member near the open end thereof.

Referring to the drawings and more par-Receptacles, of which the following is a ticularly to Figures 1 and 2, the barrel head 10 is made from a one-piece blank which has This invention relates to closure for recep- a size commensurate with the open end of casks having heads made of metal or the like thereof. At the periphery of the main body these tongues into a position in respect to For this purpose my invention consists of the extension referred to at an angle of 70 respect to holding position and flexibly mov- substantially right angles to the surface of 25 able into releasing position.

In the accompanying drawing;

a very secure holding action takes place Figure 1 is a partial plan view with a part since the more pull is exerted upon the bartongue in respect to the extension of the so

partly in section showing the barrel head The barrel head 10 has its extension 11 provided with the cut-outs 12 from which Figure 3 is a sectional view of the barrel extension the tongues 13 are pressed inaway and also showing the device used for the purpose of clearly illustrating the parts releasing the fastening members from en- described it will be seen that the extension gaging to disengaging position so as to en- 11 of the barrel head preferably does not able the barrel head to be readily detached contact with the entire uppermost portion from the body of the barrel.

14 of the barrel above the chine portion 15 60 The dotted line drawing forming the up- thereof, but preferably, these portions are per part of Figure 3 shows the barrel head made to contact at 11 and 14 as shown in immediately prior to its application to the Figure 5. The barrel head is also provided with an inclined circumferential portion in-11, an enveloping member for the upper-

fo rel head engaging the barrel, which barrel the one-piece blank referred to in the man-

ner just described, with the extension 11 It will therefore be seen that the retainand tongues 13 in the relative position and ing lugs or tongues are turned in from the as shown in dotted lines in Figure 3, the spring flange of the head and the head is barrel head is moved downwardly in the di-blanked and drawn with its inside diameter 5 rection of the arrows 17 at the upper part the size of the outside of the barrel chines. 70 of Figure 3 and as a result of this down- The drawn head is then placed upon a dividward movement, the tongues 13 circumferen- ing dial and the retaining lugs are cut free tially arranged around the barrel head, on three sides, pierced and turned in at an move outwardly until the tongues in their angle of from 15 to 30°, the drawing of the 10 outward moved position pass the chine of flange of the head hardens the steel and 75 the barrel itself. When they pass this point gives it quite a spring temper so that when then they spring back again to their initial the head is pressed over the barrel when asposition due to their inherent resiliency, and sembled, the lugs will spring into the recess 15 initial position the barrel head has been position. The barrel chine being at a right 80 moved downwardly sufficiently to bring angle to the retaining lugs or tongues it will 20 sprung into position and in contact with the placed at any desired pitch. chine 15 of the barrel, as clearly shown in Having thus described my invention, in Figure 2.

the embodiments just described which con-fined in the appended claims, I claim as 25 sists in providing the uppermost portion of new and desire to secure by Letters Patent: 90 the barrel with a reinforcing member 20 having the substantial shape of the interior tubular member having an inturned upper of the member 14 of the barrel and extend- margin and a chine depressed inwardly from ing circumferentially around the upper por- the outer surface of said member, and a 30 tions of the barrel or the lower portion head having an upwardly inclined outer 95 thereof, as the case may be. The co-opera- margin terminating in a rounded shoulder

clearly shown in Figure 5.

35 head, a removing device indicated at 21, engage the chine of said member. the resiliency of the tongues is neutralized gin of said member, and a depending flange 110 into their initial position. After all the the chine of said member. may be readily removed from the barrel it- margin terminating in a rounded shoulder, 115 inherent resiliency will permit them to pass said tongues. the proper part of the barrel and snap into 4. A receptacle closure, comprising a 120 thereof.

head or top of a barrel, or uppermost part portion of said head and provided with cut-60 of a barrel applies equally as well to the away portions forming tongues adapted to 125 bottom or lowermost part of a barrel, since be bent inwardly from said flange. the invention as herein described and shown in an embodiment for the top or uppermost outer margin terminating in a circumferen-

the bottom thereof.

by the time they have sprung back into their of the chine and hold the cover in a secure about this contact between the uppermost almost be impossible to remove the head portion 14 and the barrel head at 18, as in- without bending the lugs back into the flange dicated in Figure 3 and the tongues 13 have of the head. The retaining lugs can be

which changes may be made without depart-In Figure 5 is shown a modified form of ing from the spirit or scope thereof as de-

1. A receptacle closure, comprising a tion of the chine 15 and the tongues 13 is adapted to bear against the inturned upper margin of said member, and a depending When it is desired to remove the barrel flange provided with tongues adapted to

having a handle 22 and an engaging member 2. A receptacle closure, comprising a 23 is provided and this is so arranged that tubular member having an inturned upper its engaging member 23 enters the openings margin and a chine depressed inwardly from 24 in the tongues 13. By a downward move- the outer surface of said member, an annument of the handle 22 the tongues 13 are lar reinforcing ring bearing against the 105 moved outwardly substantially in alignment inner surface of said inturned upper margin, with the extension 11 of the barrel head and and a head having an upwardly inclined by thus being moved in alignment therewith outer margin and a rounded shoulder adaptand preferably slightly outwardly thereof, ed to bear against the inturned upper marso that the tongues do not spring back again provided with tongues adapted to engage

tongues of the barrel head have been placed 3. A receptacle closure, comprising a into their innocuous position the barrel head head having an upwardly inclined outer self. If such a barrel head is desired to and a depending flange provided with aperbe used again, the tongues may be forced tured tongues and a lever having an operatinwardly into their initial position and their ing end adapted to engage the apertures of

position of engagement with the chine head having an inclined margin terminating in a rounded shoulder, and a depending What I have stated in respect to a barrel flange extending at an angle to the inclined

5. A receptacle closure having an inclined part of the barrel applies equally well to tial flange having a plurality of cut-outs and a plurality of tongues extending from 130

the flange inwardly of the same, and provided with openings, and having an inherent resiliency holding the tongues in their initial position at an angle of approximately 15 to 30° to the flange and adapted to be moved out of their initial position and an angle of approximately 15 to 30° to the flange and adapted to be moved out of their initial position and approximately 15 to 30° to the flange and adapted to be moved out of their initial position and the foregoing as my invention, I have signed my name to be moved out of their initial position and the foregoing as my invention, I have signed my name to be moved out of their initial position and the foregoing as my invention, I have signed my name to be moved out of their initial position and the foregoing as my invention, I have signed my name to be moved into a position as a signed and adapted as my invention, I have signed my name to be moved into a position and the foregoing as my invention, I have signed my name to be moved out of their initial position and the foregoing as my invention. spring back into the same, and also adapted by suitable means engaging the openings

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