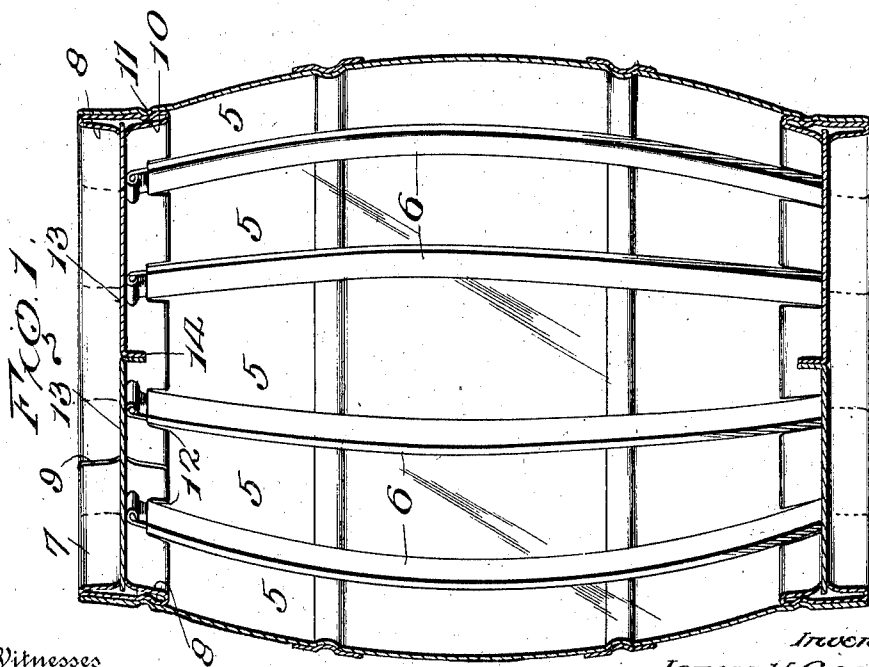
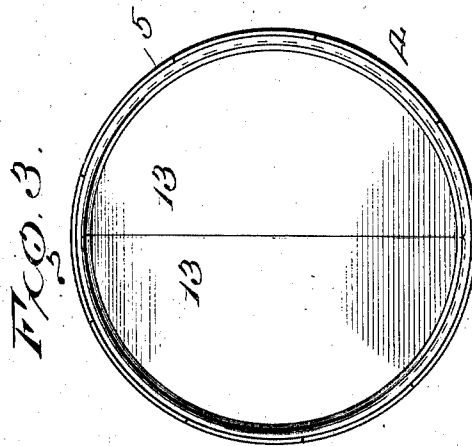
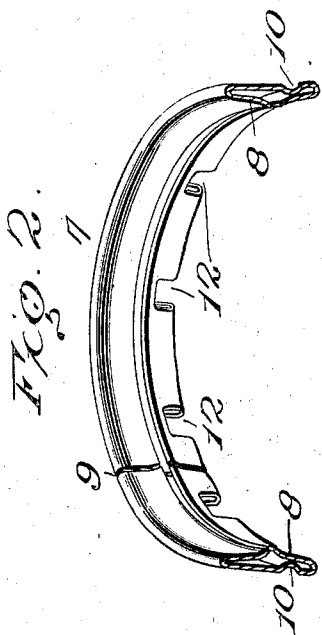


J. H. GEORGE.
METALLIC BARREL.
APPLICATION FILED JAN. 19, 1910.

967,752.

Patented Aug. 16, 1910.



Witnesses

W. A. Williams
K. E. Klein.

Inventor
James H. George

By Dudley, Browne & Phelps
Attorney

UNITED STATES PATENT OFFICE.

JAMES H. GEORGE, OF NEW YORK, N. Y.

METALLIC BARREL.

967,752.

Specification of Letters Patent. Patented Aug. 16, 1910.

Application filed January 19, 1910. Serial No. 538,934.

To all whom it may concern:

Be it known that I, JAMES H. GEORGE, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Metallic Barrels, of which the following is a specification.

My invention relates to certain new and useful improvements in metallic barrels, and the particular object of the present invention is to improve the construction of the head of a metallic barrel and the means for securing the head in the barrel.

A further object of my invention is to produce a metallic head particularly adapted for metallic barrels, which is simple and cheap in its construction, composed of few parts which may be readily assembled and which may be securely fastened within the barrel.

With these and other objects in view my invention consists in certain constructions, combinations and arrangements of parts the preferred form of which will be first described in connection with the accompanying drawings, and then the invention particularly pointed out in the appended claims.

Referring to the drawing wherein the same part is designated by the same reference numeral wherever it occurs: Figure 1 is a central longitudinal section of a metallic barrel provided with heads constructed in accordance with my invention; Fig. 2 is a detail perspective view of the securing ring for the barrel head; Fig. 3 is a top plan view showing the head in position in the barrel.

4 designates the barrel which may be of any preferred or desired construction, that shown being of the form disclosed in my pending application No. 528,677, filed November 18, 1909, in which the staves 5 are secured together by locking strips 6 engaging portions formed on the sides of the staves to secure the staves together. As in my application referred to the locking strips for securing the staves together do not extend the full length of the barrel but stop short of each end thereof.

In order to secure the heads of the barrel I provide a ring 7 which preferably, and as shown, is formed of sheet metal with its side edges turned inwardly to form lips 8 which do not quite meet but leave an opening between the adjacent edges of the lips into

which the edge of the barrel head is adapted to be placed as will be hereinafter described. This ring is made of spring metal and is split as shown at 9. The ring is provided with the groove 10 formed in its body portion which is engaged by the inwardly projecting rib 11 formed in the staves of the barrel to lock the ring in position with its upper edge flush with the end of the barrel. In order to permit the ring to seat itself sufficiently far down in the barrel to enable the head to be supported by the end of the locking strips 6, I provide the lower edge of the ring with a series of notches 12 adapted to straddle the locking strips, as best shown in Fig. 1. The barrel head is formed of two semicircular portions 13 which are provided with the downturned flanges 14 at their meeting edges.

After the barrel staves have been assembled in the manner fully described in my pending application above referred to the two semicircular portions 13 of the head are fitted into a ring, and then a ring with the pair of heads therein is forced into each end of the barrel, the split 9 in the ring enabling the ring to ride over the rib 11 on the barrel until the rib engages the groove 10 in the ring, whereupon the ring and head will be locked in position in the barrel with the upper edge of the ring flush with the ends of the staves.

It will also be noted from Fig. 1 that by providing the cutaway portions 12 in the lower edge of the ring that the under portion of the head will rest against the ends of the locking strips 6, in order to give additional support to the heads and prevent them from being forced into the barrel.

I realize that considerable variation is possible in the details of construction and arrangement of parts without departing from the spirit of my invention, and I therefore do not intend to limit myself to the specific form shown and described.

What I claim as new and desire to secure by Letters Patent is:

1. The combination with a barrel, of a ring, means for securing the ring in position at the end of the barrel, said ring being provided with a slot on its inner side, a barrel head formed of two semi-circular parts, each of said parts being provided with downwardly projecting abutting flanges, the periphery of the semi-circular parts being adapted to enter the slot in the ring.

2. The combination with a barrel having
an inwardly projecting rib adjacent one end,
of a split ring, a groove in the split ring
adapted to cooperate with the rib to lock
5 the ring in the barrel, said ring being pro-
vided with a slot on its inner side, a barrel
head formed of two semi-circular parts, each
of said parts being provided with down-
wardly projecting abutting edges, the pe-
10 riphery of the semi-circular parts being
adapted to enter the slot in the ring.

3. The combination with a metallic bar-
rel composed of a plurality of staves and
having locking strips for securing the staves
15 together, of a ring, means for securing the
ring in position at the end of the barrel, said

ring being provided with a plurality of
slots in one edge adapted to straddle the
ends of the locking strips when the ring is
in position, a barrel head formed of two 20
semi-circular parts, each of said parts being
provided with downwardly projecting abut-
ting flanges, the periphery of the semi-cir-
cular parts being adapted to enter the slot
in the ring.

In testimony whereof I affix my signature 25
in presence of two witnesses.

JAMES H. GEORGE.

Witnesses:

CHARLES H. GEORGE,
JOHN L. FEENY.