No. 868,987. PATENTED OCT. 22, 1907.

J. D. HEWITT.

ASH BARREL OR CAN.

APPLICATION FILED FEB. 16, 1907.

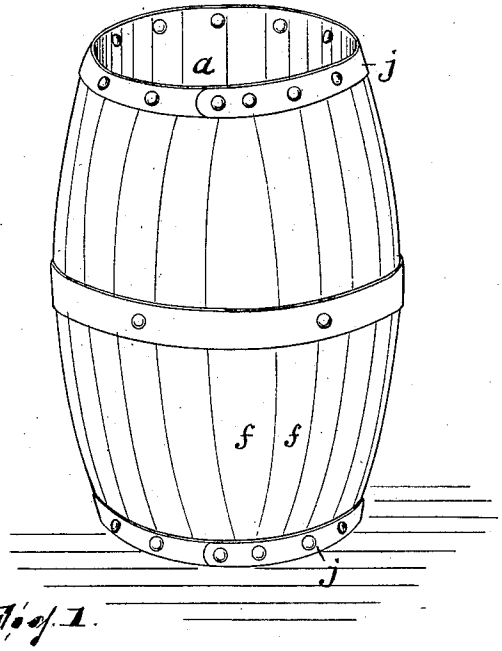



Fig. 1.

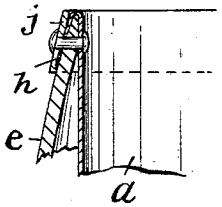



Fig. 3.

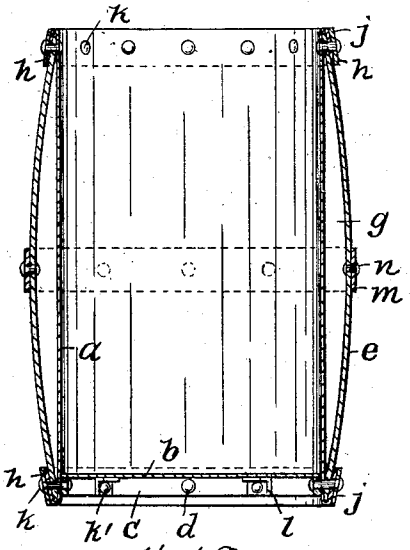



Fig. 2.

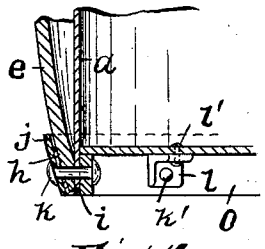



Fig. 4.

WITNESSES:

Wm. D. Bell.

A. Glatt.

INVENTOR,

Joseph D. Hewitt,

BY

Gartner & Howard,

ATTORNEYS.

THE NORRIS PETERS CO., WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

JOSEPH D. HEWITT, OF PATERSON, NEW JERSEY.

## ASH BARREL OR CAN.

No. 868,987. Specification of Letters Patent. Patented Oct. 22, 1907.

Application filed February 16, 1907. Serial No. 357,641.

*To all whom it may concern:*

Be it known that I, JOSEPH D. HEWITT, a citizen of the United States, residing in Paterson, Passaic county, New Jersey, have invented certain new and useful Improvements in Ash Barrels or Cans; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings and to letters of reference marked thereon, which form a part of this specification.

My invention relates to barrels and similar containers and it has for its object to provide a barrel, particularly for use in holding ashes, which shall be so constructed as to withstand the hard usage to which such barrels are subjected, as when the same are lifted and let fall onto the side of a wagon in dumping the contents into the wagon.

My invention will be found fully illustrated in the accompanying drawings, wherein, Figure 1 is a perspective view of the barrel; Fig. 2 is a vertical sectional view thereof; Fig. 3 is a sectional fragmentary view of the top of the barrel; and, Fig. 4 a similar view of the bottom of the barrel, a slight modification being here illustrated.

In said drawings, *a* is a cylindrical shell of heavy sheet metal, galvanized or otherwise treated, if so desired, so as to resist rust, such metal being of about the stock usually employed for making sheet metal ash cans or barrels, although in view of my construction a lighter stock might be employed. In the lower end of this shell is arranged the bottom *b*, the same having a supporting ring *c* which is riveted to shell *a*, as at *d* and further secured or supported as hereinafter described.

*e* is an outer shell preferably made up of a series of staves *f* abutting against each other, said shell having a bulging form; it is preferably made of wood and is substantially like, and may, in fact, be, in all essentials, an ordinary wooden barrel. The inside dimension of this shell *e* at the ends is about the same as the outside dimension of the shell *a*, so that when shell *a* is introduced into shell *e*, the ends of the latter bear on the outside against the shell *a*, although at *g* a space is formed between them owing to the bulging formation of the shell *e*. Shell *a* is longer than shell *e*, and after it has been introduced into shell *e* the end portions *h* of shell *a* are turned over so as to bear squarely against the outer end surfaces of shell *e;* thus an annular channel or pocket *i* is formed for the reception of the ends of the staves of the shell *e*.

*j* designates two metal hoops which are slipped over the bent-over end portions *h* of the shell *a*, rivets *k* being then passed through the several thicknesses at these points to bind the same together. Other rivets *k'* may secure in place at the bottom of the barrel angle-irons *l* forming additional supports for the bottom *b*, which is secured thereto by the rivets *l'*.

*m* is a hoop surrounding the middle of the shell *e* and secured thereto by rivets *n*.

In Fig. 4 the ring *o* is extended downwardly flush with the bottom of the barrel so as to reinforce the same.

It will be apparent that my construction results in a barrel having strength and durability as its chief qualities; by virtue of the arch formed by the bulging of the outer shell *e* the latter is given elasticity and thus itself absorbs any shock such as that incident to letting the filled barrel fall sidewise on the side of a wagon, protecting the shell *a* from being bent in or indented.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a barrel, the combination of an inner sheet metal shell, and an outer shell having bulging sides and also having limited elasticity longitudinally thereof and circumferentially bearing against the inner shell near the ends of the latter, the inner shell having both its end edge portions bent over, and forming annular pockets receiving, the ends of the outer shell, and bearing against, and resisting the end-wise thrust of, said ends substantially at all points thereof, substantially as described.

2. In a barrel, the combination of an inner sheet metal shell, an outer shell having bulging sides and limited elasticity longitudinally thereof and circumferentially bearing against the inner shell near the ends of the latter, the inner shell having both its end edge portions bent over, and forming annular pockets receiving, the ends of the outer shell and bearing against, and resisting the end-wise thrust of, said ends substantially at all points thereof, a bottom for the inner shell, a supporting ring for the bottom, and means, extending through said ring, the end-portions of the outer shell and the bent over edge portions of the inner shell, for securing said ring and the shells together, substantially as described.

3. In a barrel, the combination of an inner sheet metal shell, an outer shell having bulging sides and limited elasticity longitudinally thereof and circumferentially bearing against the inner shell near the ends of the latter, the inner shell having both its end edge portions bent over, and forming annular pockets receiving, the ends of the outer shell and bearing against, and resisting the end-wise thrust of, said ends substantially at all points thereof, hoops fitted around the bent over edge portions of the inner shell, and means extending through said hoops, said end portions and the edge portions of the outer shell, for securing these parts together, substantially as described.

In testimony, that I claim the foregoing, I have hereunto set my hand this 14th day of Februray 1907.

JOSEPH D. HEWITT.

Witnesses:
JOHN W. STEWARD,
A. GLATT.