J. R. HARBECK.

CAN OR CONTAINER.

APPLICATION FILED MAR. 9, 1914.

1,338,688.

Patented May 4, 1920.

Fig. 1

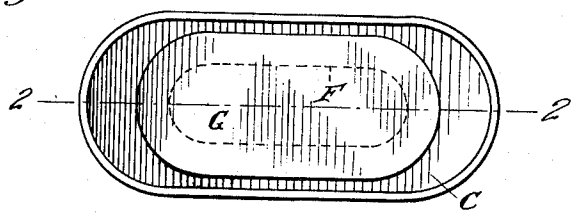


Fig. 2

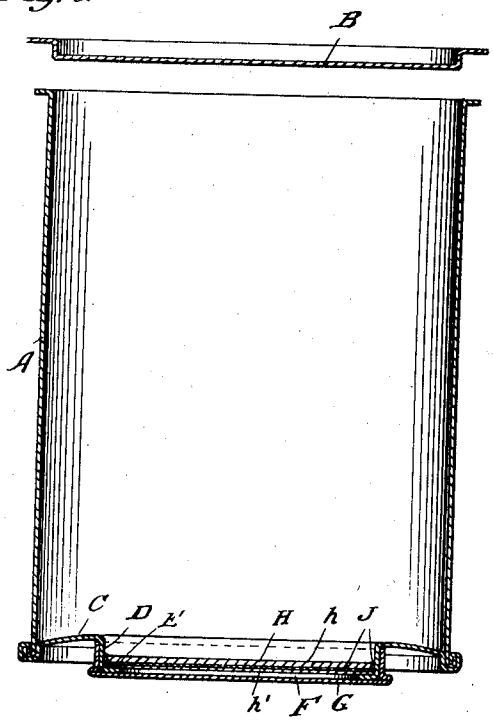
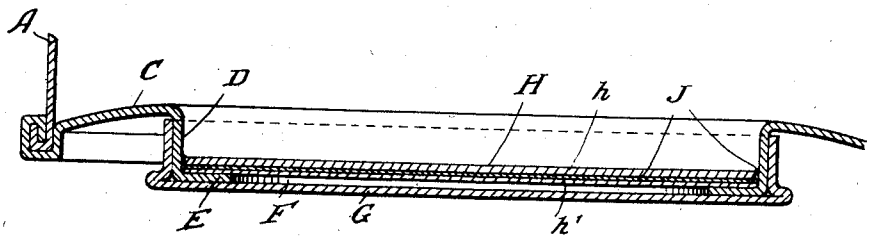


Fig. 3



Witnesses:

Wm. Geiger

Joseph Harris

Inventor

Jervis R. Harbeck

By Munday, Evarts, Adcock & Clarke his Attys.

UNITED STATES PATENT OFFICE.

JERVIS R. HARBECK, OF CHICAGO, ILLINOIS, ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

CAN OR CONTAINER.

1,338,688. Specification of Letters Patent. Patented May 4, 1920.

Application filed March 9, 1914. Serial No. 823,299.

To all whom it may concern:

Be it known that I, JERVIS R. HARBECK, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Cans or Containers, of which the following is a specification.

This invention relates to improvements in cans or containers which may be readily opened but which require to be filled and sealed against the admission of moisture.

And the invention consists in the devices and combination of parts and devices hereinafter more fully set forth and made the subject matter of claim.

In the accompanying drawing which forms a part of this specification Figure 1 is a top or plan view of a sheet metal vessel containing this invention: Fig. 2 a vertical section taken on the line 2—2 of Fig. 1 but showing the vessel inverted in position, the removable cover being at the lower part and showing the bottom of the vessel detached; Fig. 3 an enlarged section of a part of Fig. 2.

In said drawing A is the body of the can or container which may be made of sheet metal or of damp-tight paper. B is the bottom, made of sheet metal, and adapted to be seamed or interflanged with the body. C is the head of the container made with a neck D and the inner shoulder E within which is the cavity or opening F opening into the container. G is the sealed cover fitting over the exterior of the neck D for closing the opening. To seal this container against the admission of moisture I provide a disk or plate H consisting of two pieces of paper or fiber h h^1 united to each other by a fused and fusible cement J. This disk is cut of a size and shape to snugly fit into the inside of the neck D and rest upon the shoulder E, thus to fill and close the opening into the can. The outwardly extending flange which forms the neck D and the radially inwardly extending flange which forms the shoulder E together form a recess into which the sealing disk H fits and is pressed. This disk is applied in place through the bottom of the can or container and is secured in place by the application of heat applied preferably by a hot iron inserted through the bottom of the can before the bottom is applied. The heat melts the fusible cement and a portion of the same oozes out into contact with the neck D and secures the disk in place, at the same time sealing the can perfectly against the admission of moisture through the cover opening. The can or container is now filled with its contents through the bottom, after which the bottom is seamed on. The filled container is now ready to be shipped. When it reaches the hands of the consumer the container may be opened by prying off the cover G and the disk can be easily removed by pressing it down into the interior of the container, after which it may be turned and removed entirely, if desired. After the container reaches the consumer and is opened for use, of course the sealing against damp is no longer important, the function of the seal having been exercised during the transport and distribution of the product. This method of sealing is an extremely convenient one for the consumer as the sealing means may be so readily removed and at the same time the sealing is complete and perfect during transportation and distribution. Another advantage of this mode of sealing is that it affords a means of detection in case the goods have been wrongfully opened, as the disk is applied and secured through the bottom of the container and if the seal be once broken the disk cannot be readily positioned and made to appear the same as before.

I claim:—

A container provided with a seal at each end, the first being a preliminary seal, and comprising an outwardly extending neck terminating in an inwardly extending shoulder, a seal disk compressed within said neck and on the inner side of said shoulder and composed of two layers of a flexible frangible material and a fused cement between said layers, the fused cement extending around within said neck as a result of such compression and adhering to the seal disk and also adhering to the neck around the margin of the disk, and a removable cover fitting tightly around the outwardly extending neck; and the seal at the other end of the container consisting of a loose sheet metal cover adapted to be united to the otherwise open end of the body.

Signed this 5th day of March, 1914, in the presence of two subscribing witnesses.

JERVIS R. HARBECK.

Witnesses:
H. M. MUNDY,
R. H. DRAKE.