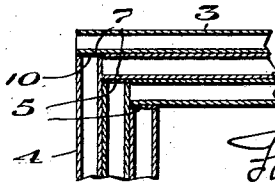
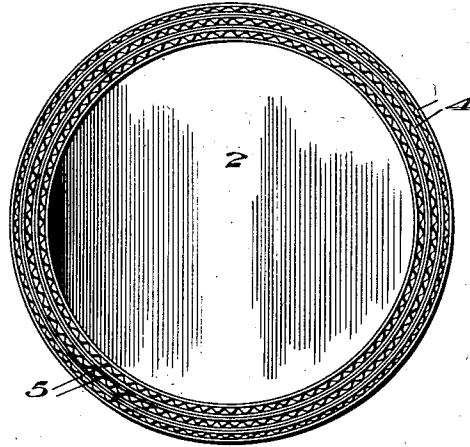
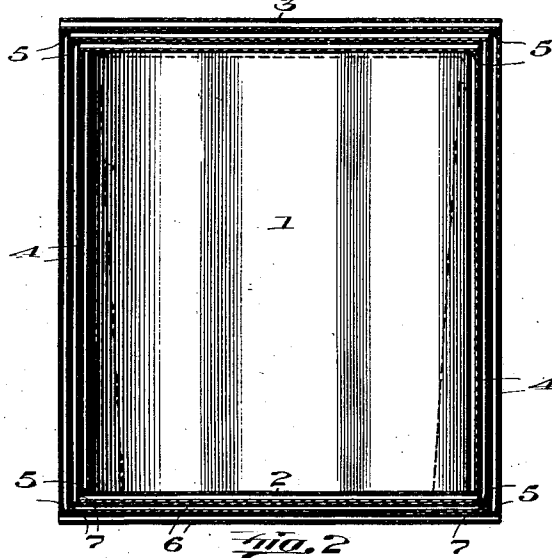


1,297,152.

Fig. 1.



Philip E. Barnes

E. J. Sheehy.

Fay S. Hackney

by James H. H. Co. Attys.

UNITED STATES PATENT OFFICE.

FAY S. HACKNEY, OF TOPEKA, KANSAS.

INSULATED OR NON-CONDUCTING CONTAINER.

1,297,152.

Specification of Letters Patent.

Patented Mar. 11, 1919.

Application filed August 14, 1916. Serial No. 114,815.

To all whom it may concern:

Be it known that I, FAY S. HACKNEY, a citizen of the United States, residing at Topeka, in the county of Shawnee and State of Kansas, have invented new and useful Improvements in Insulated or Non-Conducting Containers, of which the following is a specification.

My present invention pertains to containers of casings for ice cream and other frozen substances as well as hot foods; and it has for its object to provide a peculiarly and advantageously constructed insulating or non-conducting container that is inexpensive in construction and light in weight, and has its parts so relatively arranged that the rigidity and strength of the light container is enhanced and at the same time joints are broken so as to preclude the passage of air between the parts of the container.

With the foregoing in mind, the invention will be fully understood from the following description and claim when the same are read in connection with the drawings, accompanying and forming part of this specification, in which:

Figure 1 is a vertical diametrical section of the container constituting the best practical embodiment of my invention that I have as yet devised.

Fig. 2 is a top plan or end view of the body.

Fig. 3 is an enlarged detail view illustrative of the specific construction of the layers in the body.

Similar numerals of reference designate corresponding parts in all of the views of the drawings.

As clearly shown, my novel container comprises a body 1, a bottom end member 2 permanently joined to the body, and a top end member or cover 3.

The body 1 is shown as circular in cross-section though it may be rectangular or of any other suitable shape in cross-section without affecting my invention. It is made up of a plurality of suitably connected layers 4 of corrugated paper and hence contains a number of dead air chambers which contribute materially to its insulating or non-conducting quality. It will also be noticed that the layers 4 are of different lengths and are nested one within the other; the shortest layer being inside, and the several layers being arranged to form steps 5

at the ends of the body and within the body as illustrated.

The bottom end member 2 is made up of a plurality of superimposed and suitably connected disks 6 of corrugated paper, and the said disks are diminished in diameter upwardly so as to afford the step-like edge 7, adapted to break joints with the similarly shaped lower end of the body 1. The said member 2, in common with the body 1, includes a number of dead-air chambers, and when the member 2 is arranged in and permanently joined by adhesive or other means to the body, the chambers in the member 2 will be closed to the atmosphere, and at the same time the lower ends of the chambers in the body 1 will be closed.

When deemed expedient the upper ends of the chambers in the body 1 may be closed by a layer 10, of shellac or the like placed on the upper stepped edges of the layers.

The upper end members or cover 3 is similar in construction to the lower member 2, with the exception that its stepped edge is provided with a covering layer 10 of shellac or other suitable means to close its air chambers to the atmosphere.

While I prefer to cover the upper ends of the layers in the body 1 and the edges of the layers in the cover member 3 with shellac or other suitable material, I do not desire to be understood as confining myself to the closing of the said chambers inasmuch as when the end member 3 is in its closed position, Fig. 1, it will close the upper ends of the chambers in the body 1 while its chambers, in turn, will be closed by the body 1.

In the preferred embodiment of the invention the difference in length between adjacent layers in the body 1 and the difference in diameter between adjacent layers in the members 2 and 3 is about twice the thickness of each layer.

I would also have it understood that when deemed desirable, the body 1 may be simply set on the member 2 without being connected thereto.

It will be gathered from the foregoing that my novel container may be used simply as an inclosure for a receptacle and with a view to delaying the melting of ice-cream or the like or for retaining the heat in hot foods, or that the container may be adapted to receive either a salted or a plain ice filling in addition to an ice cream can, and I would here

have it understood that when the container is to be used for the latter purpose, its inner surface may be waxed or otherwise rendered waterproof in order to prevent leakage.

5 It will also be gathered that the container is light in weight, and is so inexpensive in construction that the time and expense incidental to collecting the containers after they have been distributed to purchasers may be
10 dispensed with.

Either of the end members and the body may be sealed by shellac or left open in the discretion of the manufacturer; also, the body may be tapered and the end members
15 considered as units, may be of different diameters without affecting the invention.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:

20 A container comprising a body made up of permanently connected layers of corrugated paper, said layers being of different lengths

and nested one within the other, the shortest layer being inside and the several layers being arranged to form steps at the ends of the 25 body and within the body; a bottom end member made up of superimposed and permanently connected disks of corrugated paper, of different diameters, and having a step-like edge to rest in and against and break 30 joints with the similarly-shaped lower end of the body; and an upper end member made up of superimposed and permanently connected disks, of corrugated paper and of different diameters, and having a step-like edge 35 to rest in and against and break joints with the similarly-shaped upper end of the body.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FAY S. HACKNEY.

Witnesses:

GEO. W. HACKNEY,
HERBERT HACKNEY.