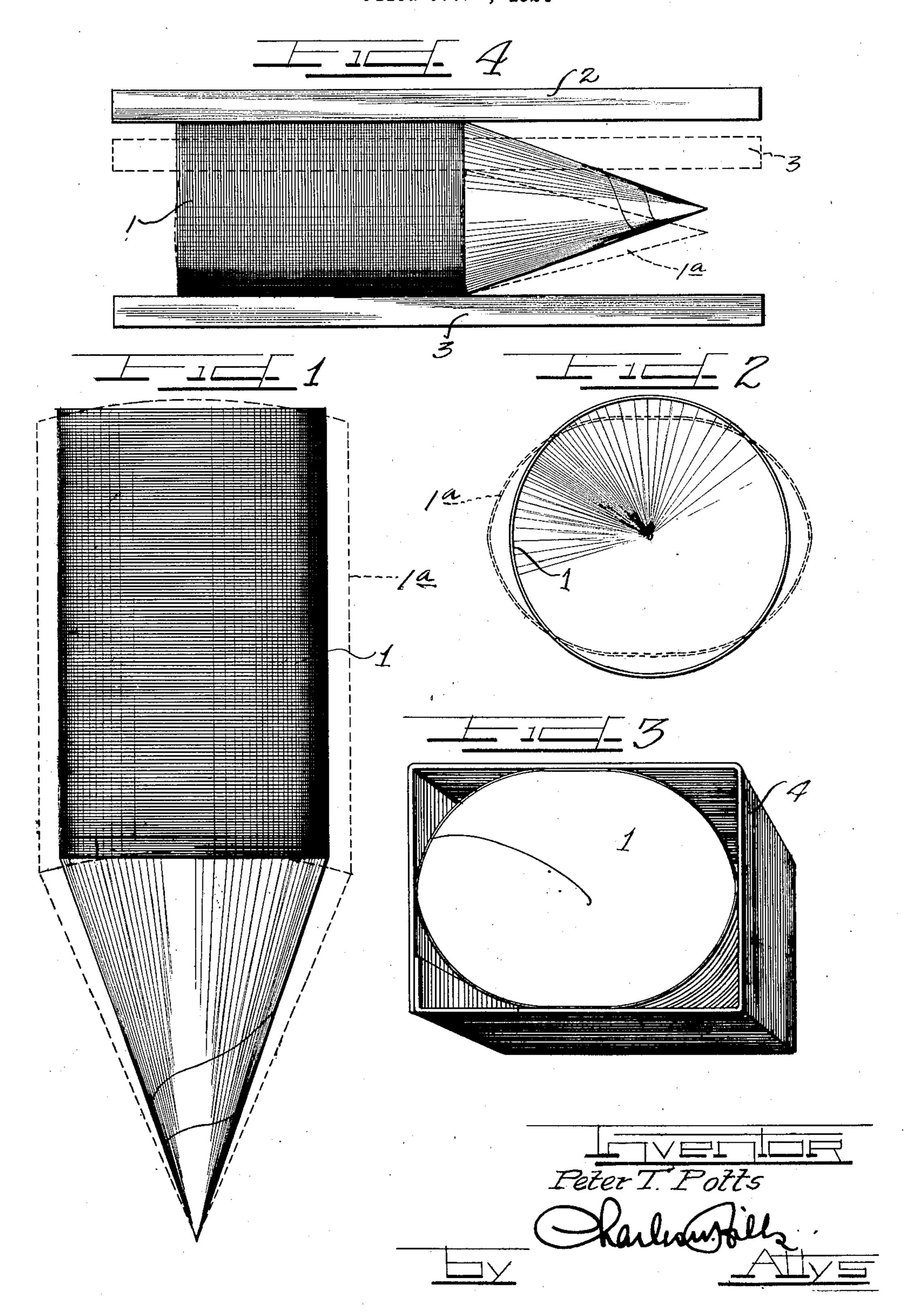
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STACK OF NESTED CONTAINERS AND METHOD OF PACKING THE SAME Filed Oct. 9, 1924



UNITED STATES PATENT OFFICE.

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NESTED CONTAINERS AND METHOD OF PACKING THE SAME

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This invention relates to a stack of nested containers and the method of packing the 5 paper or other suitable material which are present invention are compressed to the form 55 10 and their edges permitted to separate in the prior to insertion to such a dispensing con- 60 to such compression in the line of the shorter rection normal to the axis of the stack. of the axis of the ellipse.

in the other direction.

thus compressed.

30 nying drawings.

illustrated in the drawings and hereinafter compressed. more fully described.

On the drawings:

Figure 1 is a front elevation of a stack of may be retained in the form assumed after 85 nested conical paper receptacles; the dotted such compression in a suitable shipping conaccordance with this invention.

Figure 2 is a top plan view of the stack of dispensing containers is facilitated.

shown in Figure 1.

Figure 3 is a perspective view of the compressed receptacles placed within a shipping

container.

Figure 4 is a side elevation illustrating a method of compressing the stack in a direction normal to its axis; the dotted lines showing the position assumed by the stack and the compressing board when the stack is compressed.

As shown on the drawings:

The reference numeral 1 indicates a stack same and particularly to a stack of nested of nested conical containers such as paper cone-shaped drinking cups constructed of drinking cups which in accordance with the compressed within a dispensing container or indicated by the dotted lines to which I have previous to insertion therein, in a direction applied the reference numeral 1ª. This stack normal to the axis of the stack whereby the of containers may be compressed within a open ends are distorted into elliptical form suitable dispensing container or if desired direction of the longer axis of the ellipse, due tainer by the application of pressure in a di-

In Figure 4 I have shown this compressing It is an important object of this invention force applied by a plate or board 2 resting on 15 to provide a stack of nested containers which the top side of the stack, the bottom side of 65 are compressed in the manner described above the stack resting on a similar board 3; the to insure compactness and to facilitate the in- stack being either forced between such boards dividual dispensing of the articles therefrom as the articles are discharged from a forming by virtue of the compression in one direction machine; or being pressed between said 20 normal to the axis of the stack and expansion boards by having pressure applied to one or 70

both thereof.

It is another object of this invention to pro- As will be noted, the articles when so comvide a stack of articles which are compressed pressed are permitted to expand in the direcas described above and which are packed tion of right angles in the line of compression, 25 within a container designed to retain a stack whereby the edges thereof separate along the 75 expanded portions and the articles assume an Other and further important objects of this elliptical or oval shape at their open ends invention will be apparent from the dis- (Figures 2 and 3), this shape, of course, declosures in the specification and the accompa- pending upon the degree of pressure applied and the initial shape of the articles in the 80 The invention (in a preferred form) is stack after the stack of articles has been so

If such compression is effected prior to insertion in a dispensing container the same lines indicating the position assumed by the tainer such as I have designated at 4 in Fig. receptacles when the stack is compressed in ure 3; by thus previously compressing the articles, the insertion thereof in certain types

> I am aware that changes in the manner of compressing the stack and in the form of articles compressed may be varied, without departing from the principles of this invention, and I therefore do not purpose limiting the 95 patent granted hereon otherwise than necessitated by the prior art.

I claim as my invention:

A stack of nested open end flangeless articles of flexible resilient material and conical 100 form, and a container therefor shaped to compress the series of articles along one diameter normal to the longitudinal axis of the stack and permit of expansion of the articles along the remaining portions of the peripheries thereof, so that the open ends of the articles are maintained in elliptical form and the

form, and a container therefor shaped to compress the series of articles along one diameter permal to the longitudinal axis of the stack of the articles from the stack.

In testimony whereof I have hereunto sub-

scribed my name.

PETER T. POTTS.

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