

Oct. 8, 1929.

V. E. BOLAND

1,730,403

DINNER PAIL

Filed April 2, 1928

2 Sheets-Sheet 1

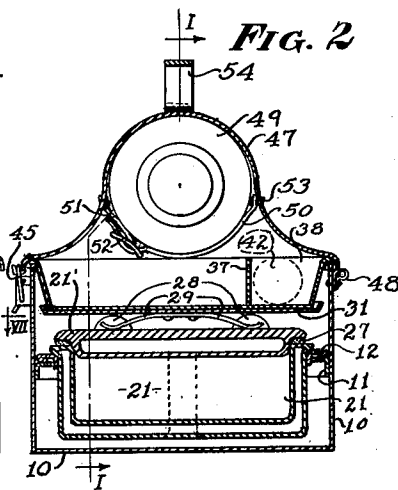
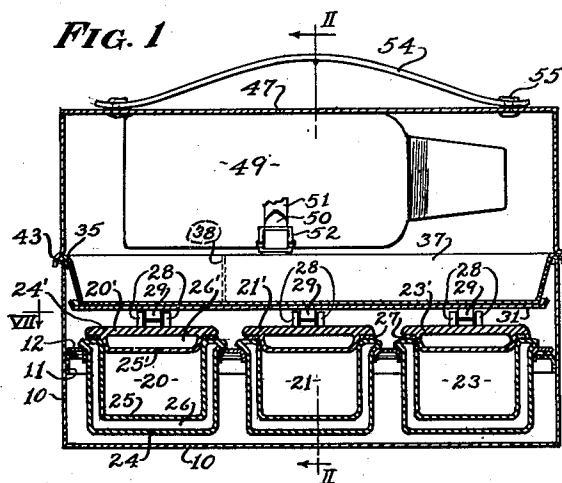


FIG. 3

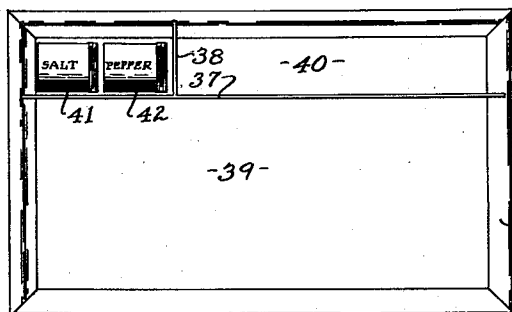


FIG. 5

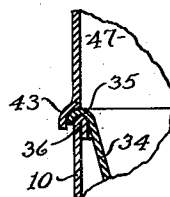


FIG. 4

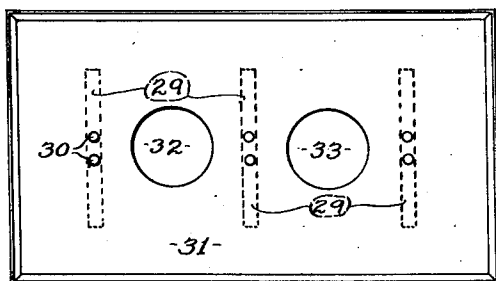
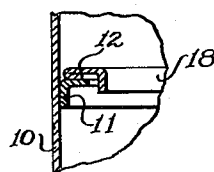


FIG. 6



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2 Sheets-Sheet 2

FIG. 7

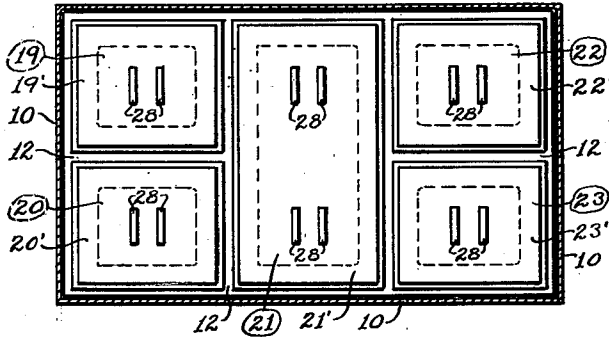


FIG. 10

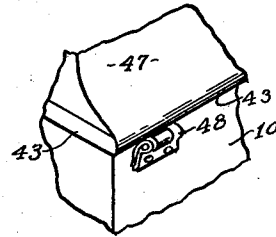


FIG. 8

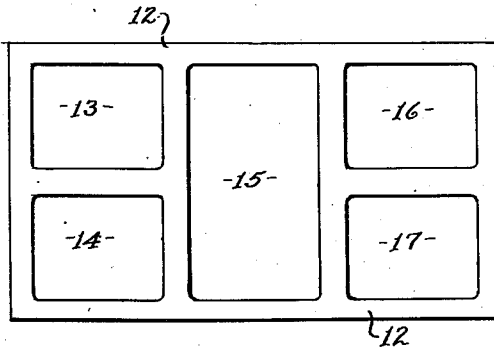


FIG. 11

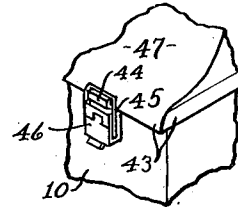


FIG. 9

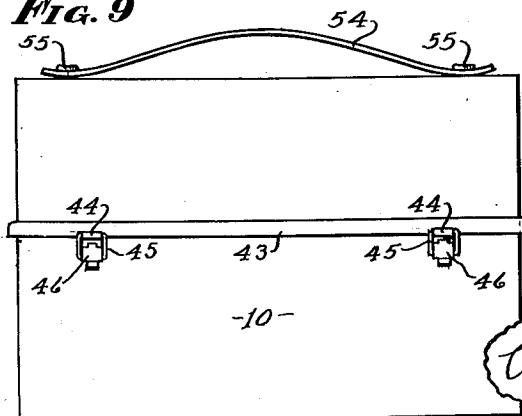


FIG. 12



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UNITED STATES PATENT OFFICE

VIRGIL E. BOLAND, OF WICHITA, KANSAS, ASSIGNOR OF EIGHT PER CENT TO SHERMAN PROAPS, EIGHT PER CENT TO HOWARD J. JOHNSON, EIGHT PER CENT TO WILLARD T. PERRY, EIGHT PER CENT TO R. H. NEWHOUSE, AND EIGHT PER CENT TO H. B. LITTLE, ALL OF WICHITA, KANSAS

DINNER PAIL

Application filed April 2, 1928. Serial No. 266,523.

The invention relates to an improved dinner pail useful to mechanics, workmen and others, in which a plurality of removable containers are included and constructed to resist the transmission of heat or cold from their contents and to associated elements and parts for properly conserving and transporting the separated foods, utensils and condiments, provided.

In the drawings; Fig. 1 shows a longitudinal sectional view of my improved dinner pail as taken along the line I—I in Fig. 2 which represents a sectional view taken along the line II—II Fig. 1. Fig. 3 is a plan view of the knife and fork condiment and pie or sandwich tray. Fig. 4 is a plan view of the spring plate. Fig. 5 is an enlarged sectional detail, showing the assembly of the body, pie tray and lid of the dinner pail. Fig. 6 is an enlarged sectional detail of the supporting element for the member seen in Fig. 8. Fig. 7 is a sectional view taken along the line VII—VII Fig. 1. Fig. 8 is a plan view of the supporting plate for the vacuum walled containers. Fig. 9 is a front view of the dinner pail. Fig. 10 is a perspective view of a rear corner of the dinner pail showing the hinge connection between the lid and the body thereof. Fig. 11 is a perspective view of one of the front corners of the dinner pail showing the clamp means. Fig. 12 is a detail view in perspective of the hook formed on the lid of the pail for cooperating with the clamp for closing purposes of the lid and body assembly. Similar numerals of reference indicate corresponding parts throughout all the figures of the drawings.

Referring to the drawings; at 10 is seen the base element as a box-like housing to which is preferably spot welded an angle 11 as a support for the plate 12. A plurality of openings such as 13—14—15—16—17, Fig. 8, are formed in the plate 12 of proper configuration to pass the thermos containers later described.

The several edges of the plate 12 adjacent these openings are bent downwardly as at 18 as stiffening flanges for reinforcing said plate and to provide a smooth bearing edge

for the vacuum walled containers 19—20—21—22 and 23.

These containers are preferably made of glass and are provided with double walls 24 and 25 leaving a space 26 as a vacuum. Over these thermos containers are placed the covers 19'—20'—21'—22' and 23' which likewise have the double wall feature 24' and 25' and vacuum space 26' as in the containers. Each cover rests upon a rubber or cork gasket 27 as a cushion and tight joint between the container and its cover.

Each of the covers is provided with ear like portions 28 to be used as a means to lift the cover. These paired ear elements 28 are at a spaced distance apart to receive and act as guides for the ends of a spring leaf such as 29, which fits between them. Each of these springs 29 is riveted as at 30 upon the under side of the support plate 31 which is provided with the finger holes 32 and 33 for removal of the plate or for assembly. This plate 31 supports the tray 34, seen in Fig. 4 and the weight of this tray is transmitted to the covers 19' to 23', inclusive, by means of the springs 29, which normally support the upper edge 35 of the tray above the top turned edge 36 of the housing 10. This rolled edge 35 fits the edge 36 as seen in Fig. 5, when properly positioned.

The tray 34 has cross partitions 37 and 38, which divide the tray into a large compartment 39 useful for holding pies or sandwiches and the like, while the narrow compartment 40 holds the knife, fork and spoon; and in the smallest compartment is placed the salt and pepper boxes as seen at 41 and 42.

The lid of the dinner pail is formed with rolled edges such as 43 Fig. 5, which fit the edges 35 of the tray 34. In closing the lid of the dinner pail, the roll 43 contacts the edge 36 of the box 10. This lowers the plate 31 compressing the springs 29 and provides a closing pressure upon the covers 19' to 23' inclusive which insures a tight fit of these covers upon their respective containers. Upon the edge 43 is formed a hook 44 adapted to engage a loop element 45 of any clamp fastener of the type usually used on suit cases and the like.

The lid 47 is hinged at 48 to the box 10. In the curved top of the lid 47 is placed a thermos bottle 49 held in place by two straps 50 and 51 buckled as at 52. The straps are riveted to the under side of the lid 47 as at 53.

The pail is carried by a suitable handle 54 attached to the lid 47 by rivets such as 55.

It will be seen that when the dinner pail is assembled, the vacuum containers are supported in a relatively air tight chamber, or so that they will each properly conserve heat or cold, without affecting the temperature of adjacent containers.

Such other modifications may be employed as lie within the scope of the appended claims.

Having fully disclosed my invention what I now claim as new and desire to secure by Letters Patent is:

1. In an article of the class described; a box-like lower element having a flanged shelf around its sides; a plate supported thereon, said plate having openings and vacuum containers positioned therein and supported thereby; a plate and depending spring elements carried thereby above said containers; a tray supported upon the spring plate and a hinged lid for the box, whose closing pressure is transmitted to and through the spring means to effectually seal the covers upon the containers.

2. In a dinner pail, a box-like base element, a tray having a rolled edge for engaging the edges of said box and a lid having hinge and clamp means for closing the edges of said lid upon and sealing the edges of the foregoing elements.

In testimony whereof I affix my signature.
VIRGIL E. BOLAND.

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