United States Patent [19]

Kaplan

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[54] **REFRIGERANT CONTAINING SANDWICH STORAGE DEVICE**

[75] Inventor: **Marx Kaplan**, Vineland, N.J.

[73] Assignee: **The Raymond Lee Organization, Inc.**, New York, N.Y. ; a part interest

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[52] **U.S. Cl.** **62/371**, 62/457, 62/430, 62/438

[51] **Int. Cl.** **F25d 3/08**

[58] **Field of Search** 62/371, 457, 430, 438

[56] **References Cited**

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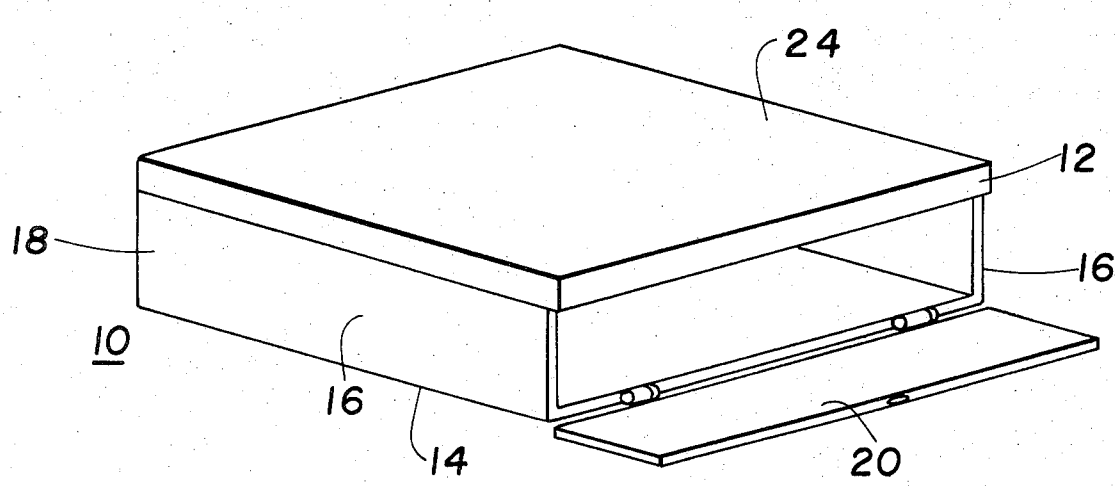
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Primary Examiner—William J. Wye

[57] **ABSTRACT**

A device for keeping sandwiches in refrigerator fresh condition which comprises a hollow rectangular parallelpiped body having first and second parallel horizontal walls interconnected by vertical side and end walls, one of the vertical walls including an access door, at least one of the walls being hollow. A chemical refrigerant material fills the hollow wall. The outer portion of the hollow wall is treated to prevent condensation.

1 Claim, 2 Drawing Figures



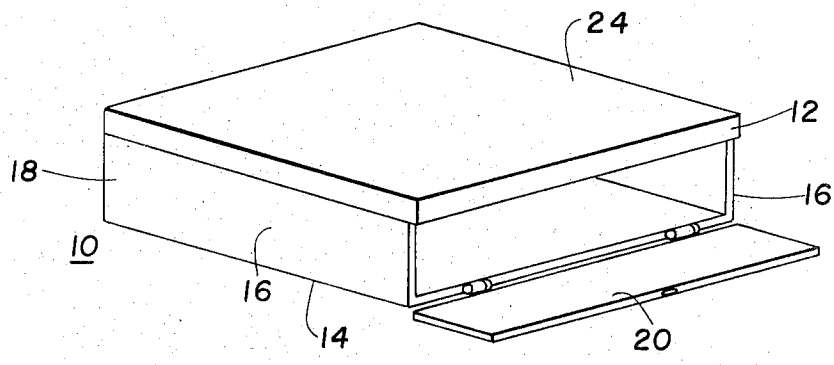


FIG. 1

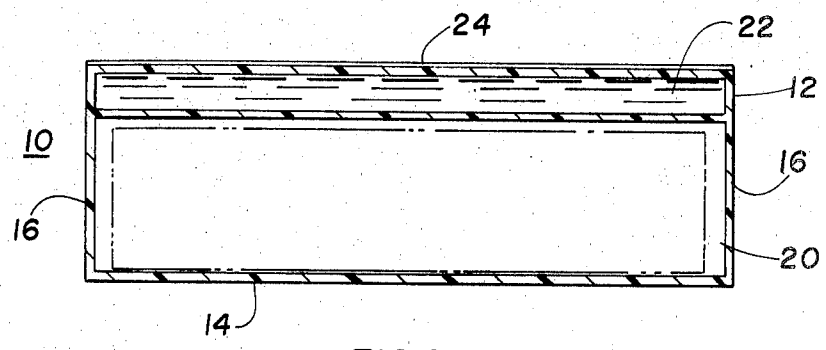


FIG. 2

REFRIGERANT CONTAINING SANDWICH STORAGE DEVICE

SUMMARY OF THE INVENTION

My invention is directed toward a device which will enable a user to keep a sandwich in refrigerator fresh condition, even when the device remains exposed to summer heat for some hours, as for example on picnics, to work, school or the like.

To this end, I employ a hollow rectangular parallelpiped body having first and second parallel horizontal walls interconnected by vertical side and end walls, one of the vertical walls including an access door, at least one of the walls being hollow. A chemical refrigerant fills the hollow wall.

The refrigerant which for example can be a so called "blue ice gel" or the like has the property, once frozen, of remaining frozen for a considerable period even when exposed to summer heat.

Once the refrigerant is frozen, freshly made sandwiches can be stored in the body and kept in refrigerator fresh condition as previously described. The body is shaped and sized to fit in standard lunch boxes and constructed so that bodies can be stacked one above the other.

BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings:

FIG. **1** is a perspective view of my device; and

FIG. **2** is a cross sectional view thereof.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENT

Referring now to FIGS. **1** and **2**, a hollow rectangular

parallelpiped body **10** formed of plastic or the like has upper and lower parallel horizontal walls **12** and **14** interconnected by opposite vertical side walls **16** and by vertical end walls **18** and **20** disposed at right angles to side walls **16.** End wall **20** is formed into an access door and is hingedly secured to wall **14** at an exposed edge.

At least one of walls **12** and **14** for example wall **12** is itself hollow and contains or is filled with a chemical refrigerant **22** such as "blue ice gel" or the like.

The outer surface or portion of wall **12** can have a coating **24** of material which is an excellent thermal insulator or can be otherwise treated to prevent condensation of water thereon.

Body **10** is sized to fit in a standard size lunch box. Bodies can be readily stacked as desired.

While I have described my invention with particular reference to the drawings, such is not to be considered as limiting its actual scope.

Having thus described this invention, what is asserted as new is:

1. A device made to fit in standard size lunch boxes for keeping sandwiches in refrigerated fresh condition, said device comprising:

a hollow rectangular plastic parallelepiped body having first and second vertically spaced parallel horizontal walls interconnected by vertical side and end walls, one of the vertical walls including an access door, the upper horizontal wall being hollow and having an outer portion which is thermally insulated; and

a permanent chemical refrigerant material filling the hollow wall.

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