Oct. 29, 1957 L. O. FORMOSO 2,811,020

ROTATABLE REFRIGERATOR CABINET HAVING PLURAL COMPARTMENTS

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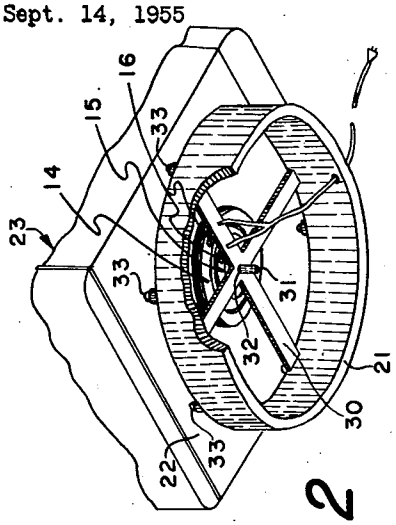


Fig. 2

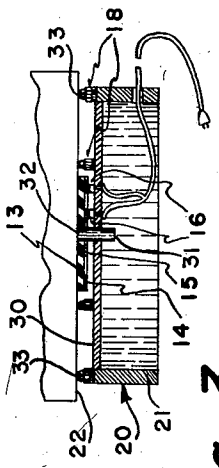


Fig. 3

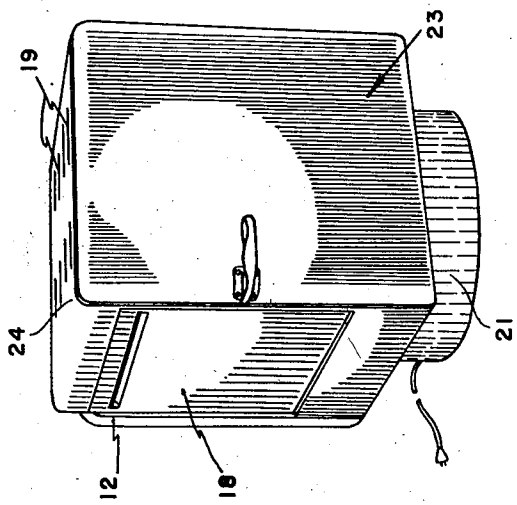


Fig. 1

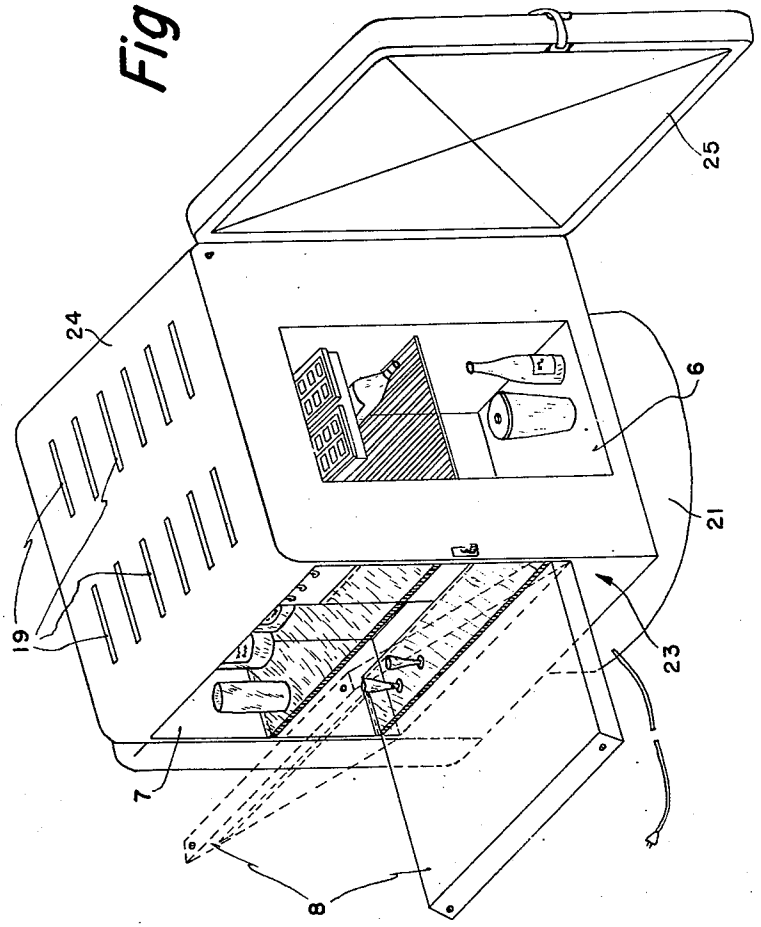
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Fig. 4



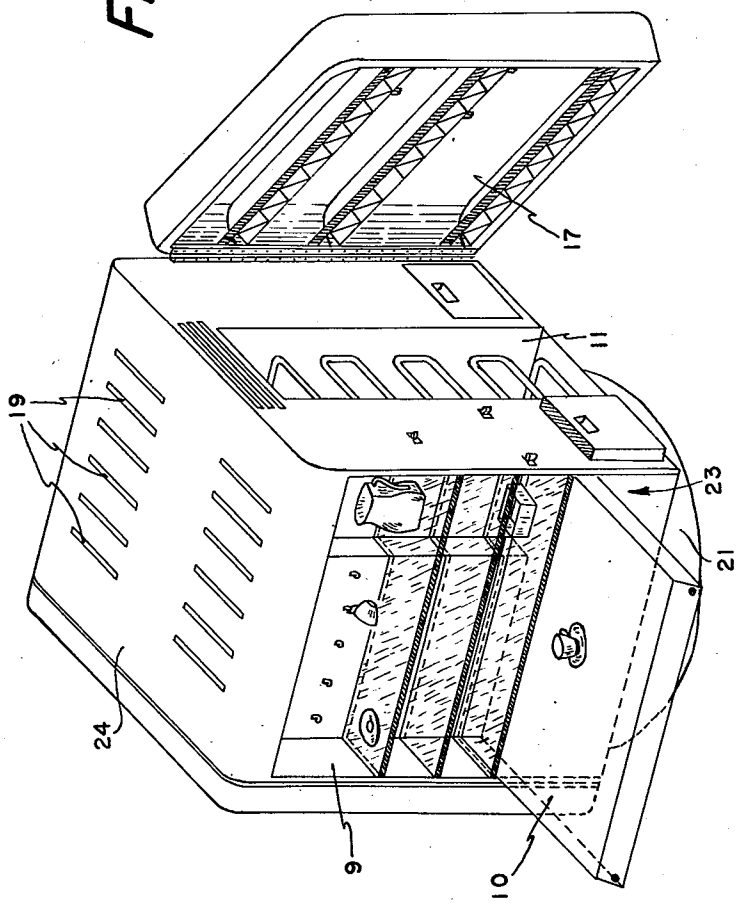
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Fig. 5



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2,811,020

ROTATABLE REFRIGERATOR CABINET HAVING PLURAL COMPARTMENTS

Leonardo Obregón Formoso, Mexico City, Mexico

Application September 14, 1955, Serial No. 534,363

2 Claims. (Cl. 62—89)

This invention relates to certain useful improvements in refrigeration, different from anything previously known and characterized in that all of the useful sides or faces or the refrigerator, including the upper portion thereof, will be employed for different uses. Thus, one of such sides or faces will be the refrigerating space, with all the necessary elements for the perfect operation thereof; a second side or face will be preferably used as a small bar; a third side or face, as a small cafeteria, and the fourth, as a sideboard or pantry. Moreover, the top or upper portion of the refrigerator will be adapted to provide conditioned air, cold or hot.

This does not mean, however, that the different sides or faces of the refrigerator, as well as the top or upper portion, cannot be used for other desired purposes, without departing from the scope of the invention, the object of this improved refrigerator being the employment of all the sides or faces thereof, as well as of its top or upper portion, for all convenient uses, such as has not heretofore been done.

The improved refrigerator of the present invention is provided with hinged and slidable doors in such a manner that they can be used as small tables on which the various objects contained in the refrigerator may be laid or disposed at will.

This improved refrigerator, moreover, will have in combination a base on which it can move freely for the above-mentioned purpose of utilizing more easily all of the sides or faces of the refrigerator, so that the user will not have to move about the refrigerator for the purpose of using one or the other sides or faces of the refrigerator, inasmuch as from any given point any side or face that is to be utilized can be approached. For this end the base of the refrigerator has a circular system that is operated by contact (in the manner of a trolley). This will permit the constant passage of electricity into the refrigerator, even when the latter is being moved from one site to another.

The characteristic details of the invention will be clearly shown in the following description and the accompanying drawings given as an illustration thereof, similar reference numbers being there used to indicate the same parts in the five figures shown.

In these drawings:

Fig. 1 illustrates the refrigerator closed, seen in conventional perspective;

Fig. 2 illustrates the base of the refrigerator seen from below and clearly showing the contact (trolley-like) circular system that permits the passage of electricity into the refrigerator;

Figure 3 is a design showing the electric contact and rotation system of the refrigerator;

Fig. 4 shows the refrigerator open in two of its faces or sides, in conventional perspective, showing in one of such faces or sides the refrigerator cabin, and in the other the place preferably to be used as a small bar;

Fig. 5 illustrates the refrigerator open, showing the other two faces in conventional perspective, which faces

will be utilized preferably one as a small cafeteria and the other as a pantry. This figure clearly shows, besides, the outlets or means in the upper and rear portions of the refrigerator for letting out the conditioned air.

Referring to the drawings, the refrigerator comprises a base indicated by the numeral **20** and including a rim **21** which has its lower end adapted to rest upon a floor surface. A chest including a bottom **22**, an upstanding four-sided enclosure **23** rising from said bottom, and a top **24** closing the upper end of said enclosure, is positioned so that the bottom **22** straddles the rim **21** of the base **20**. The sides of the enclosure **23** are designated first, second, third and fourth sides, and are indicated by the numerals **6**, **7**, **9** and **11**, respectively. The first side **6** has a food storage chamber therein, and an openable and closable door **25** bridges and closes the side **6**, the door being hingedly connected along one of its vertical edges to the side **6**.

The second side **7** of the chest has a refreshment storage chamber therein, and an openable and closable door **8** bridges and closes the side **7**, the door being hingedly connected along the lower horizontal edge to the side **7**. The third side **9** of the chest has a food storage chamber therein, and an openable and closable door **10** bridges and closes the side **9**, the door being hingedly connected along the lower horizontal edge to the side **9**. The fourth side **11** of the chest has the refrigerant unit chamber therein, and an openable and closable door **12** bridges and closes the side **11**, the door being hingedly connected along one of its vertical edges to the side **11**.

A brace **30** is horizontally disposed within and is secured to the rim **21** of the base **20**, as shown most clearly in Figure 2. A guide pin **31** is carried by the chest bottom **22** and extends loosely through a hole **32** provided in the center of the brace **30**.

Means is provided for connecting the chest bottom **22** to the rim **21** for free rotation of the chest about the rim **21** as an axis. Specifically, this means embodies a plurality of ball bearings **33**, Figure 2, arranged in spaced relation about and carried by the upper end of the rim **21**, the ball bearings **33** bearing against and supporting the bottom **22** of the chest.

Figs. 2 and 3 clearly show the electric system permitting the refrigerator to be moved from one site to another, said electric system consisting of an isolated base **13** over which two concentric staples or hooks **14**, **15** are disposed and on which the trolleys **16** stub constantly transmitting electricity into the refrigerator. Numeral **18** shows the means of rotation and number **19** and conduits or vents letting out the conditioned air.

While the invention has been described with respect to a particular preferred embodiment or example which gives satisfactory results, it will be understood by those skilled in the art after understanding the invention, that various changes and modifications may be made without departing from the spirit and scope of the invention and it is intended therefore in the appended claims to cover all such changes and modfications.

What I claim is:

1. A refrigerator comprising a base and an upstanding rim having the lower end adapted to rest upon a floor surface, a chest including a bottom, an upstanding four-sided enclosure rising from said bottom, and a top closing the upper end of said enclosure positioned so that the bottom straddles the rim of said base, means connecting said chest bottom to said base rim for free rotation about said rim as an axis, the four-sided enclosure having first, second, third and fourth sides, the first side of said enclosure having a food storage chamber therein, the second side of said enclosure having a

refreshment storage chamber therein, the third side of said enclosure having a food storage chamber therein, and the fourth side of said enclosure having a refrigerant unit chamber therein, and an openable and closable door bridging and closing each of said first, second, third and fourth sides of said enclosure.

2. A refrigerator comprising a base and an upstanding rim having the lower end adapted to rest upon a floor surface, a chest including a bottom, an upstanding four-sided enclosure rising from said bottom and a top closing the upper end of said enclosure positioned so that the bottom straddles the rim of said base, means connecting said chest bottom to said base rim for free rotation about said rim as an axis, the four-sided enclosure having first, second, third and fourth sides, the first side of said enclosure having a food storage chamber therein, the second side of said enclosure having a refreshment storage chamber therein, the third side of said enclosure having a food storage chamber therein, and the fourth side of said enclosure having a refrigerant unit chamber therein, an openable and closable door bridging and closing each of said second and third sides of said enclosure and being hingedly connected along the lower horizontal edge to the adjacent one of said sides, and an openable and closable door bridging and closing each of said first and fourth sides of said enclosure and being hingedly connected along one of its vertical edges to the adjacent one of said sides.

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