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BASKET OR TRAY FOR WARMING OVENS AND LIKE COMPARTMENTS

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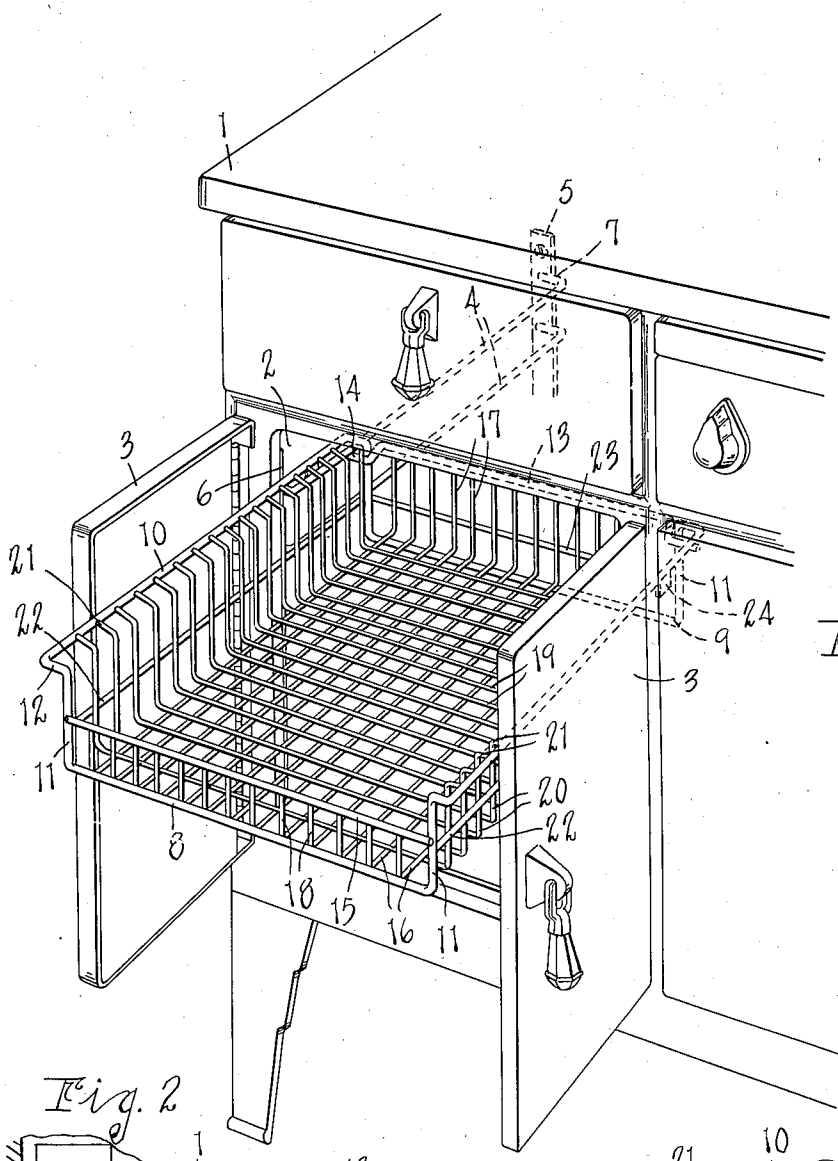
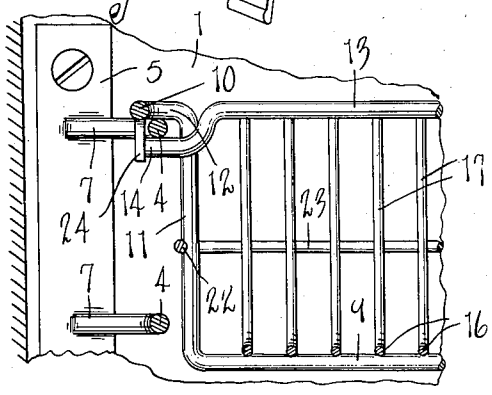


Fig. 1

Fig. 2



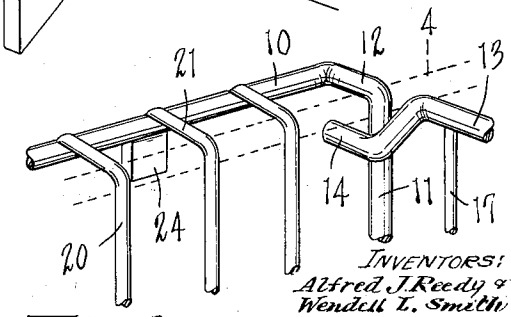


Fig. 3

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BASKET OR TRAY FOR WARMING OVENS AND LIKE COMPARTMENTS

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6 Claims. (Cl. 126—339)

The main object of this invention is to provide a basket or tray for warming ovens and like compartments in which dishes, for example, may be placed for warming or drying or for storage, the basket or tray being adapted to be withdrawn from the compartment to afford convenient access thereto for introducing or removing the dishes or other articles.

A further object is to provide a structure having these advantages which is sanitary and may be formed of quite light material and at the same time is capable of sustaining heavy loads.

Objects relating to details and economies of our invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A structure which is a preferred embodiment of our invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a fragmentary perspective view of a cooking stove or range provided with a warming oven embodying the features of our invention.

Fig. 2 is an enlarged fragmentary vertical section showing the structural details of our invention.

Fig. 3 is an enlarged fragmentary section of the tray or basket showing structural details thereof.

In the embodiment of our invention shown in the accompanying drawing, 1 represents a cooking stove or range having a warming oven compartment 2 provided with doors 3. Within the compartment we mount a plurality of supporting tracks or rails 4 disposed in opposed pairs, these rails being directly mounted on supports 5 and 6 secured on the interior of the compartment. The rails have laterally turned ends 7 secured to the supports.

We provide a wire tray or basket consisting, in the embodiment illustrated, of a one-piece or continuous frame which consists of a front bottom member 8, rear bottom member 9 and top side pieces 10. These bottom members and top side pieces are connected by the corner members or corner uprights 11 which have lateral offsets 12 at their upper ends so that the side members are offset relative to the uprights. The offsets of the rear corner member ride upon the rails while the side members ride or slide upon the front offsets of the rail.

The rear top cross piece 13 has forwardly offset ends 14 secured to the inner sides of the rear corner members with the ends projecting below the rails and coacting therewith to limit the downward tilting or prevent downward tilting of the basket when it is withdrawn and the load thereby tending to tilt the basket.

The front cross piece 15 is secured to the uprights in spaced relation to their upper ends.

The longitudinal slats 16 have upturned rear ends 17 secured to the rear bottom member 9 and the rear top piece 13 and upturned portions 18 secured to the front bottom member 8 and the front cross piece 15.

U-shaped transverse slats 19 are provided, the arms 20 of these slats having offset end portions 21 secured to the side members 10. The intermediate side pieces 22 are arranged on the outer side of the arms of the transverse slats and a rear intermediate piece 23 is arranged on the rear side of the arms 17 of the longitudinal slats.

The various parts are preferably spot-welded together at their points of contact, this resulting in a very rigid construction.

Stops 24 are welded to the side pieces to coact with the front offsets of the rails limiting the outward movement of the tray or basket.

With the parts thus arranged, we provide a tray or basket which is very strong and rigid, capable of carrying heavy loads even when made of relatively light material.

We have shown our improvements particularly as we have embodied the same for use in warming ovens of stoves and ranges. We have not attempted to describe other adaptations and embodiments as it is believed that this disclosure will enable those skilled in the art to embody or adapt our improvements as may be desired.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent, is:

1. In a basket or tray for warming oven or like compartments, the combination of supporting rails having laterally disposed portions at their front ends, a tray or basket comprising a continuous frame element consisting of front and rear bottom members, side top members and corner upright members, the top side members being outwardly offset relative to said corner members, the offsets of the rear corner members being in sliding engagement with the said rails, the top side members being in sliding engagement with said laterally disposed portions of said rails, a rear top member having forwardly offset ends secured to the rear corner members and projecting below said rails in coacting relation thereto, a front cross piece secured to the front corner members in spaced relation to the upper ends thereof, longitudinal slats having upturned ends

secured to said front and rear bottom members and said front and rear cross pieces, U-shaped transverse slats arranged on said longitudinal slats and having lateral offsets at the upper ends of their arms secured to said top side members, intermediate side pieces secured to the arms of said transverse members and to said corner members, and a rear intermediate member secured to the rear arms of said longitudinal slats and to the rear corner members.

2. In a basket or tray for warming oven and like compartments, the combination of supporting rails having laterally disposed portions at their front ends, a tray or basket comprising a continuous frame element consisting of front and rear bottom members, side top members and corner upright members, the top side members being outwardly offset relative to said corner members, the offsets of the rear corner members being in sliding engagement with the said rails, the top side members being in sliding engagement with said laterally disposed portions of said rails, a rear top member having forwardly offset ends secured to the rear corner members and projecting below said rails in coacting relation thereto, a front cross piece secured to the front corner members in spaced relation to the upper ends thereof, longitudinal slats having upturned ends secured to said front and rear bottom members and said front and rear cross pieces, and U-shaped transverse slats arranged on said longitudinal slats and having lateral offsets at the upper ends of their arms secured to said top side members.

3. A basket or tray comprising a continuous frame element consisting of front and rear bottom members, side top members and corner upright members, the top side members being outwardly offset relative to said corner members, a rear top member secured to the rear corner members, a front cross piece secured to the front corner members, longitudinal slats having upturned ends secured to said front and rear bottom members and said front and rear cross pieces, U-shaped transverse slats arranged on said longitudinal slats and having lateral offsets at the upper ends of their arms secured to said top side members, intermediate side pieces secured to the arms of said transverse members and to said corner members, and a rear intermediate member secured to the rear arms of said longitudinal slats and to the rear corner members.

4. A basket or tray comprising a continuous frame element consisting of front and rear bottom members, side top members and corner upright members, the top side members being outwardly offset relative to said corner members, a rear top member secured to the rear corner members, a front cross piece secured to the front corner members, longitudinal slats having upturned ends secured to said front and rear bottom members and said front and rear cross pieces, and U-shaped transverse slats arranged on said longitudinal slats and having lateral offsets at the upper ends of their arms secured to said top side members.

5. In a basket or tray for warming ovens and like compartments, the combination of supporting rails, a tray or basket comprising front and rear bottom members, side top members, and corner members connecting the ends of said bottom and top side members, the side members being laterally offset and in supporting sliding engagement with said rails, a rear top member secured to the rear corner members with its ends projecting below said rails and coacting therewith to limit the tilting of the tray or basket, a front cross member disposed in spaced relation to the upper ends of the front corner members, and longitudinal and transverse slats having upturned ends secured to said frame parts, the slats being disposed in crossed relation and secured together at their points of contact.

6. In a basket or tray for warming ovens or like compartments, the combination of supporting rails, a tray or basket comprising front and rear bottom members, side top members and uprights, the side members being outwardly offset relative to the uprights and in sliding engagement with said rails, a rear cross member secured to said rear corner members to project below said rails and coacting therewith to support said basket or tray against downward tilting movement on said rails, and U-shaped slats having lateral offsets at the upper ends of their arms secured to said top side members.

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