

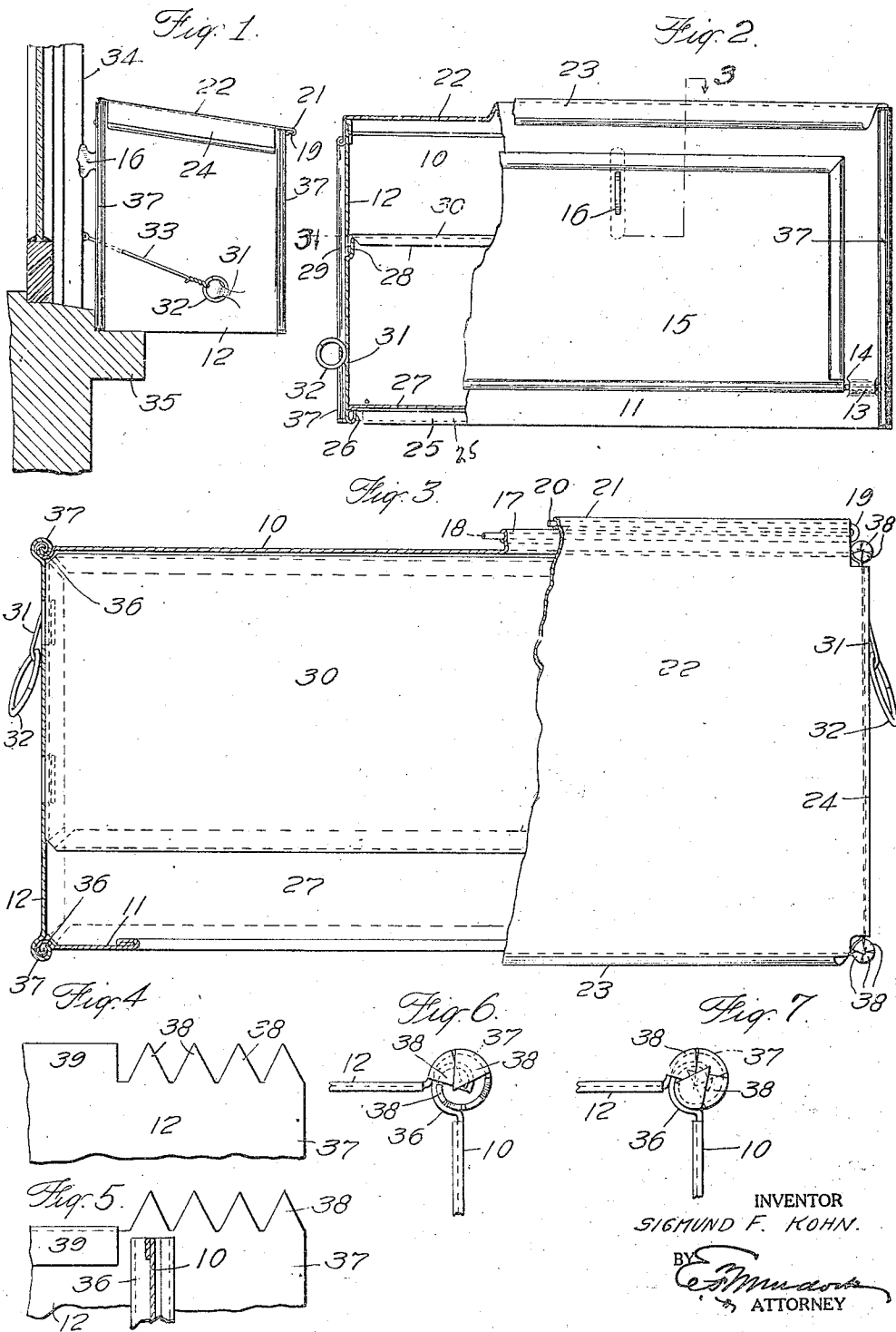
Oct. 11, 1927.

1,644,677

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FOLDING REFRIGERATOR

Filed Jan. 6, 1926



Patented Oct. 11, 1927.

1,644,677

UNITED STATES PATENT OFFICE.

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FOLDING REFRIGERATOR.

Application filed January 6, 1926. Serial No. 79,660.

Among the principal objects which the present invention has in view are:—

To provide a novel folding refrigerator adapted for mounting upon window sills and the like; to provide a novel folding hinge construction for refrigerator boxes; and generally to provide a novel and improved box and hinged wall structure.

Drawings.

Figure 1 is an end elevation of a box as mounted in a window, with the window shown in section;

Figure 2 is a front elevation of the box, partly in section to show the interior arrangement;

Figure 3 is a top plan view of the box partly in section;

Figure 4 is a plan view of a hinge blank;

Figure 5 is a substantially similar view illustrating the assembly of the hinge structure;

Figure 6 is a top plan view of a partially assembled wall hinge;

Figure 7 is a top plan view of the completely assembled wall hinge structure.

Description.

In detail the invention comprises a folding refrigerator in the form of a window box construction consisting of a flat back wall 10 and a front wall 11 connected by transversely extending end walls 12. The front wall 11 is formed adjacent the ends thereof with a pair of horizontally alined outstruck loops 13 on the outer face thereof which form bearings for the hinge pintle 14 of a door 15 carried in the front wall of the container. The door 15 is held in raised and closed position by a lock or suitable catch operated through the door carried key member 16.

The rear wall 10 of the box is formed along its upper edge, which is disposed below the upper edge of the front wall, with a rearwardly extending horizontal flange 17 looped upon itself to provide a housing for the reception of one arm 18 of a U-shaped hinge pintle 19, the other arm 20 whereof is received in a bearing formed by a flange 21 along the rear edge of a top plate 22 which extends entirely over the top of the box and is formed with a depending front flange 23 for engagement over the front of the box and also with depending end flanges 24. In this construction both arms of the hinge

pintle 19 are disposed in substantially a horizontal plane so that the cover 22 is hinged to the rear wall 10 in such manner that it may be swung back and down over the rear wall to hang in parallel relation thereto.

The bottom edge of the rear wall 10 is formed with an inturned upstanding flange 25 which cooperates with similar flanges 26 formed on the end walls 12 to support within the box a flat bottom plate 27 extending entirely across and closing the bottom of the box. Above the bottom each of the end walls 12 is formed with upstanding inwardly struck lugs 28 for supporting engagement under the end flanges 29 of a removable shelf member 30 placed within the box. The engagement of the shelf 30 with the end wall lugs 28 not only serves as a support for the shelf but disposes the shelf as a brace member extending between the end walls of the box.

Each of the end walls 12 has struck outwardly therefrom a substantially diagonally inclined holding loop 31 through which is received a ring 32 on the end of a fastening cord 33 which is secured at its free end to a window jamb 34 in such manner that the bottom of the box at its forward edge will rest on the window sill 35.

In this embodiment of the invention all of the wall sections are hingedly connected in such manner that upon opening the top plate 22 and removing the shelf 30 and bottom plate 27, the box may be folded substantially along one of its diagonals to form a flat portion for storage or transportation. In order to accomplish this result and to prevent accidental relative slipping between the component hinge members, each end of the back wall 10 and front wall 11 is formed with a curved flange 36 shaped for nesting engagement within a curved flange 37 formed at each side edge of the end walls 12, the interengaging flanges being disposed for rotation relative to one another. The top and bottom edges of the end walls 12 are formed adjacent their side edges with a series of upstanding teeth prongs 38 the points of which are disposed in a common plane with the edge 39 of the wall section. In assembling the wall sections of the box the end wall edges 39 are inturned downwardly to form reinforcing flanges leaving the flange portions 37 with the prongs 38 upstanding. The front and rear wall sections are then

applied as in the manner best shown in Figure 5 and the flanges 37 formed into interengagement with the flanges 36 of the front and rear walls whereby the hinge connection between the wall sections is obtained. Subsequently the tooth prongs 38 are bent successively inward over the interengaging flanges to be disposed in radial overlapping relation as shown in Figures 6 and 7 effectively closing the opposite ends of the hinge connection and preventing any relative slipping of the hinge sections.

I claim:—

1. A foldable container comprising a front wall, a back wall, and end walls hingedly connected along their side edges to the opposite ends of said front and back wall, a cover plate hinged to one of said walls for disposition over the container, a bottom plate detachably supported within said container, shelf supporting members formed in said end walls, a removable shelf supported on said means within said con-

tainer, means formed on said end walls for securing said container in service position, and means formed on said end walls for preventing relative slipping between said wall sections.

2. In a foldable container, a plurality of wall sections, interengaging looped flanges formed on said wall sections for hinged connection therebetween, and bendable retainers formed on and as a part of the opposite ends of certain of said flanges for preventing relative slipping between the elements of the connection when bent over the looped ends of the other flanges.

3. In a foldable container having a plurality of hingedly connected wall sections, joint securing means comprising guard members formed on certain of said sections for bending engagement over portions of the other sections for preventing endwise movement only of the sections at the joints thereof.

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