Sept. 12, 1939. O. M. ANDERSON ET AL 2,172,687

BASE FOR ELECTRICAL HOUSEHOLD APPLIANCES

Filed Dec. 1, 1938

Fig. 1

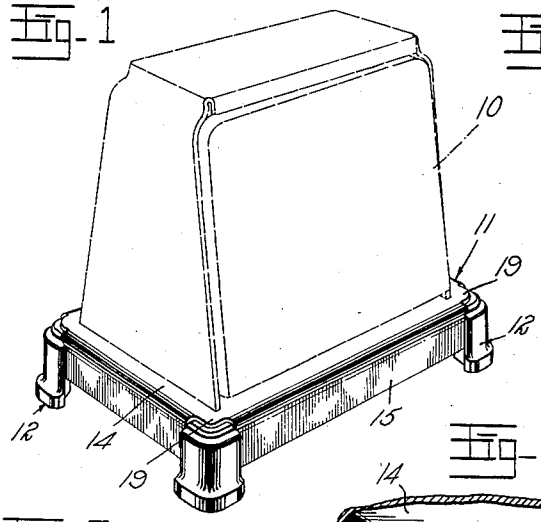


Fig. 2

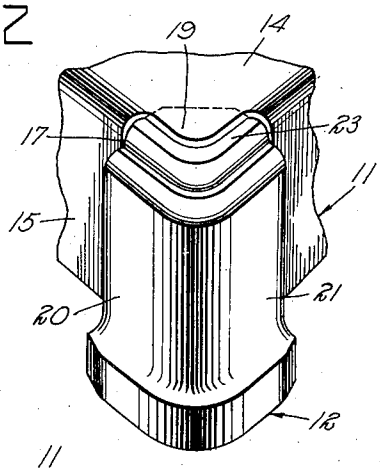


Fig. 3

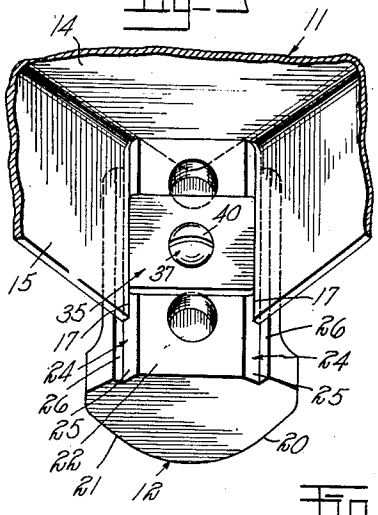


Fig. 6

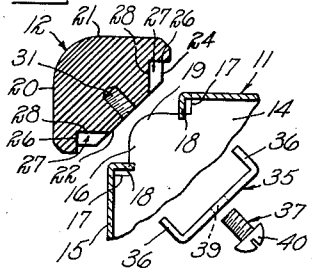


Fig. 7

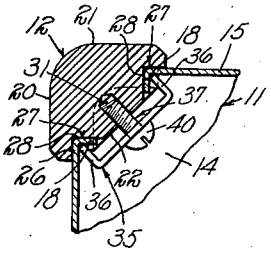


Fig. 4

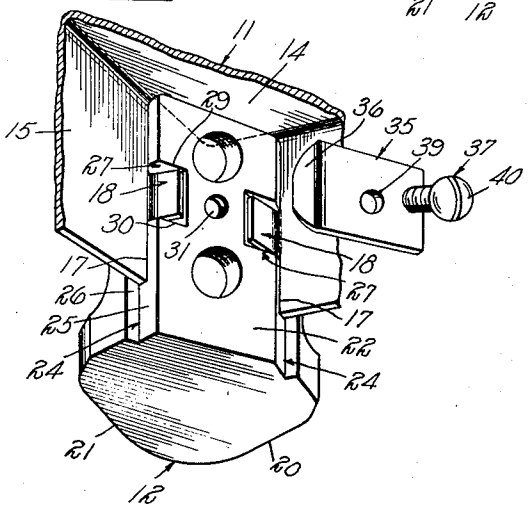
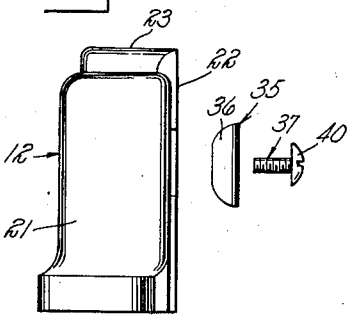


Fig. 5



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BASE FOR ELECTRICAL HOUSEHOLD APPLIANCES

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5 Claims. (Cl. 65—61)

The present invention relates to a base for electrical household appliances such as toasters, waffle irons, or portable ovens and the like, and more particularly to improved feet or legs for the base.

The present invention aims to provide an improved base for appliances of the above type having feet which can be manufactured inexpensively, are attractive in appearance, sturdy in construction and can be readily attached to the base.

Other objects will be in part obvious, and in part pointed out more in detail hereinafter.

The invention accordingly consists in the features of construction, combination of elements and arrangement of parts which will be exemplified in the construction hereafter set forth and the scope of the application of which will be indicated in the appended claims.

In the accompanying drawing:

Figure 1 is a perspective view of a toaster, illustrating an embodiment of the present invention;

Fig. 2 is an enlarged fragmentary perspective view, illustrating in detail one of the feet or legs shown in Fig. 1;

Fig. 3 is a fragmentary perspective view taken from the inside of the base, illustrating a foot attached to the base;

Fig. 4 is a perspective view, similar to Fig. 3, illustrating a foot prior to being attached to the base;

Fig. 5 is a side elevational view illustrating a foot and the parts for attaching it to the base;

Fig. 6 is a sectional view of a foot and a corner of the base and the parts for attaching the foot to the base; and

Fig. 7 is a sectional view, similar to Fig. 6, illustrating the foot secured to the base.

Referring more particularly to the drawing, there is shown in Fig. 1 an electrical household appliance, which for illustrative purposes may be a toaster, comprising a body part 10, a base 11, and feet or legs 12 secured to the base.

Preferably, the base is rectangular in shape and has a substantially horizontal upper surface 14 for mounting the body part 10, and a downwardly depending skirt or flange 15. At the corners of the flange, suitable cutaway portions, openings or recesses 16 (Fig. 6) are provided for receiving the feet 12, as about to be described. The edge portions 17 of the flange defining the openings are substantially vertical (Figs. 3 and 4) and are provided with a suitable tab 18 bent inwardly at right angles with respect to the flange (Figs. 6 and 7). The mounting surface of the base preferably is rounded at the corners 19 thereof to improve its appearance and eliminate sharp edges and the underside of the corners is adapted to abut the upper surface of the feet.

The feet preferably are substantially triangular in cross section and comprise adjacent sides 20 and 21 disposed at right angles to each other and a side 22 diagonally disposed to the sides 20 and 21 at an angle of approximately forty-five degrees. The upper surface 23 of the feet is flat and horizontal and is adapted to fit against and lie parallel with respect to the underside of the corners 19 of the base. The lower surface of the feet preferably is also flat and horizontal to provide a firm support for the base.

The diagonal side 22 is adapted to abut the corners of the flange and has substantially vertical grooves 24 for receiving the vertical edges 17 thereof. The grooves 24 preferably comprise a pair of right angularly related faces 25 and 26, with the face 25 adapted to abut the free edge of the flange and the face 26 adapted to lie against the outer surface of the flange of the base in substantially parallel relation thereto.

Intermediate the top and bottom and substantially at the mid-point, each of the grooves 24 is increased in depth to provide a recess 27 for receiving the tabs 18. The recess has a face 28 disposed at right angles to the face 26 of the groove, serving as an abutment for the tabs 18 and has upper and lower faces 29 and 30 adapted to engage the respective upper and lower edges of the tab portions to align the feet with respect to the flange and prevent relative vertical movement therebetween. The side 22 of the foot has a threaded aperture 31 located intermediate and in horizontal alignment with the recesses for receiving a screw for connecting the foot to the flange, as about to be described.

The feet are adapted to be secured to the base by a strip or bar 35, preferably having an outwardly projecting ear 36 at each end thereof, bent at right angles with respect to the strip and adapted to engage the tabs 18 of the flanges of the base. The strips are attached to the feet by a suitable screw or bolt 37 extending through an aperture 39 in the strip and threaded into the aperture 31. When the screw is threaded into the foot, the head 40 thereof urges the strip towards the foot and causes the ears 36 to engage the tabs to securely hold the tabs in the recesses. If desired, the strips may be formed of slightly bendable metal so that upon securing of the screw they bear resiliently against the head and serve

in effect as a lock washer for preventing accidental unscrewing of the screw.

It will be seen that the present invention provides an improved base for electrical household appliances which is readily made and provided with suitable supporting feet. The vertical grooves in the feet cooperate with the vertical edges of the flange of the base to hold the feet in vertical alignment, while the recesses in the feet and the tabs at the edges prevent movement of the feet in a vertical direction with respect to the base. The tabs and recesses also serve to align the feet with the corners of the base when attaching the feet. The connecting strip and screw or bolt can be readily applied to the feet without skilled labor. The base is rugged in construction and can readily withstand any rough usage to which it may be subjected.

As many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the language used in the following claims is intended to cover all of the generic and specific features of the invention herein described and all statements of the scope of the invention which, as a matter of language, might be said to fall therebetween.

Having thus described our invention we claim:

1. A base for electrical appliances of the class described, comprising a downwardly depending flange having a plurality of corners, said flange having the corners cut away to provide an opening for receiving a foot and having substantially vertical edges at the sides of the opening, a foot having vertical grooves for receiving said edges of said flange, a strip engaging said flange adjacent said edges and means for securing said strip to said foot to attach said foot to said base.

2. A base for electrical appliances of the class described, comprising a downwardly depending flange having a plurality of corners, said flange having the corners cut away to provide an opening for receiving a foot and having a tab at each side of the opening, a foot having recesses therein for receiving said tabs, a strip engaging said tabs, and means for securing said strip to said foot.

3. A base for electrical appliances of the class described, comprising a depending flange, said flange having an opening defined by substantially vertical side edges and a tab at each of said edges, a foot having vertical grooves for receiving said edges and having recesses for receiving said tabs, a strip engaging said tabs, and means for securing said strip to said foot.

4. A polygonal base for electrical appliances of the class described, comprising a downwardly depending flange provided with an opening at each corner thereof for receiving a foot, said flange having a pair of substantially vertical edges defining said opening and a tab at each of said edges extending inwardly at right angles with respect to said flange, a foot at each corner having a pair of substantially vertical grooves for receiving the vertical edges of said flange and having a pair of recesses for receiving said tabs on said edges, a connecting bar having a projection at each end thereof for engaging said tabs and having an aperture therein, and a screw member extending through said aperture and threaded into said foot to attach said foot to said base.

5. A base for a toaster, comprising a downwardly depending polygonal flange provided with a plurality of corners, said corners being cut away to provide an opening for receiving a foot and having vertical edges defining the opening, said flange having a tab at each edge located substantially at the midpoint between the top and bottom of the flange and bent inwardly at right angles with respect to the flange, a foot substantially triangular in cross section having a side wall provided with a pair of grooves having right angular related faces for receiving the edges of the flange at said opening, each groove having one face thereof provided with a recess for receiving the tab of the flange, said side wall of the foot having a threaded aperture intermediate and in horizontal alignment with said recesses, a bar having its ends bent outwardly at right angles thereto and having an aperture alignable with the threaded aperture, and a screw extending through the aperture in the bar and threaded into the aperture in the foot.

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