To all whom it may concern:

Be it known that I, Henry Price Ball, a citizen of the United States, and a resident of the borough of Brooklyn, county of Kings, city and State of New York, have invented a certain new and useful Grid or Grill, of which the following is a specification.

The invention relates to devices on which steaks, chops or the like may be broiled or grilled, and more particularly to such a device which may be employed in connection with a heating device employing alcohol as a fuel, such as is illustrated and described in the copending application for patent executed on even date herewith, but it is to be understood that the device of the invention may, in whole or in parts, be employed in connection with other forms of fuel and with or without the use of a stove or lamp.

The objects of the invention are to provide a device of the character described in which the heat will be evenly distributed over the surface; which may be in sections thereby promoting portability, the surface of which may be extended; in which leakage between the sections will be prevented; which will be cheap to construct and install; in which the greases and juices produced by cooking may be collected and saved; and which will not get out of order.

These and further objects will more fully appear in the following specification and accompanying drawings considered together or separately.

The invention is designed primarily for dining and buffet cars, but it is to be understood that it may be employed in other situations.

One embodiment of the invention is illustrated in the accompanying drawings in which like parts in all of the several figures are designated by similar characters of reference, and in which—

Figure 1 is a top plan view of the grid or grill constructed in accordance with the invention.

Fig. 2 is a section on the line 2—2 of Fig. 1.

Fig. 3 is a section on the line 3—3 of Fig. 1.

Fig. 4 is a bottom plan view of a grid or grill section, and

Fig. 5 is a section on the line 5—5 of Fig. 4.
pairs with the ledge 16 of one overlapping the ledge 15 of the other, whereby a covered joint between the members is produced and leakage between them prevented. When
the grill members are used in pairs the troughs 12 incline in opposite directions from the joint between the members, and the drain openings 13 will be at opposite sides of the hearth and in proximity to the side walls 2 of the compartment, and the drip caps will not interfere with stoves or other heating medium carried on the hearth and beneath the grill members.

In order to provide for a more equalized distribution of heat over the surface of the grill, the valleys on the underside of the grill are obliterated in part, at least whereby the plate is thickened, as at 18, and the increased mass of metal in the thickened portion or portions and the greater conductivity of heat by such portion, together with the relatively small radiating surface of the thickened portions, will more evenly distribute the heat, and to a greater distance from the directly heated portion, than will the relatively thin metal of the major portion of the plate. The greater conductivity of the portions 18 will also prevent the plate from becoming unduly heated at the point or points directly over the source, or sources, of heat, and will prevent warping of the plate.

In the embodiment of the invention illustrated in which the stove or burner above mentioned is preferably employed as the heating medium, four thickened zones are shown, each comprising a circular portion beneath which a fuel receptacle is positioned, as shown in broken lines in Fig. 1, and with a tail radiating to a corner of the grill. It is to be understood that as many portions as there are sources of heat used may be employed, or a single thickened portion having a plurality of radiating tails may be used.

In accordance with the provisions of the patent statutes the principle of the invention, together with what is now considered to be the best embodiment thereof, has been described, but it is to be understood that the apparatus described is merely illustrative, and that the invention may be carried out in other ways.

The invention having been described what is claimed and desired to be secured by Letters Patent is:

1. A device of the character described, comprising a relatively thin plate adapted to be positioned above the flame of a source of heat, that portion of the plate directly above the flame being of relatively small area as compared to the area of the plate, there being a portion of the plate thicker than the major portion thereof, said thickened portion adapted to be in vertical alignment with the source of heat.

2. A device of the character described, comprising a relatively thin plate adapted to be positioned above the flame of a source of heat, that portion of the plate directly above the flame being of relatively small area as compared to the area of the plate, there being a portion of the plate thicker than the major portion thereof, said thickened portion adapted to be in vertical alignment with the source of heat.

3. A device of the character described, comprising a plicated plate, there being portions of the valleys on the under side of the plate obliterated to form zones of greater thickness than the body of the plate.

4. A device of the character described, comprising a plicated plate, there being portions of the valleys on the under side of the plate obliterated to form zones of greater thickness than the body of the plate, said thickened portions being of comet-like form.

5. A device of the character described, comprising a plicated plate, there being portions of the valleys on the under side of the plate obliterated to form zones of greater thickness than the body of the plate, said thickened portions being of comet-like form, with the tail thereof extending toward the edge of the plate.

6. A device of the character described, comprising a plicated plate, the plications extending to opposite extremities of the plate the outer plications being incomplete, that at one side of having a downturned edge, the opposite plication having an upturned edge.

7. A device of the character described, comprising a plicated plate, supports for the said supports extending across opposite ends of the plate and at right angles to the plications thereof, one support being higher than the other whereby the plate will be pitched to drain toward one end thereof, there being a trough between the plications and the lower support and extending at right angles to the plications, said trough being lower at one end than at the other and having a drain opening at the lower end.

8. A device of the character described, comprising a plurality of plicated plates arranged side-by-side with the plications arranged side-by-side and parallel, the plication at one side of one plate having a downturned edge, the plication at one side of the adjoining plate having an upturned edge, the said downturned edge overlapping the upturned edge of the adjoining plate, and a frame for supporting the plate.

9. A device of the character described, comprising a plurality of plicated plates arranged side-by-side with the plications arranged side-by-side and parallel, the plication at one side of each plate having a downturned edge, the plication at one side of the adjoining plate having an upturned edge, the said downturned edge overlapping the upturned edge of the adjoining plate, and a frame for supporting the plate.
downturned edge, the plication of the opposite side of each plate having an upturned edge, the said downturned edge of one plate overlapping the upturned edge of the adjoining plate, and a frame for supporting the plates.

10. A device of the character described, comprising a plurality of plicated plates arranged side-by-side with the plications arranged side-by-side and parallel, the plications at one side of each plate having a downturned edge, the plication at the opposite side of each plate having an upturned edge, the said downturned edge of one plate overlapping the upturned edge of the adjoining plate, there being a trough at one end of each plate, said troughs being in alinement, the troughs of each pair of plates pitching in opposite directions, there being a drain opening in the lower portion of each trough, and a frame for supporting the plates.

This specification signed and witnessed this 8th day of September, 1920.

HENRY PRICE BALL

Witnesses:
A. STANLEY MEIKLE,
J. W. ACKERMAN.