

April 13, 1926.

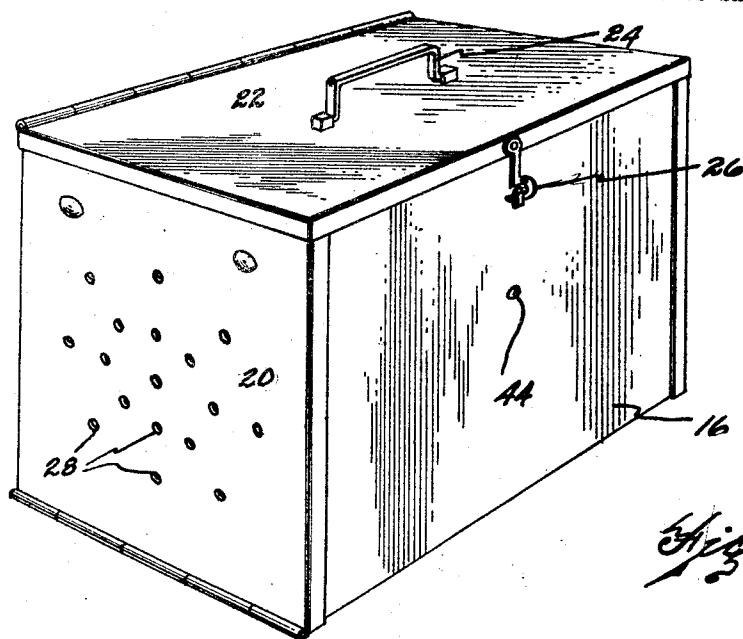
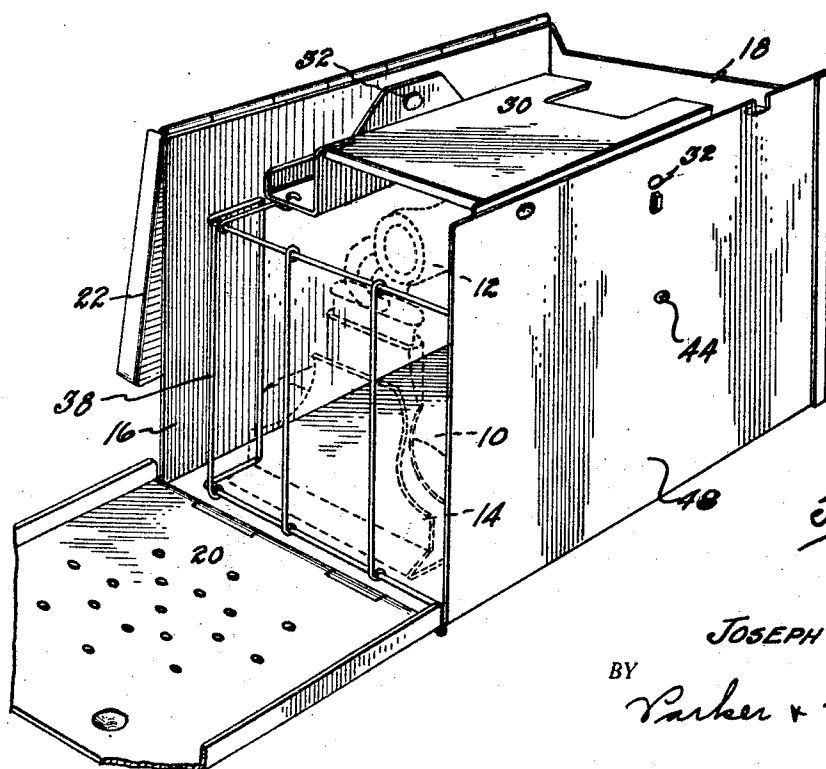
J. LAVOIE

1,580,909

COMBINATION ELECTRIC HEATER, COOKER, AND IRONER

Filed Oct. 5, 1925

4 Sheets-Sheet 1



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April 13, 1926.

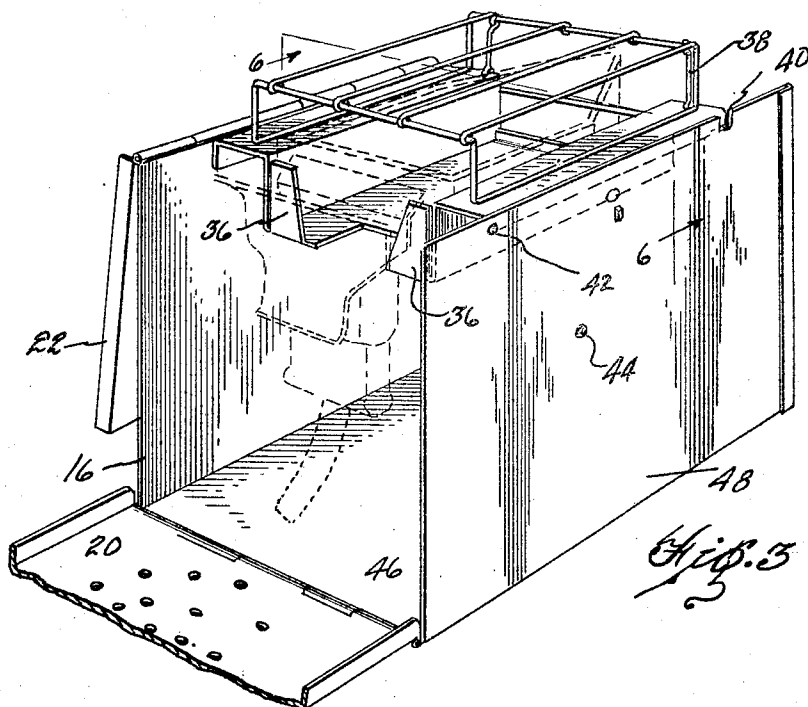
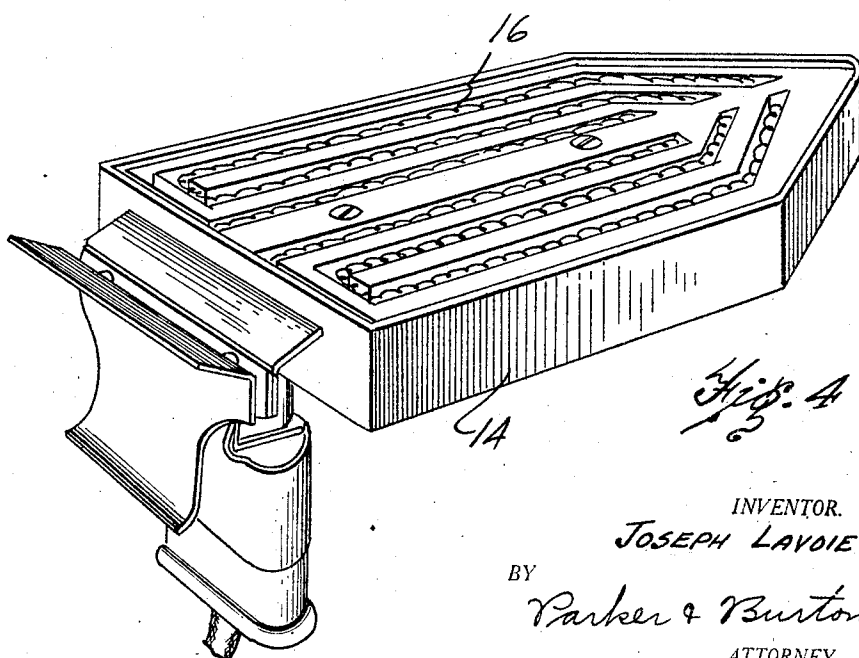
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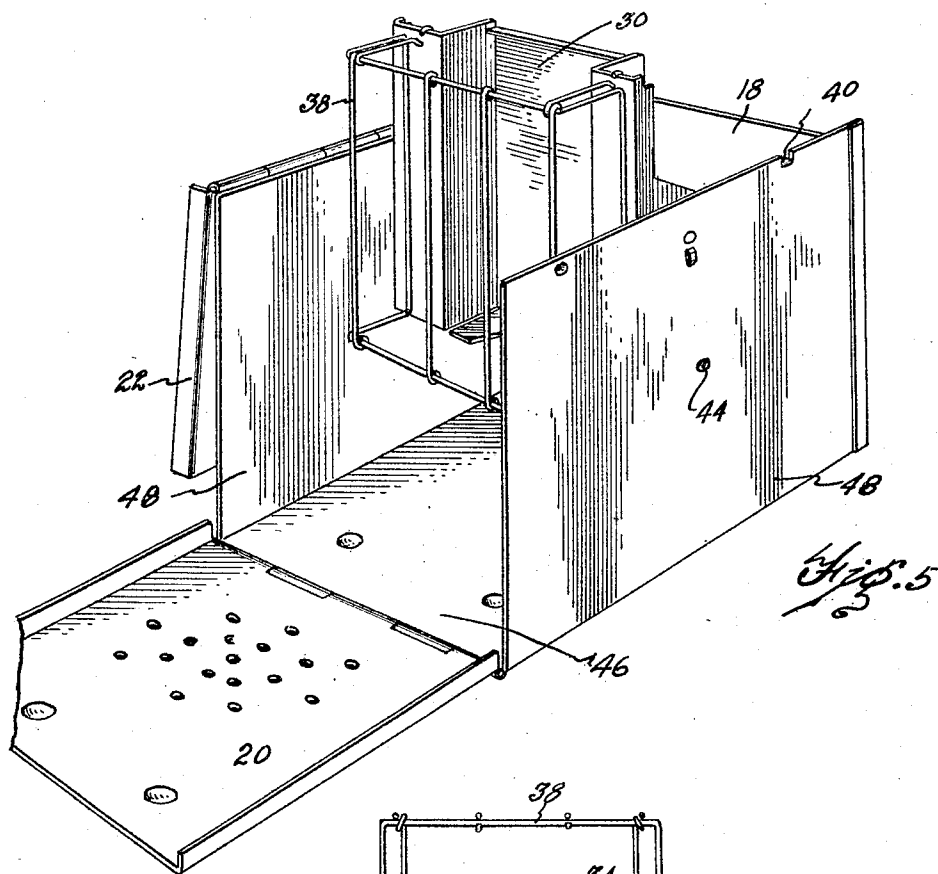
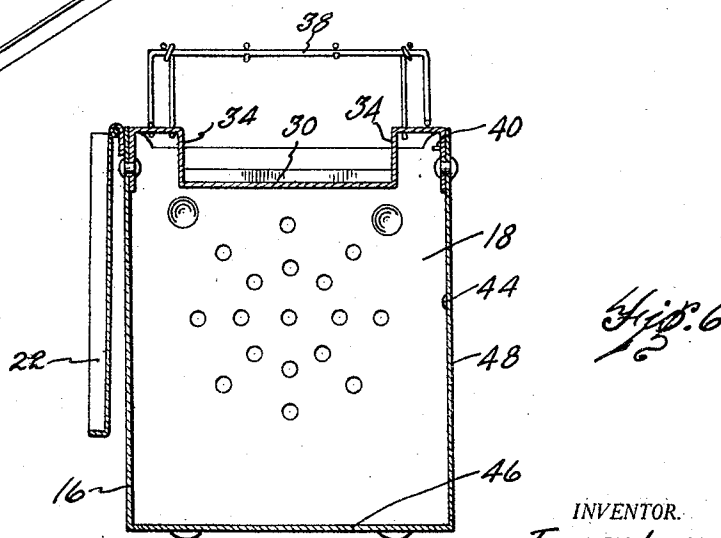
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4 Sheets-Sheet 3



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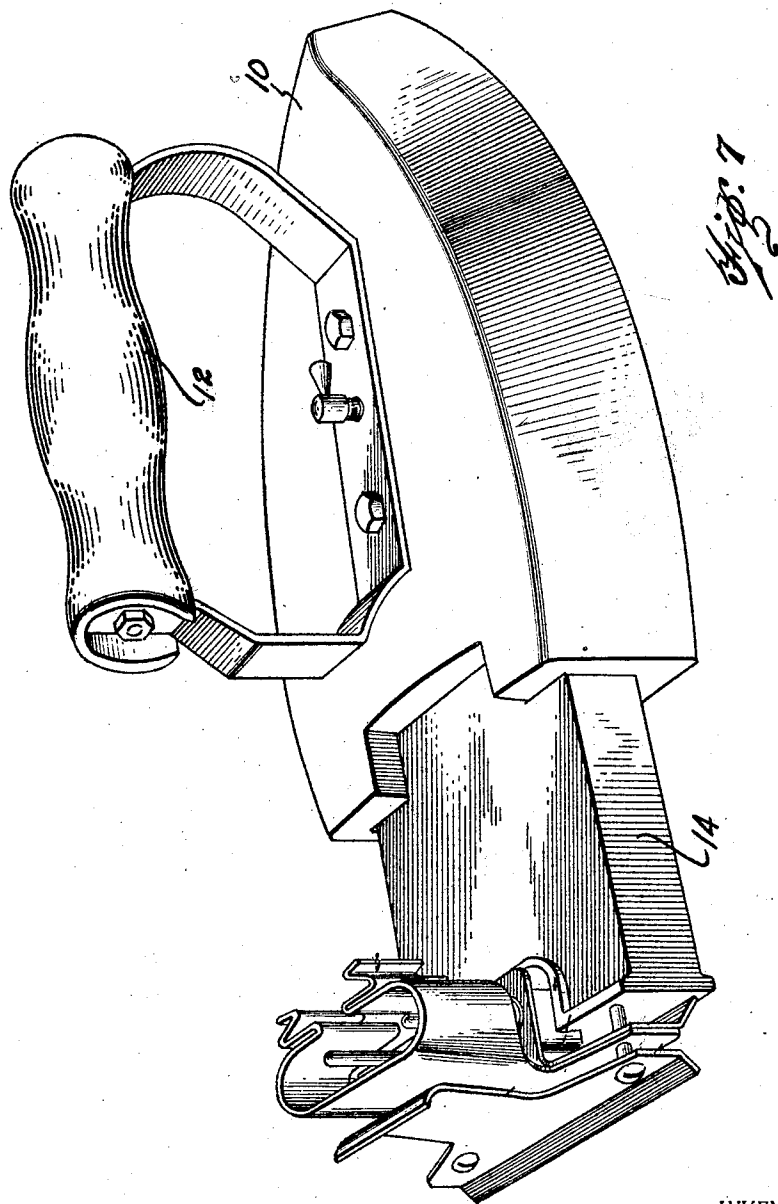
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COMBINATION ELECTRIC HEATER, COOKER, AND IRONER

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4 Sheets-Sheet 4



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Patented Apr. 13, 1926.

1,580,909

UNITED STATES PATENT OFFICE.

JOSEPH LAVOIE, OF DETROIT, MICHIGAN, ASSIGNOR TO LAVOY MANUFACTURING COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

COMBINATION ELECTRIC HEATER, COOKER, AND IRONER.

Application filed October 5, 1925. Serial No. 60,416.

To all whom it may concern:

Be it known that I, JOSEPH LAVOIE, a subject of the King of Great Britain, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Combination Electric Heaters, Cookers, and Ironers, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved combined heater, cooker and ironer, and to simple, convenient apparatus whereby it may be readily changed to serve either one of the functions for which it is intended to be used.

The object is to provide simple, positive apparatus of the character above described, comprising a self-contained portable combination outfit which may be quickly adjusted to provide an electric cooker, an electric heater, an electric iron, or a portable container within which the mechanism may be transported.

An electric iron of the character here illustrated is set forth in my Patent No. 1,491,147 dated April 22, 1924. This invention relates to improved apparatus for use in combination therewith to facilitate the employment of my invention in the many uses to which it is adapted.

In more detail the various advantageous objects and specific meritorious features will appear in the following specification, appended claims and accompanying drawings, in which:

Figure 1 is a perspective of my invention as arranged for transportation.

Fig. 2 is a perspective with the two sides of the container open.

Fig. 3 is a perspective assembled for use as a cooker.

Fig. 4 is a perspective of a heating element withdrawn from the iron.

Fig. 5 is a perspective of the container in position to receive the heating element for use as a heater.

Fig. 6 is a cross-sectional view taken on line 6-6, Fig. 3.

Fig. 7 is a perspective of my improved iron with the heating element partly withdrawn therefrom.

The detail construction of my improved

iron is set forth in my patent above referred to and does not form per se any part of the instant application. It is sufficient, therefore, to say that in the drawings 10 indicates the iron provided with a handle 12 and a removable heating element 14 adapted to be releasably secured within the iron casing and having an exposed heat radiating face 16.

I provide a container which may be of suitable metallic construction, as shown in the various figures of the drawing. In Fig. 1 the container appears in the closed position whereby it may be readily transported. It is a portable container and has a bottom provided with opposed side walls 48 and a fixed end wall 18, a swinging end wall 20 and a swinging lid 22 which as shown has a handle 24 and a latch 26 by means of which it is secured in the closed position, which also fastens the swinging end 20 in place. This container is adapted to receive the assembled iron shown in Fig. 7 and the iron appears therein in the normal position in dotted outline in Fig. 2. The ends of the container are perforated as at 28 to permit ventilation.

There is pivotally mounted within the container a platform 30. The pivot points are on opposite sides of the container at 32. This platform in the position shown in Fig. 2 permits the assembled iron to be positioned within the container underneath the platform. The platform has a central depression bounded by sides 34 and end portions 36 which receive the heating element of the iron in the inverted position, as shown in dotted outline in Fig. 3. The heating element merely rests in this depression of the platform with its heat radiating face exposed outwardly, as appears in Fig. 3.

The platform is provided with an open wire cover 38 hinged to one end thereof, which is adapted to be swung over the heating element when carried thereby. In Fig. 2 this wire cover is shown as suspended at the end with the assembled iron in place underneath the platform.

The platform is adapted to be supported at a plurality of angularly adjusted positions opposite open sides of the container. The container, for example, is provided with an ear 40 turned inwardly on one side wall which is adapted to engage the platform when in the position shown in Fig. 3 to

support the same in the horizontal position. There is also an indentation 42 inwardly of the side wall that frictionally engages the edge of the platform when it is in this horizontal position. When the platform is in the horizontal position indicated in Fig. 5, indentations 44 engage the platform to secure it in this vertical position. Any suitable method of fastening the platform in these different positions will be satisfactory.

It will be seen that when the platform is supported in the horizontal position the heat radiating face of the heating element is exposed substantially flush with the edge of the open side of the container so that a cooking vessel may rest on top of the heating element or the wire cover and that when the platform is supported in the vertical position it is substantially within the container so that the walls of the container act as a reflector to concentrate the radiant heat from the exposed side of the heating element. In this position the wire cover serves as a protective guard. In the horizontal position the apparatus may serve as a toaster, the wire cover acting as a support for the slice of bread.

The container is, therefore, so constructed and adapted to the heating element with the iron that it serves as a portable container for the assembled iron and as a support for the heating element in any one of the above described adjusted positions so that the same may be readily employed to meet any of the demands for which the apparatus is intended to be used.

What I claim is:

1. A container for a heating element, comprising an enclosure with at least one removable side, and a pivotally-supported platform within the enclosure for holding the element in different angular positions, in one of which positions it faces toward the movable side.

2. A container for a heating element, com-

prising an enclosure with removable top and end sides, and a pivotally-supported platform within the enclosure for holding the element in different angular positions, in one of which positions it faces toward the movable end side and in another of which positions it is held parallel to the top side.

3. A container for a heating element, comprising an enclosure with removable top and end sides, and a pivotally-supported platform within the enclosure for holding the element in different angular positions, in one of which positions it faces toward the movable end side and in another of which positions it is held just below the top of the enclosure to heat a vessel placed thereon when the top side has been removed.

4. A container for a heating element, comprising an enclosure with a removable top, and a pivoted platform within the enclosure which is reversible to provide a support substantially flush with the top edge of the enclosure for a cooking vessel, and with its central portion depressed to receive the heating element and hold it below the vessel and below the level of said top edge.

5. A container for a heating element, comprising an enclosure, with a supporting platform pivoted to the sides of the enclosure, and with a wire guard pivoted at one end of the platform.

6. A container for a heating element, comprising an enclosure, with a supporting platform secured to the sides of the enclosure, and with a guard pivoted at one end of the platform to be swung across one end of the enclosure or over the top of the platform.

7. A container for a heating element, comprising a centrally pivoted platform for said element, and a guard pivoted to one end of the platform.

In testimony whereof, I sign this specification.

JOSEPH LAVOIE.