W. McDONALD.

CLOTHES DRAINER.

APPLICATION FILED MAR. 28, 1910.

978,184.

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Fig. 1.

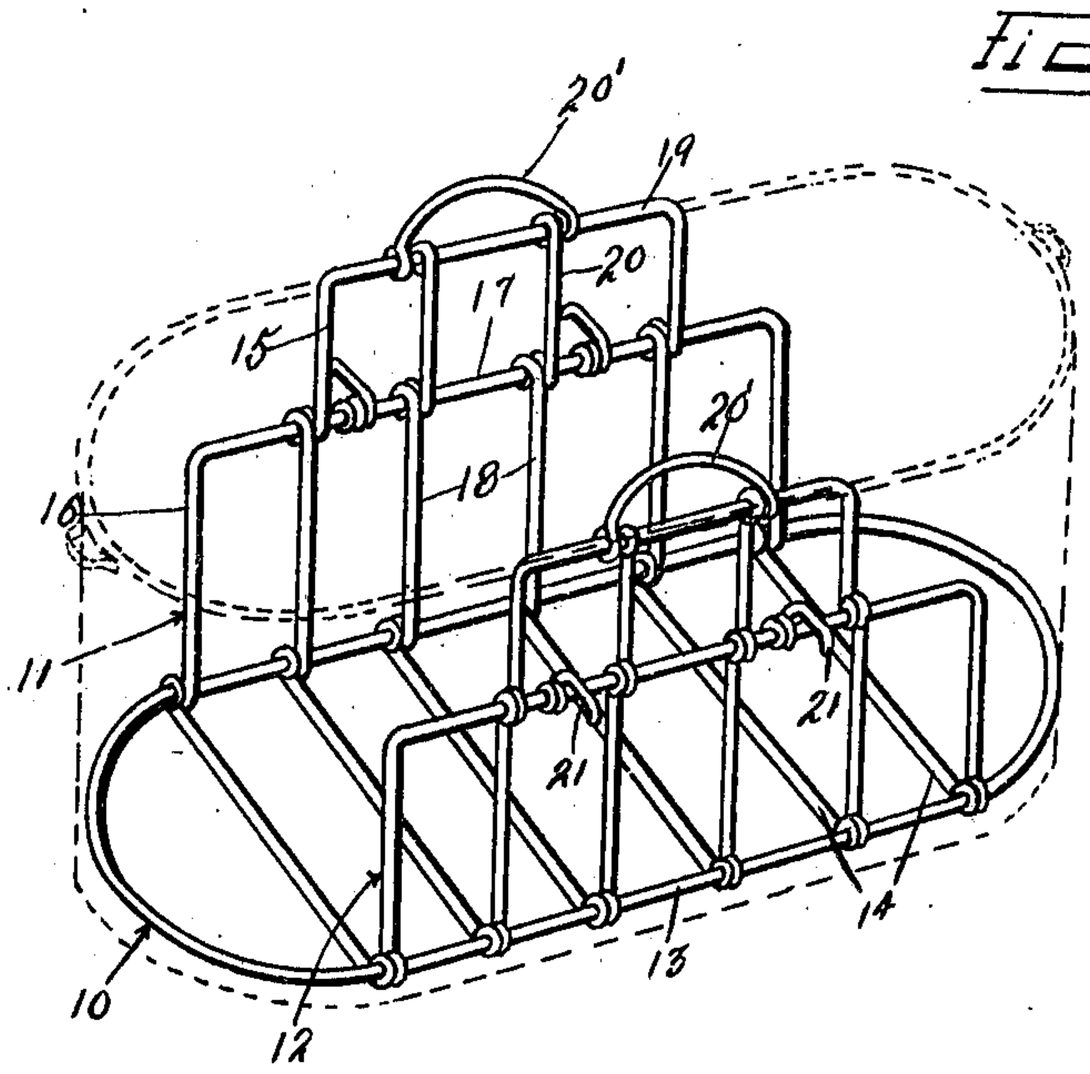


Fig. 3.

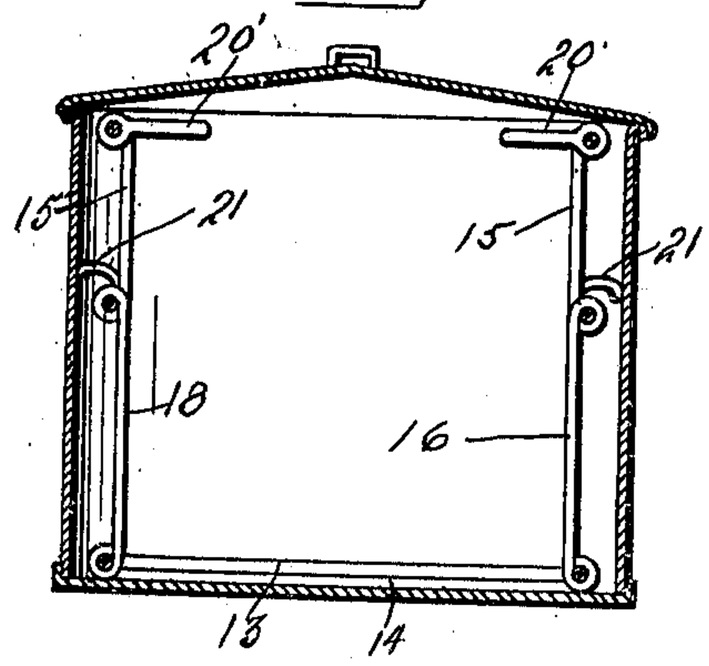
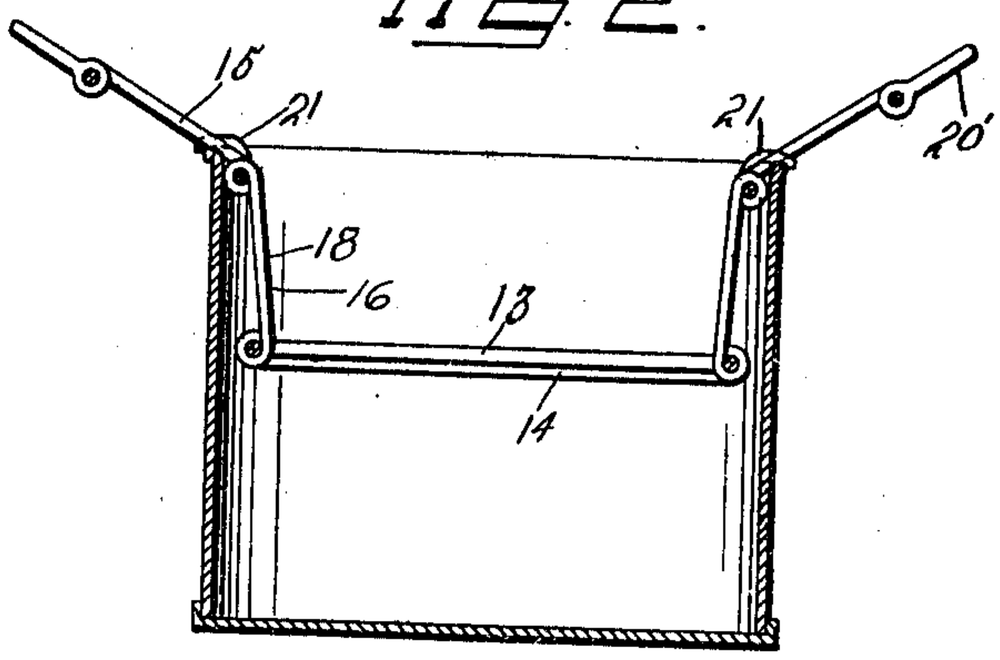


Fig. 2.



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UNITED STATES PATENT OFFICE.

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CLOTHES-DRAINER.

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To all whom it may concern:

Be it known that I, WILLIAM McDONALD, a citizen of the United States, residing at Cameron, in the county of Barron, State of Wisconsin, have invented certain new and useful Improvements in Clothes-Drainers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to clothes draining devices of that general class designed to be lowered to the bottom of the boiler while the clothes are being boiled and to be supported in an elevated position upon the boiler after the clothes have been boiled.

The object of this invention is to provide a device of this character which may be raised to its elevated position without probing among the clothes to locate the handles.

A further object is to provide a device of this character which may be folded compactly upon the bottom of the boiler when not in use.

The novelty of this invention resides in the construction of the jointed sides of the drainer, which construction will be hereinafter fully described and claimed.

In the accompanying drawing forming part of this specification, Figure 1 is a perspective view of a drainer constructed in accordance with my invention showing the boiler in dotted lines. Fig. 2 is a cross sectional view through a boiler and drainer, the latter being shown in elevated position. Fig. 3 is a cross sectional view through a boiler and drainer showing the drainer in lowered position.

Like characters of reference designate similar parts in the views shown.

The drainer comprising the subject matter of this invention consists of an oval bottom section 10 designed to rest upon the bottom of a boiler, and oppositely disposed jointed side sections 11 and 12 designed to engage the sides of the boiler and extend upwardly to the rim of the same as shown. The bottom section is formed preferably of wire mesh, a simple method of forming the bottom being to bend a single length of wire 13 into an oval of sufficient size to snugly fit within the boiler and to arrange a plurality of parallel wires 14 transversely across the oval the terminals of the wires being twisted upon the sides of the oval to permanently secure the wires in position. The side sections are likewise formed of wire mesh and since each is a counterpart of the other it is deemed sufficient to minutely describe but one of the sides. The side 11 is composed of upper and lower frames 15 and 16 pivotally connected together at their meeting edges, the lower frame 16 being also pivotally connected to the sides of the oval bottom section. The lower frame is sufficient in length to extend along the side of the boiler to the curved ends of the boiler and is preferably formed by bending a length of wire 17 U shaped and forming eyes on the terminals of this wire to loosely engage the sides of the oval wire 13. A plurality of parallel wires 18 are arranged parallel with the legs of the U shaped wire 17 and are provided at their opposite ends with eyes that loosely engage the U shaped wire and side of the oval wire 13. The upper frame is less in length than the lower frame and is preferably formed by bending a single length of wire 19 U shaped and forming eyes on the terminals of this wire to engage the wire 17 of the lower frame. A plurality of wires 20 are arranged parallel with the legs of this upper frame and are provided at their opposite ends with eyes that loosely engage the U shaped wires of the upper and lower frames. A handle 20′ formed from a single length of wire is arranged upon the U shaped wire of the top frame, this handle being provided at its opposite ends with eyes that tightly engage said wire. It is now clear that the lower frame of each side section is pivotally connected to the oval bottom section and to the upper frame, and that the handle is pivotally connected to the upper frame. A pair of hooks 21 is secured to the U shaped wire of the lower frame of each side section and have their bills projecting outwardly from the vertical planes of the sections so as to readily engage the rim of the boiler when the drainer is raised to its elevated position.

The operation of the device is as follows: The operator grasps the handles thereby causing the upper and lower frames of each side section to fall into alinement. In this position of the parts the drainer may be easily lowered into the boiler until the oval bottom section engages the bottom of the boiler. The pivoted handles are now rocked outwardly so as to engage the rim of the boiler, the clothes to be boiled placed within

the boiler in the ordinary manner. After the boiler has been filled with the clothes the handles are rocked inward and the cover of the boiler put on. When the clothes have been boiled a sufficient length of time the cover is removed and with a rod or similar tool the handles are rocked upward to the position shown in Fig. 1. The operator now grasps the handles and lifts the drainer from the bottom of the boiler until the hooks carried by the lower frames of the side section engage the rim of the boiler. In this position of the parts the clothes contained within the drainer will be raised above the surface of the water in the boiler so that the clothes will be drained without removal from the boiler. When the device is not in use the jointed side sections may be folded upon themselves and both sides folded upon the oval bottom section. The device is thus folded compactly upon the bottom of the boiler and may easily be raised to operative position when desired.

From the foregoing description taken in connection with the accompanying drawing it is thought that the construction and operation of my invention will be easily understood without a more extended explanation, it being understood that various changes may be made in the form, proportion and minor details of construction within the scope of my invention.

What is claimed is:

1. A clothes drainer consisting of a reticulated bottom section, side sections pivotally connected to said bottom section, each side section consisting of an upper and lower reticulated frame pivotally connected together at their meeting, hooks carried by said side sections, and handles carried by said side sections above the hooks.

2. A clothes drainer consisting of a reticulated bottom section, foldable reticulated side sections collapsible upon said bottom section, hooks carried by said side sections adapted to engage the rim of a boiler, and handles pivotally connected to said side sections and engageable with the rim of said boiler whereby to maintain the side sections in upright position.

In testimony whereof, I affix my signature, in presence of two witnesses.

WILLIAM McDONALD.

Witnesses:

C. H. Museus,

Ingral Egstad.