No. 871,449. PATENTED NOV. 19, 1907.

F. P. SAGER.

CLOTHES DRAINER.

APPLICATION FILED AUG. 23, 1906.

Fig. 1.

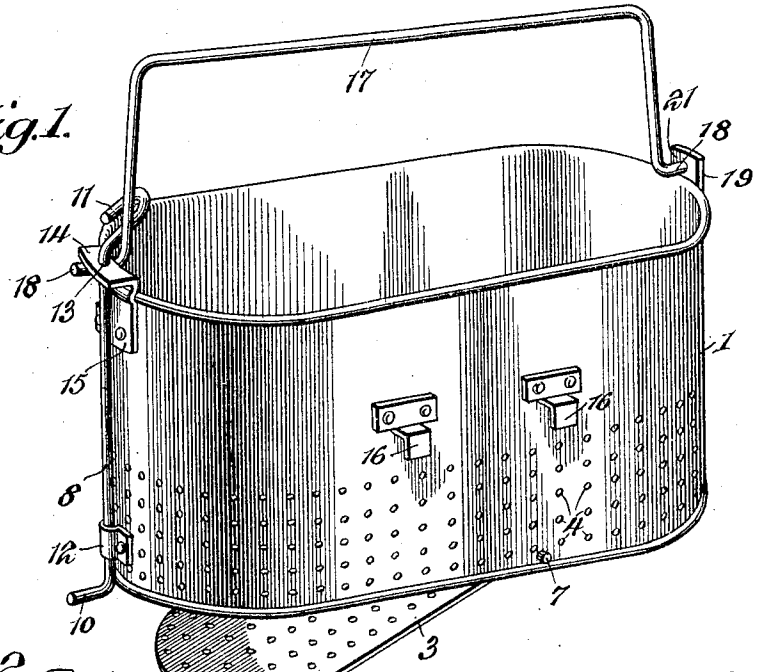


Fig. 2.

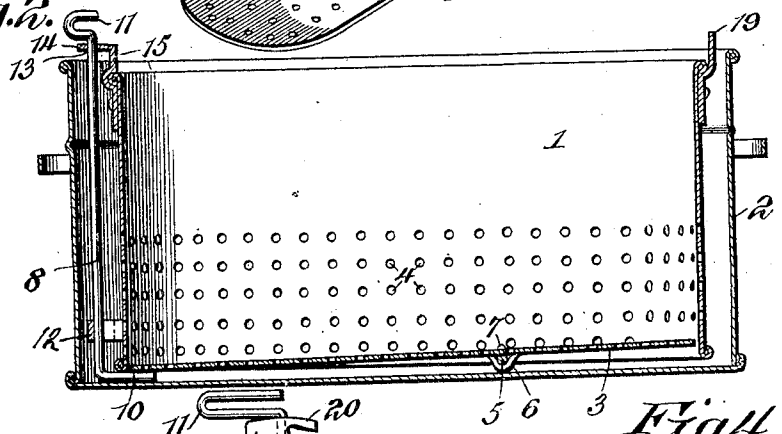


Fig. 3.

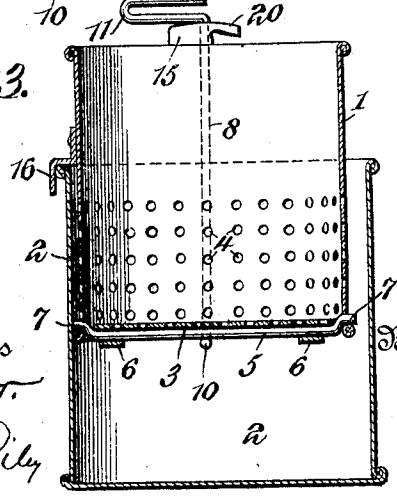
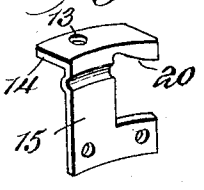


Fig. 4.



Witnesses

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CLOTHES-DRAINER.

No. 871,449. Specification of Letters Patent. Patented Nov. 19, 1907.

Application filed August 23, 1906. Serial No. 331,790.

To all whom it may concern:

Be it known that I, FRANKLIN P. SAGER, a citizen of the United States, residing at Maplewood, in the county of Shelby and State of Ohio, have invented a new and useful Clothes-Drainer, of which the following is a specification.

The invention relates to improvements in clothes drainers.

The object of the present invention is to improve the construction of clothes drainers, more especially that shown and described in Patent No. 812,884, granted to me the 20th day of February, 1906, and to simplify and cheapen the construction, and enable the perforated receptacle to be supported upon the wash boiler above the surface of the water.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a perspective view of a clothes drainer, constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view, showing the clothes drainer arranged within a wash boiler. Fig. 3 is a transverse sectional view of the same, the clothes drainer being supported in an elevated or draining position. Fig. 4 is a detail perspective view of one of the ears of the perforated receptacle.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

1 designates a perforated clothes draining receptacle, conforming to the configuration of and adapted to fit within a wash boiler 2, and provided with a pivoted tilting bottom 3. The lower portions of the sides and ends of the clothes draining receptacle are provided with perforations 4, and the bottom 3, which is also perforated, is connected with the sides of the draining receptacle by means of a transverse pivot 5, which is eccentrically arranged. The pivot, which is secured to the tilting bottom by means of metallic plates or pieces 6, divides the bottom into two unequal portions and has its terminal 7 angularly bent and arranged in suitable perforations of the sides of the clothes draining receptacle. The tilting bottom 3 is arranged within the body of the draining receptacle, and its edges are spaced from the walls thereof, as clearly shown in Figs. 2 and 3 of the drawing, which facilitates a rapid draining of the clothes. The angularly bent terminals 7 of the pivot 5 extend upwardly at the side edges of the bottom 3, and they pierce the side walls of the draining receptacle above the bottom head. The eccentrically pivoted bottom, when released, is adapted to swing open automatically under the weight of the clothes within the perforated receptacle, and the said pivoted bottom is secured in a horizontal or closed position by means of a locking or holding rod 8, arranged vertically on the exterior of one end of the clothes draining receptacle and provided at its lower end with an arm 10, adapted to extend beneath the larger portion of the pivoted bottom for supporting the same.

The upper end of the holding or locking rod is bent to form an operating arm 11, which is arranged at an angle to the lower arm 10, and which is approximately U-shaped, as shown. The holding or locking rod is arranged in a lower bearing 12, consisting of a metallic plate or piece, riveted, or otherwise secured to the clothes draining receptacle, and the upper portion of the rod 8 is journaled in a suitable bearing perforation 13 of a horizontal flange 14 of an ear 15.

When the clothes are being boiled, the perforated receptacle rests upon the bottom of the boiler, and it is provided at one side with a pair of hooks 16, which have downwardly extending bills for engaging the upper edge of one side of the wash boiler, thereby the clothes draining receptacle is supported in an elevated position above the surface of the water, to permit the clothes to drain. The hooks 16 are provided with enlarged shanks, which are riveted or otherwise secured to the clothes draining receptacle above the perforations thereof, but any other form of hook may be employed, if desired.

The clothes draining receptacle is lifted from the bottom of the boiler to the elevated position, shown in Fig. 3, by means of a detachable bail 17, extending longitudinally of the clothes draining receptacle and pro-

vided with outwardly extending terminal arms 18 at the lower ends of its sides for engaging the ear 15 and a combined bearing bracket and ear 19. The ears 15 and 19, which are secured to the exterior of the clothes draining receptacle at the ends thereof, project above the same, and are provided with rigid transversely disposed hooks 20 and 21. The ears consist of plates recessed to form the hooks 20 and 21, and the latter have transversely disposed bills provided with inclined lower edges extending downwardly from the shank portions of the hook toward the upper edges of the receptacle, and coöperating with the said upper edges to confine the outwardly extending terminal arms 18 of the bail. The said arms are adapted to be readily sprung into and out of engagement with the hooks by a lateral movement of the bail. The horizontal flange 14 is formed by bending the upper edge of the plate outwardly, and it re-inforces the engaging portion or bill of the hook. The hooks or engaged portions of the ears are located above and spaced from the upper edges of the clothes draining receptacle, and when the latter is supported by the bail, the inclined edges of the hooks effectually prevent the ends of the bail from being accidentally disconnected from the clothes draining receptacle.

It will be seen that the means for supporting the clothes draining receptacle in an elevated position, and for handling and operating the same, are exceedingly simple and inexpensive in construction, and that as the bail extends longitudinally of the receptacle, only one is necessary. Also it will be clear that as the ends of the bail are detachably interlocked with the clothes draining receptacle, the bail may be removed so that it will not become excessively heated.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A clothes drainer comprising a receptacle, a bail having terminal arms, opposite ears secured to the receptacle and recessed or cut away to provide upwardly projecting hooks having transversely disposed bills, said bills being located above the upper edges of the receptacle and having inclined lower edges extending downwardly toward and coöperating with the said upper edges of the receptacle to confine the terminal arms of the bail in the hooks, said arms being adapted to be sprung into and out of engagement with the hooks by a lateral movement of the bail.

2. A clothes drainer comprising a perforated body having side and end walls and provided with a bottom bead, a tiltable bottom arranged within the body and having its side and end edges spaced from the walls of the said body, transversely alined eyes arranged at the lower face of the bottom, an eccentrically disposed pivot arranged transversely across the bottom and passed through the eyes and dividing the bottom into unequal portions and having its terminals bent upwardly at the side edges of the bottom and piercing the side walls of the body above the bottom bead, and a vertical locking rod located at one end of the body and extending from the upper to the lower edge thereof and provided at its lower end with means for supporting the larger portion of the tiltable bottom.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

FRANKLIN P. SAGER.

Witnesses:
C. F. Bailey,
E. L. Legg.