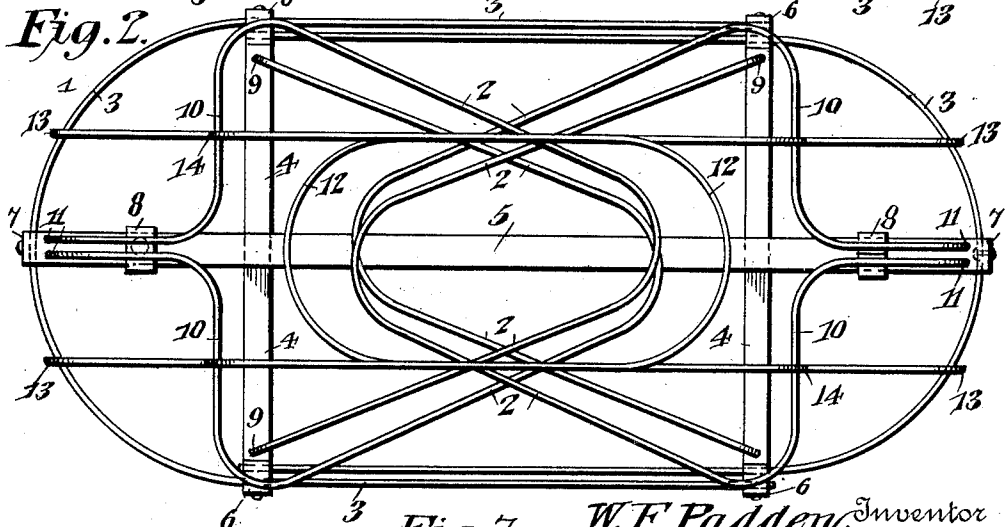
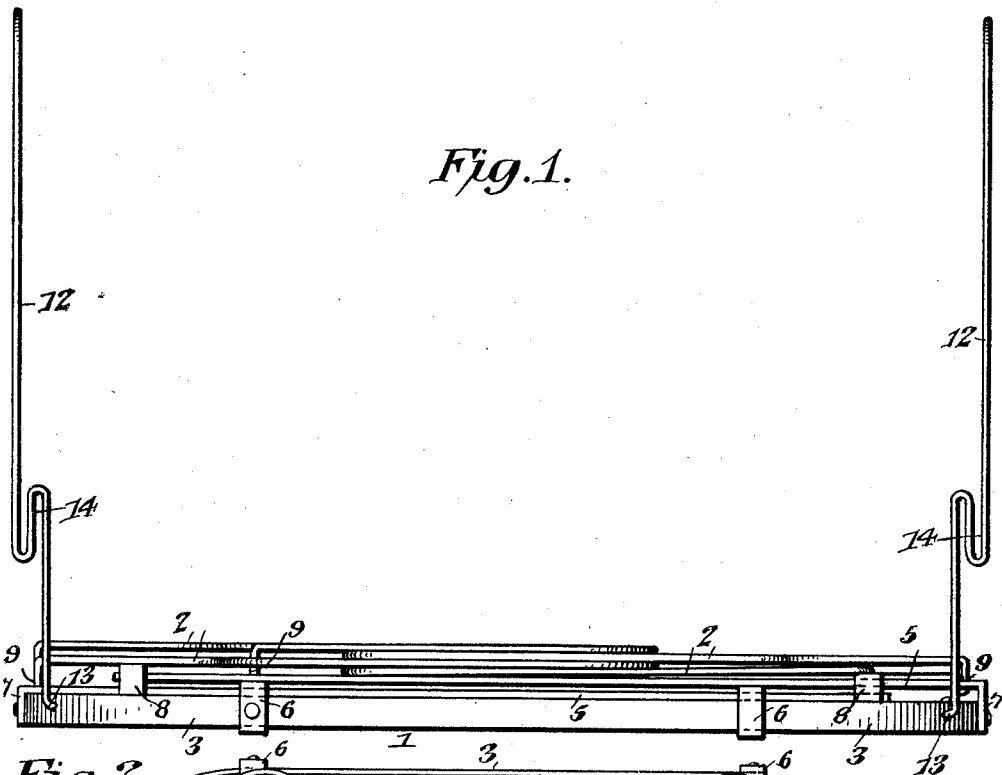


W. F. PADDEN.
CLOTHES DRAINING ATTACHMENT FOR WASHBOILERS.
APPLICATION FILED DEC. 3, 1907.

1,002,304.

Patented Sept. 5, 1911.
2 SHEETS—SHEET 1.



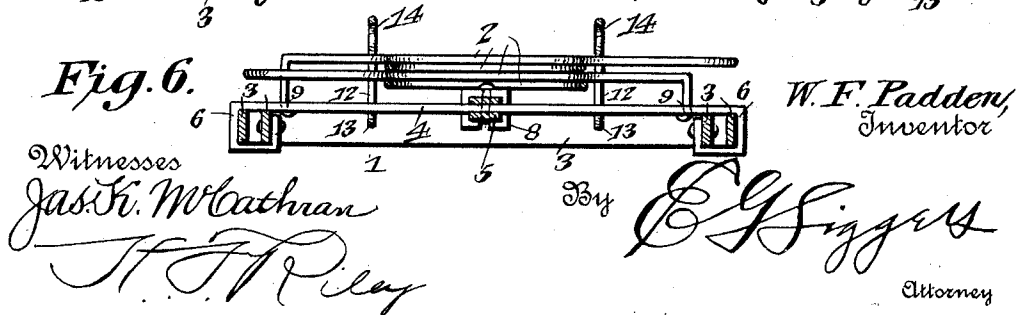
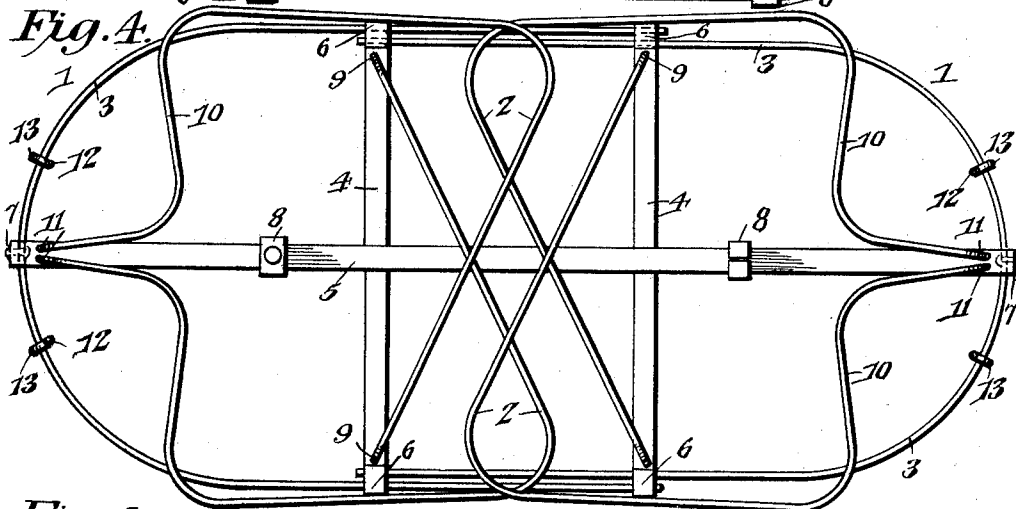
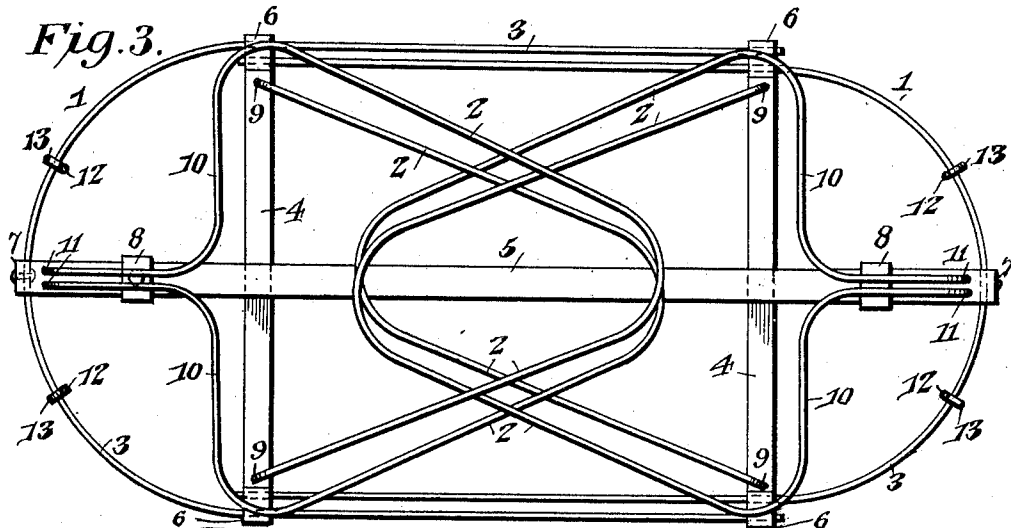
Witnesses
Jas. E. McLaughlin
J. H. P. P. P. P.
W. F. Padden, Inventor
By E. G. Siggers
Attorney

W. F. PADDEN.
CLOTHES DRAINING ATTACHMENT FOR WASHBOILERS.
APPLICATION FILED DEC. 3, 1907.

1,002,304.

Patented Sept. 5, 1911.

2 SHEETS—SHEET 2.



UNITED STATES PATENT OFFICE.

WILLIAM F. PADDEN, OF HUDSON, WISCONSIN.

CLOTHES-DRAINING ATTACHMENT FOR WASHBOILERS.

1,002,304.

Specification of Letters Patent.

Patented Sept. 5, 1911.

Application filed December 3, 1907. Serial No. 404,939.

To all whom it may concern:

Be it known that I, WILLIAM F. PADDEN, a citizen of the United States, residing at Hudson, in the county of St. Croix and State of Wisconsin, have invented a new and useful Clothes-Draining Attachment for Washboilers, of which the following is a specification.

The invention relates to improvements in clothes draining attachments for wash boilers.

The object of the present invention is to improve the construction of clothes draining attachments for wash boilers, and to provide a simple, strong and inexpensive device of this character, designed for enabling the clothes, after the same are boiled, to be readily drained and conveniently transferred from the boiler to the tub, or other receptacle containing the rinsing water.

A further object of the invention is to provide a clothes draining attachment adapted to be compactly folded, when not in use, and capable of being extended both longitudinally and transversely to adapt it for use in boilers of different sizes.

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 drawings, 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 drawings:—Figure 1 is a side elevation of a clothes draining attachment for wash boilers, constructed in accordance with this invention. Fig. 2 is a plan view of the same, the handles being folded down upon the clothes support and drainer. Fig. 3 is a plan view, the clothes drainer and support being collapsed. Fig. 4 is a similar view, showing the clothes support and drainer partially extended. Fig. 5 is a longitudinal sectional view. Fig. 6 is a transverse sectional view. Fig. 7 is a detail view, illustrating the construction of the supplemental handles or grips.

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

The clothes draining attachment for wash

boilers is provided with a clothes support and drainer, capable of being extended and contracted both longitudinally and transversely to enable it to fit boilers of different sizes. This combined clothes support and drainer includes a longitudinally extensible frame 1 and resilient adjustable loops 2, arranged in pairs at each end or half of the frame and coöperating with the same in supporting the clothes.

The frame consists of two slidably connected sections, and is composed of two substantially U-shaped interfitting members 3, connected by longitudinal and transverse bars 4 and 5. The U-shaped members, which form the sides and ends of the frame, have parallel sides, and the inner terminals of the latter are connected by the cross pieces 4, which are provided with terminal guiding loops 6, each cross piece 4 being riveted, or otherwise secured to the sides of one of the U-shaped members and slidably receiving the sides of the other U-shaped member. The terminals of the cross pieces are bent, as clearly shown in Fig. 6 of the drawings, to form the guiding loops 6.

The longitudinal bars 5 have their outer ends 7 bent at an angle and riveted, or otherwise secured to the outer curved connecting portions of the U-shaped members of the frame, and their inner portions are overlapped and are arranged above and below the cross bars 4. The inner ends of the longitudinal bars 5 are provided with guiding loops 8, each riveted, or otherwise secured to the inner end of one of the longitudinal bars and slidably receiving the other bar. The sections of the frame are slidable on each other to vary the length of the device.

The loops 2 are approximately V-shaped, each being composed of two sides and secured at its inner end 9 to one of the cross bars 4 at one side of the frame. Each loop is provided at its outer portion with a substantially L-shaped arm 10, extending transversely from the other side of the frame to approximately the median line thereof, and then longitudinally to the outer portion of the adjacent longitudinal bar. The inner end 9 of each loop 2 pierces the cross bar 4 of one of the sections of the frame, and the outer end 11 of the loop pierces the longitudinal bar 5 of the other section of the

frame, whereby the terminals of the loop are connected with the two sections of the frame. By this arrangement the loop is extended and contracted, when the sections of the frame are drawn outward or moved inward. The loops are arranged one above the other and slide freely over each other, and the said loops constitute the body portion of the frame and cooperate with the U-shaped members and the bars 4 and 5 in forming a support for the clothes. The frame and the loops provide a sufficient support for the clothes, and the open portions of the support and drainer permit the water and suds to run freely from the clothes, when the device is arranged above the surface of the water within a clothes boiler. The lateral expansion or extension of the resilient loops, which are constructed of wire, or any other suitable material, increases the width of the device simultaneously with the extension of the same in a longitudinal direction, and the device may be readily adjusted to fit boilers of different sizes. The extensible parts do not present any sharp edges to the clothes, which will not be torn by the device. Also the resiliency of the loops creates sufficient friction to retain the device in any adjustment thereof. The device is provided at each end with a substantially U-shaped handle 12, constructed of wire and provided at the lower terminals of its sides with eyes 13, which are linked into perforations of the U-shaped members of the frame, whereby the handles are hingedly connected with the frame and are adapted to fold downwardly upon the same to arrange the device compactly when not in use. The sides of the handles are provided at points intermediate of their ends with substantially sigmoidal bends 14, forming depending hooks adapted to engage the upper edge of a wash boiler.

The attachment is first placed within a wash boiler, and then the clothes are put in. After the clothes have boiled sufficiently, the device is raised by the handles and the hooks are engaged with the upper edge of the boiler. This supports the clothes above the surface of the water within the boiler, and when the clothes have drained, they may be removed from the boiler and transferred to a tub, containing the rinsing water, without permitting any water to drip upon the floor. This also obviates the inconvenience and labor of removing the clothes one piece at a time.

The attachment may be equipped with a pair of supplemental substantially U-shaped handles or grips 15, provided with terminal hooks 16 for engaging the handles 12, and adapted to be used should the said handles 12 become too hot to be grasped by the operator. The hooks are adapted to be engaged with the handles 12, and will enable

the clothes draining attachment to be readily lifted either to engage the hooks of the handle with the upper edges of the wash boiler, or to lift the attachment from the boiler or replace it therein.

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

1. A clothes draining attachment for wash boilers composed of an open longitudinally extensible frame, and loops connected with the extensible frame and extending across the same and forming supports for the clothes and arranged to be distended and contracted laterally of the device by the longitudinal adjustment of the said frame.

2. A clothes draining attachment for wash boilers composed of an open longitudinally extensible frame having sections slidably connected and held against relative lateral movement, and loops connected with and operated by the slidable sections and arranged to be extended laterally of the frame to increase the width of the device when the frame is extended, said loops being resilient and holding the sections in frictional engagement, whereby the frame is retained in its adjustment.

3. A clothes draining attachment for wash boilers comprising an open frame having slidably connected sections, and approximately V-shaped loops extending across the frame and forming supports for the clothes and connected with each of the sections and arranged to be distended and contracted by the adjustment of the frame.

4. A clothes draining attachment for wash boilers comprising an open frame having slidably connected sections, and resilient loops arranged in pairs and overlapped at the central portion of the device and forming supports for the clothes and connected with the sections of the frame and arranged to be distended and contracted in a direction laterally of the frame by the longitudinal adjustment of the sections thereof.

5. A clothes draining attachment for wash boilers comprising a frame having sections slidably connected and movable longitudinally to vary the length of the same, and a plurality of resilient loops each connected with the inner end of one of the sections and at the outer end of the other section, whereby the movement of the longitudinal sections distends or contracts the width of the loops.

6. A clothes draining attachment for wash boilers comprising a frame having sections slidably connected and movable longitudinally to vary the length of the same, and a plurality of resilient loops each connected with the inner end of one of the sections and provided with an approximately L-shaped arm connected with the outer end of the other section.

7. A clothes draining attachment for wash boilers comprising a frame composed of substantially U-shaped members, cross bars each secured to the inner ends of the sides of one of the said members and provided with guides receiving the sides of the other member, and longitudinal bars secured at their outer ends to the said members and slidably connected at their inner portions, and resilient clothes supporting loops carried by the frame.

8. A clothes draining attachment for wash boilers comprising a frame consisting of substantially U-shaped members, cross bars each secured at its ends to the sides of one of the members and provided with terminal loops receiving and forming guides for the sides of the other member, and longitudinal bars secured at their outer ends to the said members and each provided at its inner end with a guide receiving the inner portion of the other longitudinal bar, and clothes supporting loops carried by the frame.

9. A clothes draining attachment for wash boilers comprising a frame composed of slidably connected sections having longitudinal and transverse bars, and resilient clothes supporting loops each connected with the cross bar of one section and with the longitudinal bar of the other section and

arranged to be contracted and distended by the sliding of the sections.

10. A clothes draining attachment for wash boilers composed of a longitudinally extensible frame having slidably connected sections, and resilient loops arranged in pairs at the end portions of the frame, each loop being connected at its inner end to the inner end of one of the sections of the frame at one side thereof and provided at the opposite side of the frame with an arm or extension connected with the outer end of the other section of the frame, whereby the sliding of the sections of the frame on each other will distend and contract the loops transversely of the device.

11. A supporting device for use in vessels comprising a longitudinally extensible supporting means and a transversely extensible supporting means and connections between the two such that the extension and contraction of one of these means extends and contracts respectively the other member.

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

WILLIAM F. PADDEN.

Witnesses:

WILLIAM WILLIAMSON,
H. S. OFFERDAHL.