No. 737,820. PATENTED SEPT. 1, 1903.

J. C. BLIEMEISTER.

WASHBOILER.

APPLICATION FILED JAN. 2, 1902.

NO MODEL.

Fig. 1.

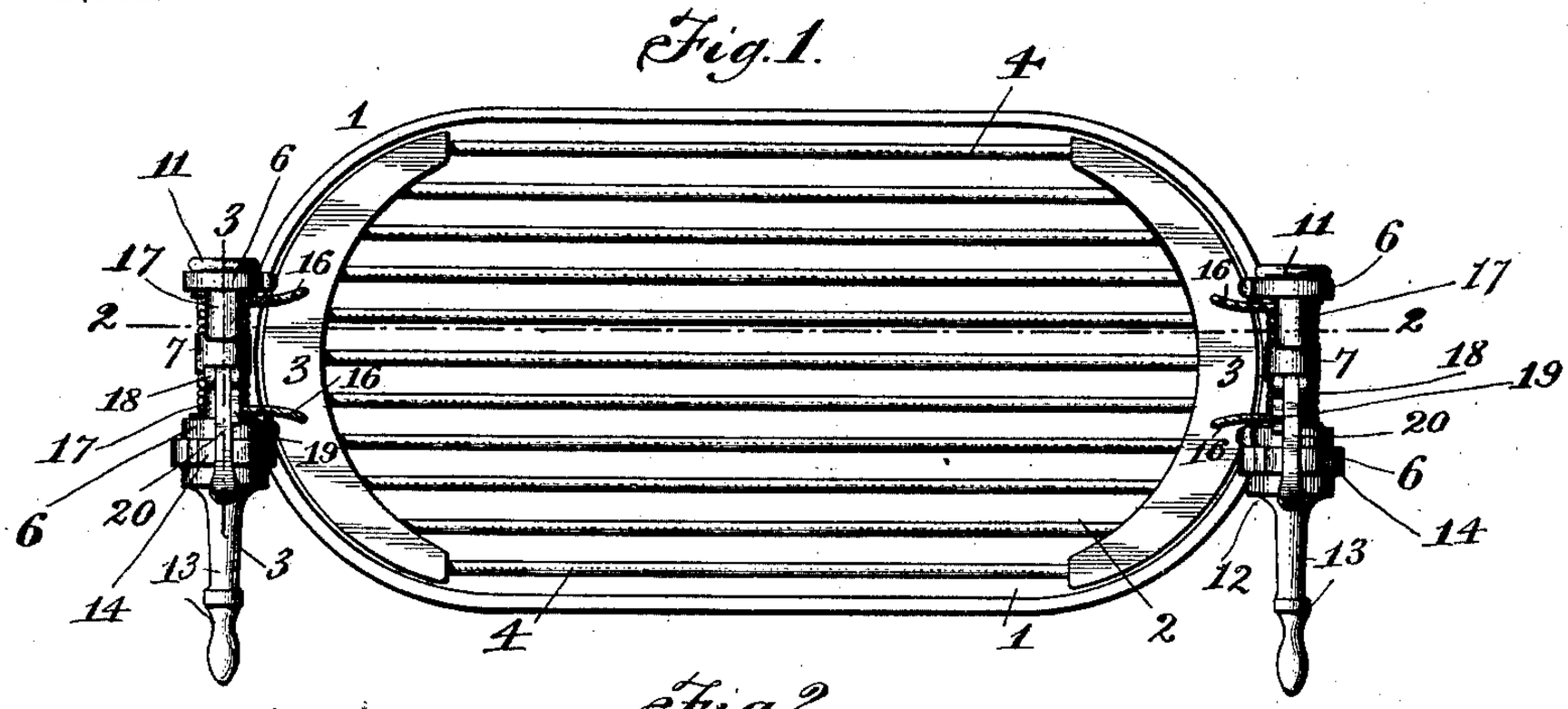


Fig. 2.

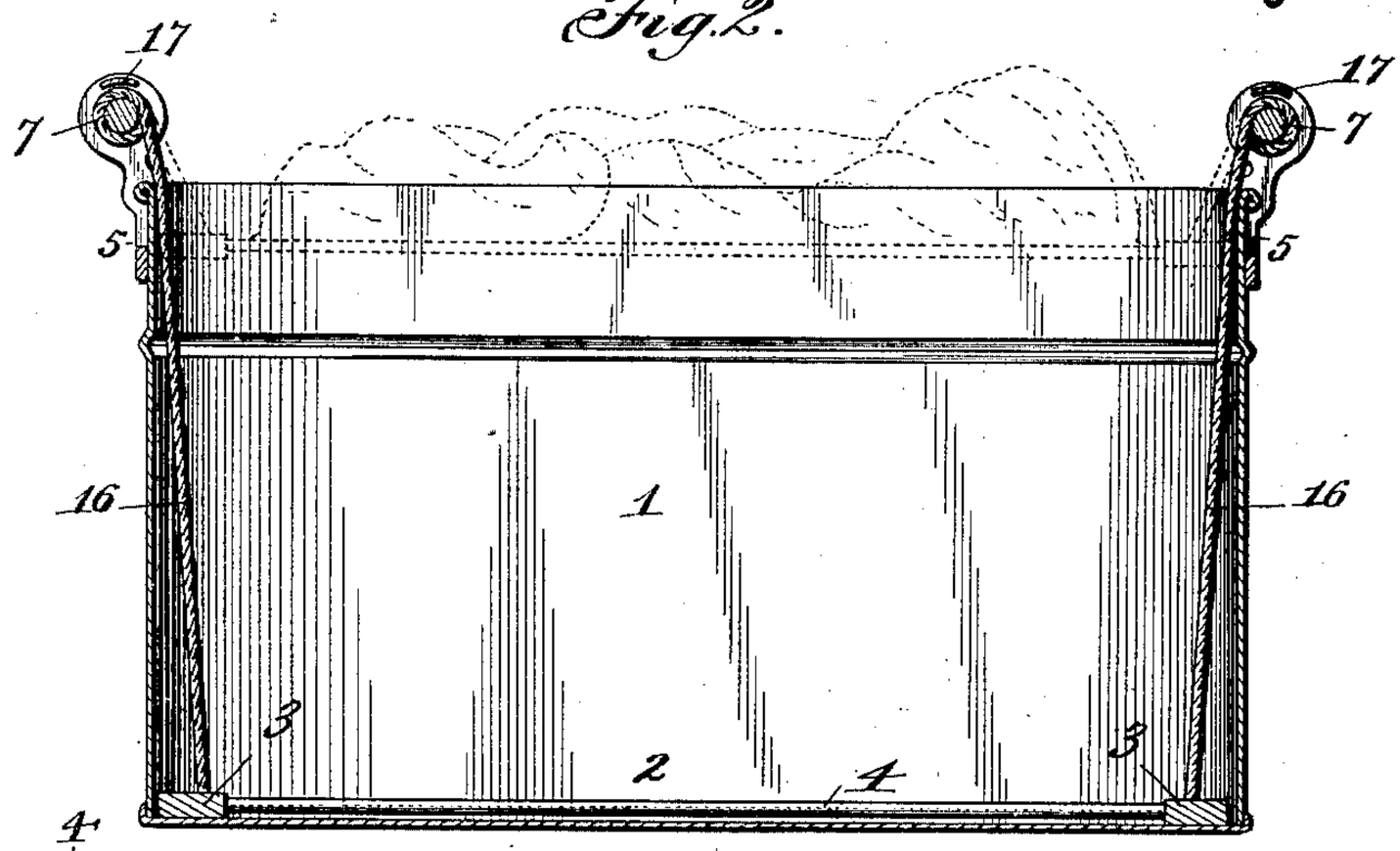


Fig. 3.

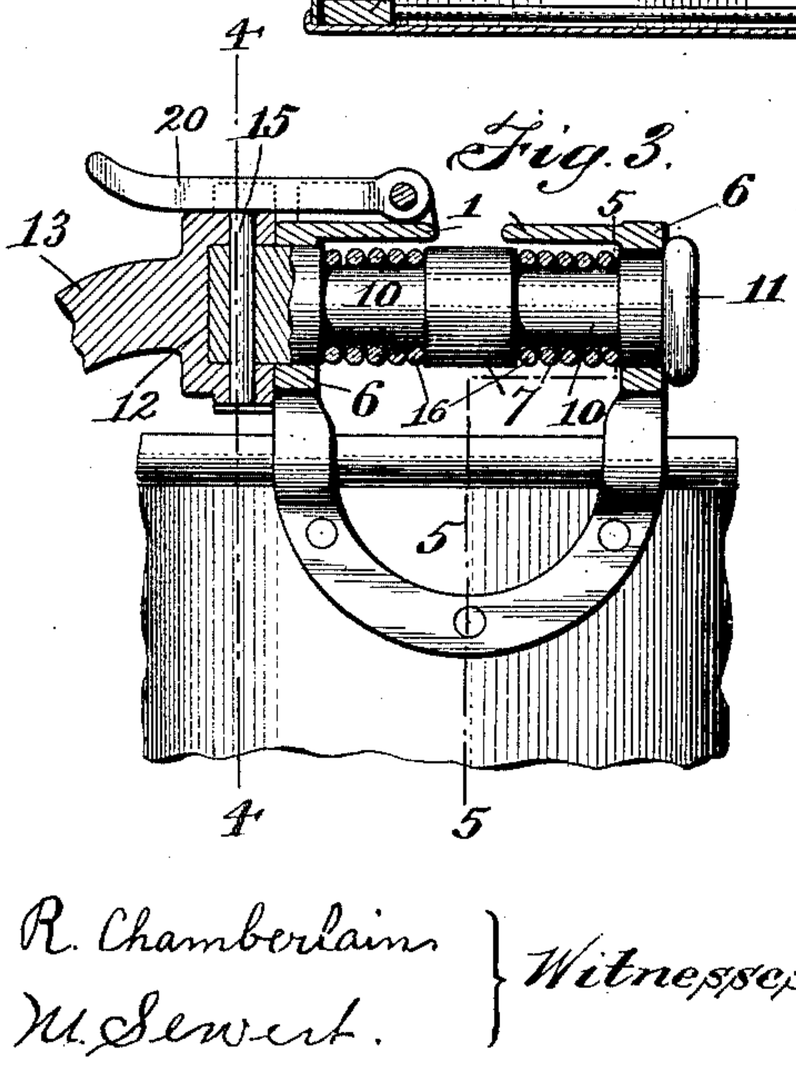


Fig. 4.

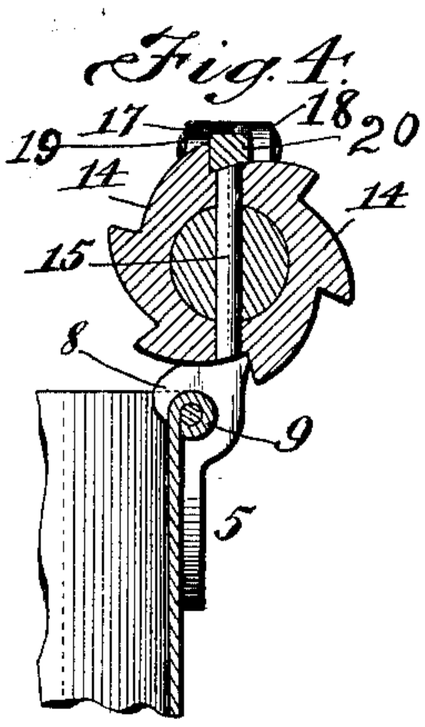
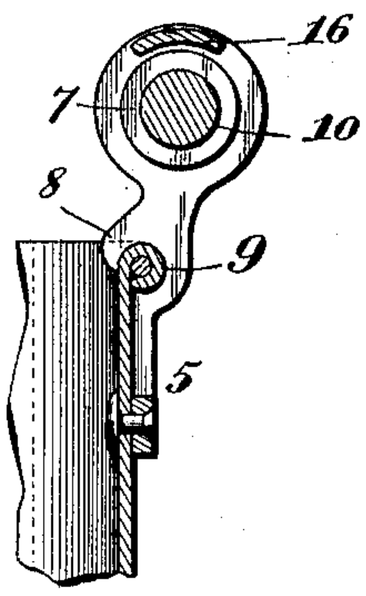


Fig. 5.



John C. Bliemeister, Inventor.

R. Chamberlain
H. Sewell. } Witnesses.

By Neuhart & Burkhart,
Attorneys.

No. 737,820. Patented September 1, 1903.

UNITED STATES PATENT OFFICE.

JOHN C. BLIEMEISTER, OF BUFFALO, NEW YORK.

WASHBOILER.

SPECIFICATION forming part of Letters Patent No. 737,820, dated September 1, 1903.

Application filed January 2, 1902. Serial No. 88,182. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. BLIEMEISTER, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Washboilers, of which the following is a specification.

This invention relates to washboilers of that type in which the clothes are supported on a drainer or false bottom capable of being elevated and lowered at will; and the object thereof is to produce such a device which is simple and durable in construction, efficient in action, and easy of manipulation and which when the drainer or false bottom is elevated will drain the clothes sufficiently to permit the same to be removed to the washtub without inconvenience in handling and without dripping and soiling the surroundings.

The elevating-rope to which the drainer is secured becomes stiff when dry, owing to its being saturated with the soapy water contained in the boiler, and cannot under usual conditions be conveniently wound around an ordinary drum, for the reason that when the clothes are removed from the boiler the drainer rises to the surface of the water and causes the rope to become slack, and that portion thereof extending out of the water which is dry and stiff tends to rise above the drum and buckle upon itself, thereby loosening up that portion of the rope which is coiled around the drum, and in the attempt to further wind up the rope it would become coiled upon itself or leave the drum entirely.

Another object of my invention is to obviate this difficulty and otherwise improve on washboilers of this type.

To this end the invention consists in the novel construction, arrangement, and combination of parts, as will be hereinafter more fully described, and pointed out in the appended claims.

Referring to the drawings, Figure 1 is a top plan view of a boiler embodying my improvements. Fig. 2 is a longitudinal section taken on line 2 2, Fig. 1. Fig. 3 is a transverse section through one of the drums or spools, on an enlarged scale, taken on line 3 3, Fig. 1. Fig. 4 is a section taken on line 4 4, Fig. 3. Fig. 5 is a section taken on line 5 5, Fig. 3.

Referring to the drawings in detail, like numerals of reference refer to like parts in the several figures.

The numeral 1 designates the washboiler, which may be of any ordinary construction and form, and in said boiler, so as to normally rest in the bottom thereof, is a drainer or false bottom 2, which may be of any form suitable to allow the clothes to drain when elevated above the water in the boiler, the preferred construction, however, being as shown in the drawings and consisting of the end pieces 3, shaped to conform to the contour of the boiler, and the connecting-bars 4, which are arranged sufficiently close together to prevent small articles from falling between the spaces formed thereby, but not to retard the boiling of the clothes.

At each end of the boiler a U-shaped bracket 5 is secured by means of rivets or by any other approved method, and in the upper extending arms of these brackets bearings 6 are formed, in which the drums or spools 7 are journaled. This forms a most substantial and rigid bearing for the drums, which for ease of operation is absolutely necessary for a device of this character, as the ordinary riveting of a common bracket to the thin metal is insufficient and under the weight of the clothes in the boiler will become loose and cause the metal end walls of the boiler to bulge outwardly. This is obviated to a certain extent by forming the brackets as described, which also keeps the bearings alined. To further secure the bracket in a rigid manner, a lip 8 is formed on each arm thereof, and these lips are designed to engage the upper edge of the boiler. Said lips also serve to a great extent to take the strain from the rivets and confine the same to the strengthening band or rib 9, usually employed on washboilers. The drums or spools 7 are each provided with a reduced portion 10 on either side of their center and an enlarged portion 11, which bears against one bearing of the U-shaped brackets. The opposite end of each drum or spool is secured in the socketed end 12 of an operating-handle 13, each of which is provided at its inner or socketed end with circumferential teeth 14, for a purpose as will presently appear. A pin 15 is driven through the inner end of each handle 13 and through the end of the drum or spool held in

the socket thereof to securely lock the two together. To each of the reduced portions of the drums or spools one of the ends of the elevating-ropes 16 is secured, the opposite ends thereof being fastened in any suitable manner to opposite ends of the drainer or false bottom at points directly beneath the said reduced portions.

Formed on the bearings of the U-shaped brackets are laterally-opposed retaining-ears 17, which extend over the reduced portions of the drums 7 and act as guides to confine the ropes to said reduced portions, but which serve mainly to prevent the buckling of the rope, which when dry and stiff tends to rise above the drums. They also serve to prevent the uncoiling of the rope in its tendency to rise above the drum when the clothes are removed from the boiler and the rope is slack. This arrangement adds materially to the easy manipulation of the device, as well as absolutely preventing the ropes from being wound upon themselves. In addition to this the brackets with these retaining-ears form convenient handles should it be desired to remove the drums, the drainer, and their connections from the boiler, which would permit the use of the same in the ordinary manner. On the outer face of the laterally-opposed ears adjacent to the operating-handles lugs 18 and 19 are formed, and between each pair of these lugs a vertically-swinging pawl 20 is pivotally secured, the outer free end thereof being designed to engage the teeth 14, formed on the operating-cranks, and thus hold the drainer or false bottom in any desired position, depending to a certain extent on the quantity of clothes contained in the boiler. Owing to the fact that in holding the clothes in an elevated position considerable strain is applied to the pawls 20, I have made the lugs 19 considerably longer than the lugs 18, and against these lugs the said pawls bear, and are thereby relieved of most of the strain applied thereto.

In elevating the clothes the operating-handles are turned in opposite directions, which causes the pawls 20 to ride over the teeth formed on the handles, and as the clothes are elevated to the point it is desired to hold them one of the teeth of each handle will engage the pawls and prevent the lowering of the clothes.

Having thus described my invention, what I claim is—

1. The combination with the washboiler, of a drainer confined therein, brackets secured to opposite ends of said boiler and each having a hook or clip on its inner side engaging the upper edge of the boiler, drums journaled in said bearings, flexible connections between said drums and the drainer and means for revolving said drums whereby the drainer may be elevated to any desired position.

2. The combination with the washboiler, of a drainer confined therein, U-shaped brackets secured to opposite ends of said boiler and each having a bearing on the upwardly-extending arms thereof and a hook or clip on the inner side of each arm engaging the upper edge of the boiler, drums journaled in said bearings, means for revolving said drums and elevating-ropes connecting said drums with the drainer, whereby the latter may be elevated to any desired position on turning said drums or spools, substantially as set forth.

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

JOHN C. BLIEMEISTER.

Witnesses:
CHAS. F. BURKHARD,
EMIL NEUHART.