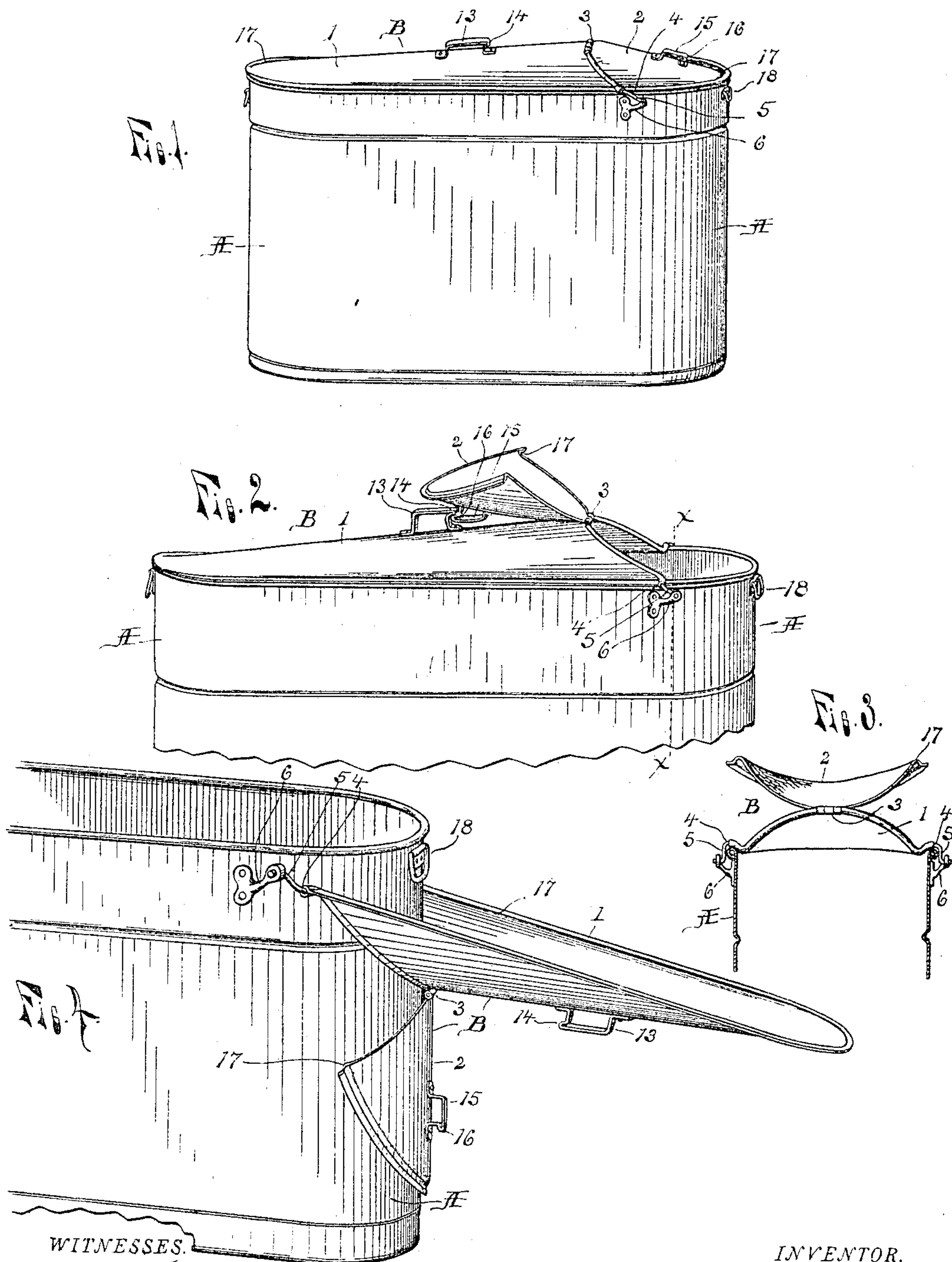


No. 799,112.

PATENTED SEPT. 12, 1905.

A. R. THOMAS.
WASHBOILER COVER.
APPLICATION FILED MAY 16, 1904.

2 SHEETS—SHEET 1.



WITNESSES.

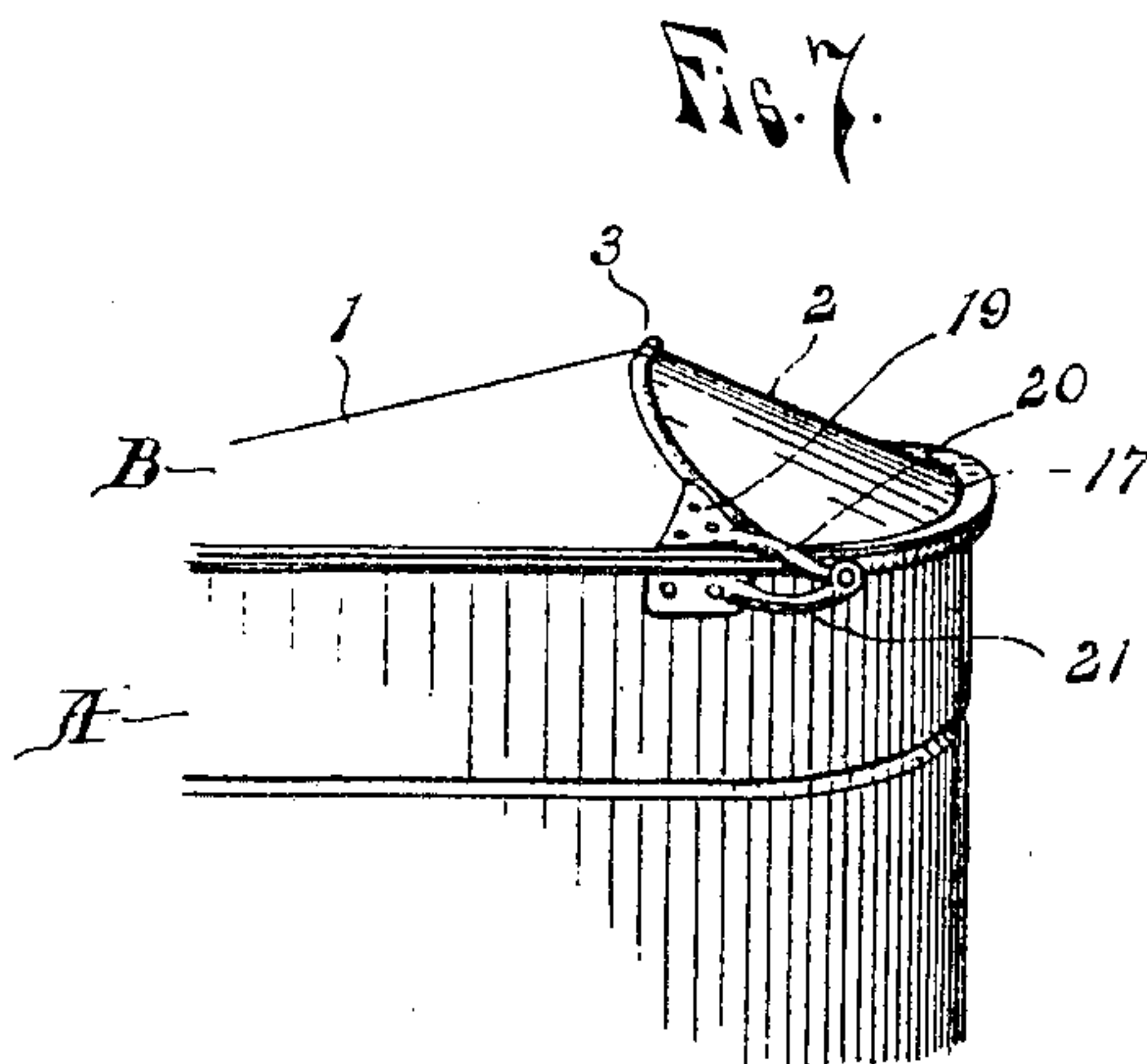
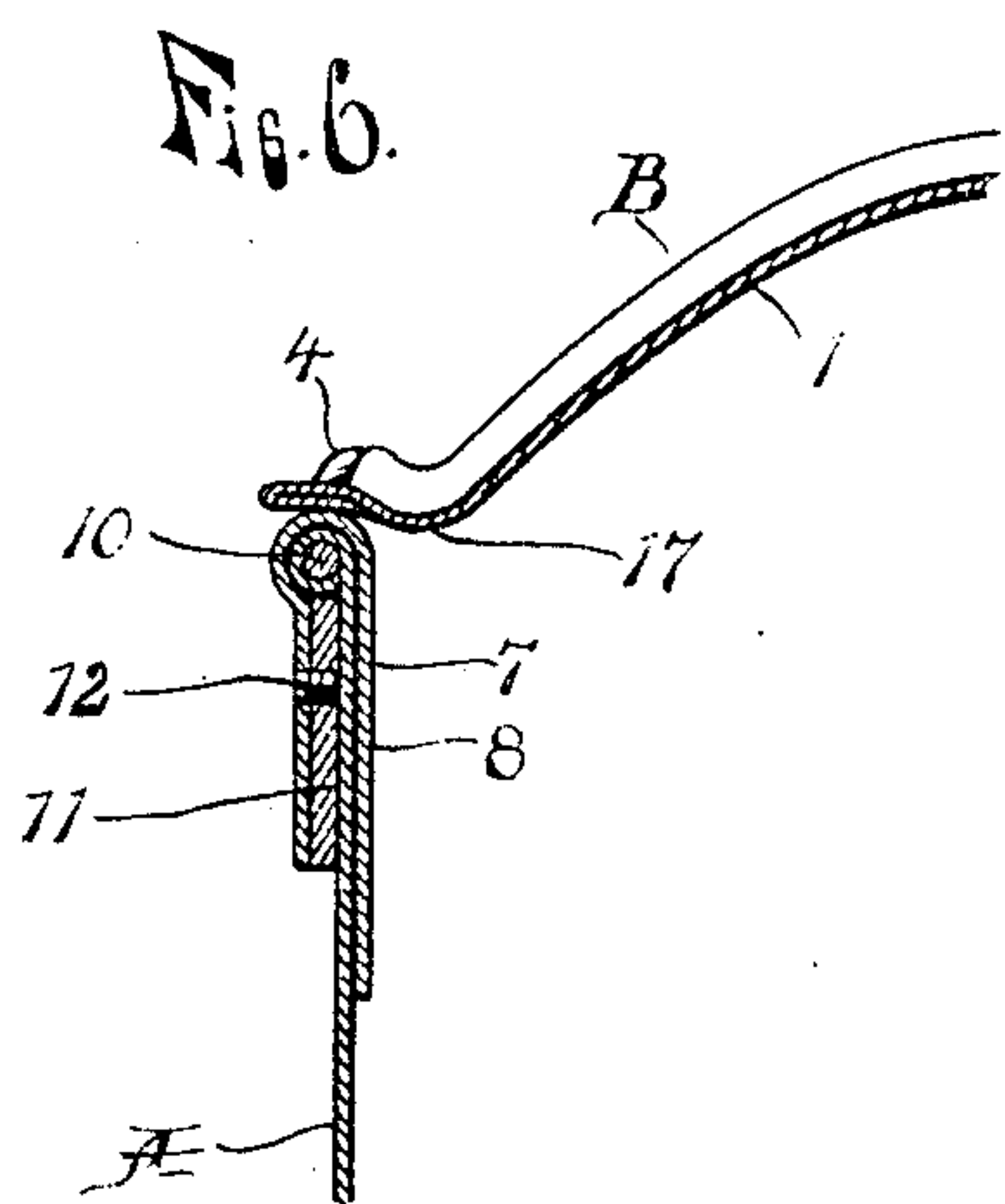
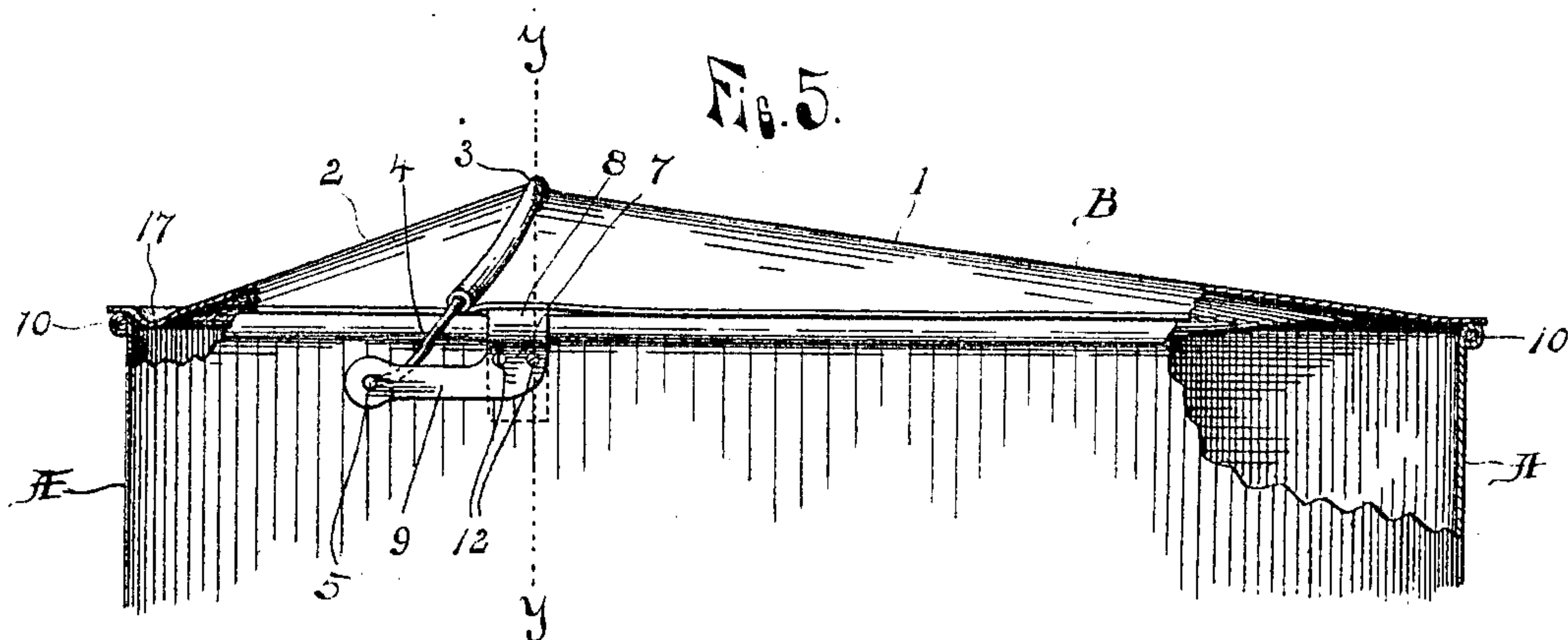
Lewis E. Sanders
Thomas S. Longstaff

INVENTOR.

By Albert Richard Thomas
Richard & Richard
Attorneys.

A. R. THOMAS.
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2 SHEETS—SHEET 2.



WITNESSES.

Lewis E. Flanders
Thos. S. Longstaff.

INVENTOR.

Albert Richard Thomas,
By *Charles S. Smith*
Attorneys.

UNITED STATES PATENT OFFICE.

ALBERT RICHARD THOMAS, OF DETROIT, MICHIGAN.

WASHBOILER-COVER.

No. 799,112.

Specification of Letters Patent.

Patented Sept. 12, 1905.

Application filed May 16, 1904. Serial No. 208,086.

To all whom it may concern:

Be it known that I, ALBERT RICHARD THOMAS, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Washboiler-Covers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in washboilers, and more especially to closures or covers for the same, and has for its object to obviate the necessity of removing the entire cover to gain access to the boiler, thus preventing the steam from escaping into the room every time anything is put in or taken from the boiler, a further object of the invention being to so construct and hinge the cover to the boiler that it may be used as a spout for the boiler to catch the drip from the clothes, &c., as they are being removed and to provide certain other new and useful features, all as hereinafter more fully described, and shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a device embodying the invention; Fig. 2, an enlarged perspective view of the same, showing the small portion of the cover in its open position; Fig. 3, a section of the same on the line *x x* of Fig. 2; Fig. 4, a perspective view of one end of the boiler and showing the cover in position for use as a spout. Fig. 5 is a detail view showing in side elevation the upper portion of the boiler with parts broken away to show the construction and also showing a detachable hinge member for removably attaching the cover to the boiler. Fig. 6 is a vertical section through one side of the same on the line *y y* of Fig. 5; and Fig. 7 a perspective detail of one end of the boiler and cover, showing a modified form of hinge member.

As shown in the drawings, A is a boiler of the ordinary form and construction having rounded ends and straight parallel sides, and B is the cover, consisting of a large section or part 1 and a small section 2, each section being raised and rounded transversely to form a rounded or convex upper surface and a concave lower side, the highest point of convexity being where the two parts meet at the center, and each part is tapered out toward its end of the cover. The dividing-line between the parts 1 and 2 of the cover extends upward at an inclination to the base-line or lower edge of the cover, so that the line of the lower edge

of section 1 meeting the line of its raised end forms an acute angle, and the similar lines of section 2 meet at an obtuse angle. The two parts are connected by a hinge 3 at the center or highest point of their adjacent ends, so that the smaller, as shown in Fig. 2, may be folded over upon the larger section, affording a small opening at the end of the boiler through which water, clothes, &c., may be put without removing the entire cover, and thus allowing the whole volume of steam contained in the boiler to escape into the room.

To stiffen and strengthen the edge of the metal at the inner or high end of the part 1 of the cover, the metal is rolled over a wire 4 in the ordinary manner, and the projecting ends 5 of this wire form hinge members to engage openings in brackets 6, secured to the sides of the boiler, and hinge said part thereto. Instead of the brackets 6 detachable brackets 7 (shown in Figs. 5 and 6) may be employed, each being formed of sheet metal and provided with a hook portion 8 to fit over and engage the inner side of the wall of the boiler and with a laterally-extending arm 9, having an opening to receive the pivot. The upper edge of the wall of the boiler is formed by turning the metal over a wire 10, and a block 11 is secured to the bracket beneath this projecting edge by screws 12 to form a shoulder to engage the said edge and detachably hold the bracket in place.

A handle 13 on the part 1 of the cover is provided with a projection 14, and a handle 15 on the part 2 is provided with a similar projection 16 to engage the projection 14 when the part 2 is folded upon the part 1 and detachably hold the same in that position, and the metal of each part of the cover is depressed near the edge to form a groove in its upper side, thus forming a rib 17 near the edge of the cover at its under side to engage the upper edge of the boiler and to cause the water of condensation collecting on the cover to run back into the boiler. At the outer end of the part 1 of the cover the rib is omitted, so that it will not interfere with the flow of the water when said part is used as a spout for the boiler by turning the same on its hinges to the position shown in Fig. 4. The division between the two parts of the cover is formed at an incline to the lower edge thereof, so that when part 1 is turned on its hinge to this position its end will fit closely against the end of the boiler, and part 2, having a concave lower side, will hang down closely against the

end of the boiler. The brackets 6 or 7 are extended longitudinally past the point where the sides of the boiler begin to curve, so that when the section 1 of the cover is turned on the bracket the end of the section will clear the upper edge of the end of the boiler and the handle 18 thereon.

In Fig. 7 is shown a modified form of hinge to connect part 1 to the boiler, the extended ends 5 of the wire 4 being omitted, and a bracket 19, having an extending arm 20, riveted to the cover to form one of the hinge members and engage the bracket 21.

Having thus fully described my invention, what I claim is—

1. The combination with a washboiler, of a cover adapted to form a spout for the boiler, and hinge members connecting the boiler and cover, whereby the cover may be turned outward into engagement with the wall of the boiler.

2. The combination with a washboiler, of a cover formed at one end to engage the outer surface of the end wall of the boiler, and means for supporting the cover in engagement with the end of the boiler.

3. The combination with a washboiler, of a cover divided transversely near one end into two parts, one of said parts being formed at its inner end to fit the outer surface of the end of the boiler, a hinge connecting the parts, and means for supporting said cover with said formed end in engagement with the end of the boiler.

4. The combination with a washboiler, of a cover consisting of a large and a small part, a hinge connecting said parts, hinge members on the boiler engaging hinge members on the large part and connecting said part to the boiler whereby it may be turned into engagement with the wall thereof to form a spout therefor.

5. The combination with a washboiler of a cover consisting of a large and a small part, said parts being formed convex, a hinge connecting said parts at the center of the cover, hinge members on the large part projecting over the edge of the boiler, and brackets on

the boiler forming hinge members to engage the hinge members on the said part.

6. The combination with a washboiler having rounded ends, of a cover consisting of a large and a small part, said parts being formed convex at their adjacent ends and flat at their opposite ends and the dividing-line between which parts extends upward at an inclination to the line of their lower edges, a hinge connecting said parts at their highest point, brackets on the sides of the boiler, and hinge members on the inner end of the large part of the cover to pivotally connect the same to the brackets.

7. The combination with a washboiler having rounded ends, of a cover consisting of a large and a small part, the large part having its inner end formed to fit the end of the boiler, a hinge connecting said parts, hinge members on the inner end of the large part extending beyond said end toward the end of the boiler, and brackets on the sides of the boiler extending longitudinally thereof past the point where the sides of the boiler curve to form the end and engaging the hinge members on the cover.

8. The combination with a washboiler provided with an overhanging upper edge, of a cover, hinge members on said cover, and brackets having hooks adapted to embrace the upper edge of the boiler and engage the overhang thereof to hold the brackets in place, and having arms provided with openings to receive the pivots of the said hinge members.

9. As an article of manufacture, a washboiler-cover adapted to form a spout for the boiler, and hinge members for pivotally connecting the cover to the boiler, whereby the cover may be turned outward into engagement with the wall of the boiler to form a spout therefor.

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

ALBERT RICHARD THOMAS.

Witnesses:

OTTO F. BARTHEL,
THOMAS S. LONGSTAFF.