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P. AYRES.

DRUM TRAP.

APPLICATION FILED NOV. 21, 1907.

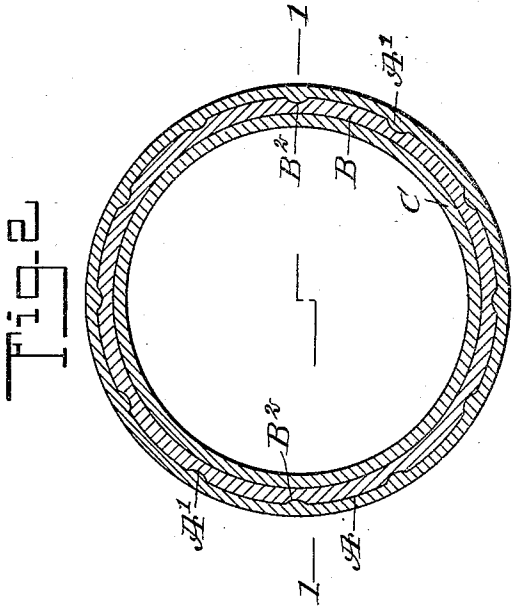


Fig. 2

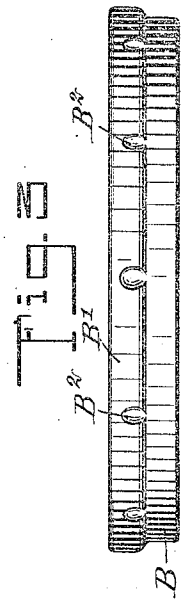


Fig. 3

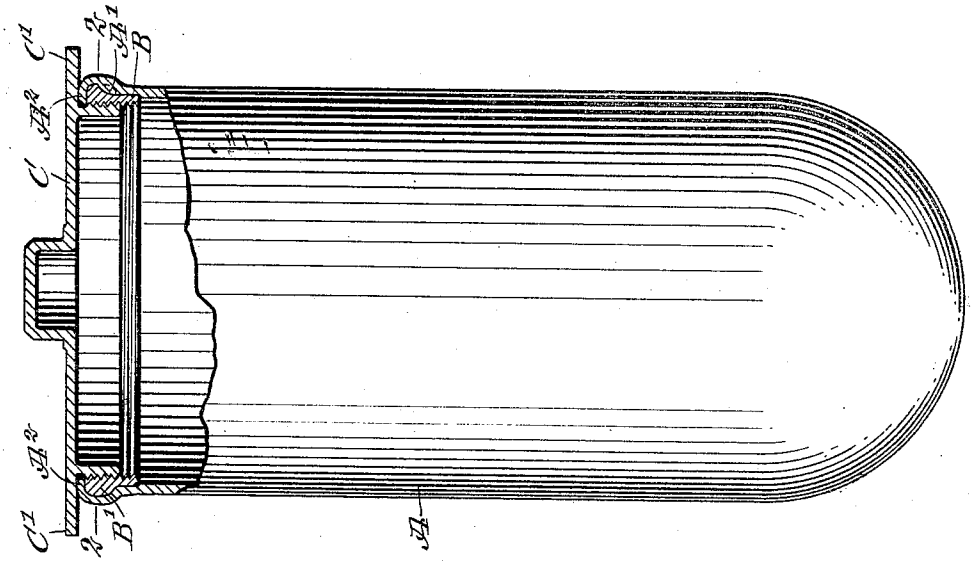


Fig. 1

WITNESSES

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DRUM-TRAP.

No. 880,436. Specification of Letters Patent. Patented Feb. 25, 1908.

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To all whom it may concern:

Be it known that I, PAUL AYRES, a citizen of the United States, and a resident of Ocean Side, in the county of Nassau and State of New York, have invented a new and Improved Drum-Trap, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved drum trap for use on bath tubs, basins, kitchen sinks, urinals and like devices, and arranged to permit of securely screwing the cover in position on the threaded ring held against turning in the lead casing, portions of the lead material of the casing extending over the top of the ring to form an integral washer for the cover to rest against, with a view to prevent leakage of gas or other matter.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a sectional side elevation of the improvement on the line 1—1 of Fig. 2, part of the casing being shown in elevation; Fig. 2 is a sectional plan view of the same on the line 2—2 of Fig. 1, and Fig. 3 is an enlarged side elevation of an internally threaded ring employed.

In the mouth of the lead casing A fits an internally threaded ring B in which screws the cover C, for closing the trap, the said ring B and the cover C being preferably of a metal harder than the soft metal casing A. The ring B is provided with an external flange B′ having indentations B^2, as plainly shown in the drawings, and the external diameter of the ring B is approximately the same as the external diameter of the casing A, so as to fit the ring B into the casing up to the beginning of the flange B′. When this has been done the casing material is drawn or spun over the flange B′ and drawn over the top thereof, so that portions A′ of the casing material pass into the indentations B^2, thus securely locking the ring B in place in the casing, to prevent the ring from turning when the cover C is screwed in position to close the casing. The casing material A^2 drawn over the top of the ring B forms a natural washer for the flange C′ of the cover C to rest against, with a view to prevent leakage of gas and other matter from the trap. By the arrangement described, the internally threaded ring B is securely fastened in place in the mouth of the casing A, to permit of tightly screwing the cover C in place on the ring B, at the same time abutting the flange C′ of the cover C against the washer material A^2, to prevent leakage, as previously mentioned.

By reference to Fig. 3 it will be noticed that the indentations B^2 are oblong, range in the direction of the height of the flange B′, begin at the lower edge thereof to form a ready open entrance for the lead material, and the indentations terminate a distance from the top of the flange B′ so that the lead readily enters the indentations on spinning the material over the flange B′, and at the same time the ring B is securely locked against turning by the nogs of lead material filling the indentations. By the arrangement of the indentations B^2 as shown and described a smooth finish is given to the lead material spun over the flange B′.

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

A drum trap comprising a soft metal casing, a cover, and an internally threaded ring into which screws the cover, the said ring fitting into the mouth of the casing and the casing material being spun externally over the said ring, the said ring having an external flange provided with indentations into which extends the casing material to hold the ring from turning the said indentations being spaced apart and begin at the lower edge of the flange.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PAUL AYRES.

Witnesses:

THEO. G. HOSTER,

EVERARD B. MARSHALL.