

(No Model.)

W. BUNTING, Jr.
BATH TUB LEG.

No. 507,259.

Patented Oct. 24, 1893.

Fig. 1.

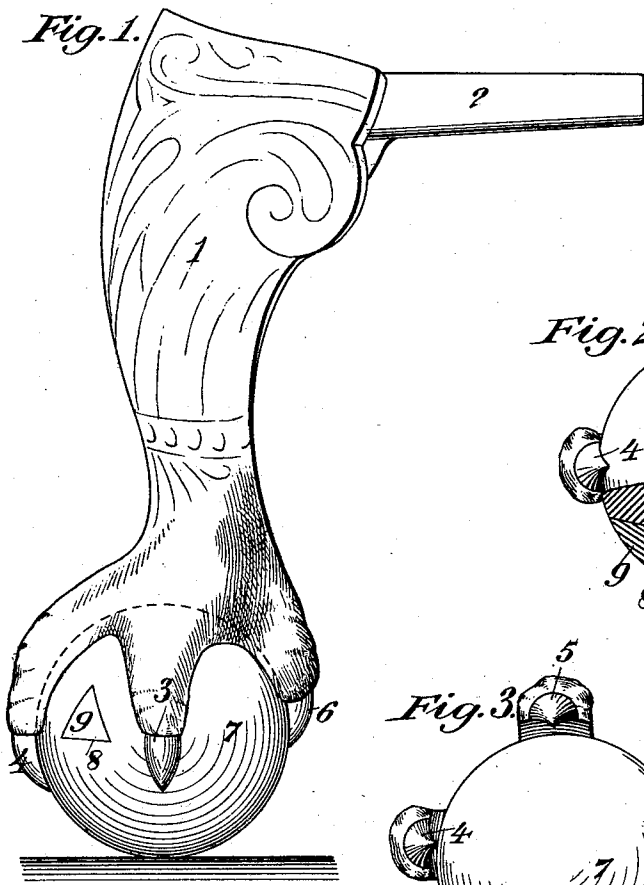


Fig. 2.

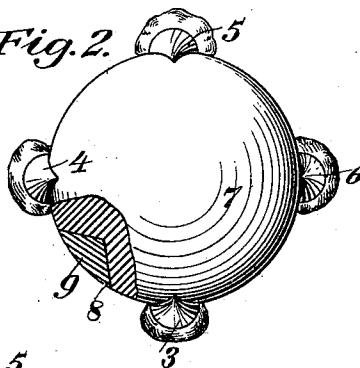


Fig. 3.

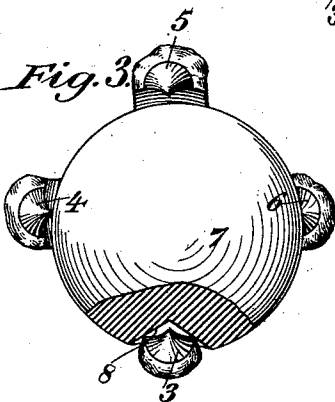
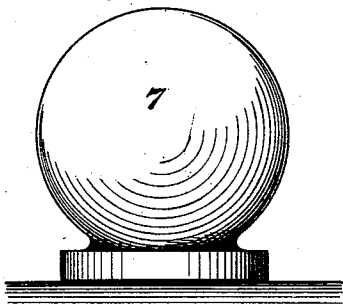


Fig. 4.



Witnesses:-

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UNITED STATES PATENT OFFICE.

WILLIAM BUNTING, JR., OF FLUSHING, ASSIGNOR TO THE MEYER-SNIFFEN COMPANY, LIMITED, OF NEW YORK, N. Y.

BATH-TUB LEG.

SPECIFICATION forming part of Letters Patent No. 507,259, dated October 24, 1893.

Application filed March 13, 1893. Serial No. 465,711. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BUNTING, JR., a citizen of the United States, and a resident of Flushing, in the county of Queens and State of New York, have invented certain new and useful Improvements in Bath-Tub Legs, &c., of which the following is a specification.

My invention relates to the iron legs or supports of bath tubs, lavatories, and the like, which are objectionable as heretofore constructed. Bath rooms, wash rooms, &c., are now frequently paved or covered with marble, porcelain or tiling of some sort and the iron legs of the tubs or other apparatus rest or bear directly thereupon. This is objectionable because in washing or scrubbing the floor, or perhaps in some other way, the water will contact with the bases of the legs and cause them to rust and ultimately stain or discolor the floor.

My invention has for its main object to overcome this difficulty or objection and consists in providing the iron leg or support with a non-corrodible ball or other shaped base-piece to bear directly upon the floor and thus obviate the rusting and the consequent discoloration referred to. And my invention has for a further object to provide simple and effective means for attaching or fitting the ball, lowest part or base-piece to the prop, leg or support, and to this end consists in the features of construction and combinations of devices hereinafter more fully described and particularly set forth in the appended claims.

In the accompanying drawings, Figure 1 is a side elevation of an iron bath tub leg or support embodying my improvements. Fig. 2 is a bottom plan view omitting the upper portion of the casting, and shown partly in section. Fig. 3 is a view similar to Fig. 2, illustrating the mode of attachment and detachment of the ball. Fig. 4 is an elevation showing another form of base.

In the several views the same part will be found designated by the same numeral of reference.

1 represents a cast-iron bath tub leg, constructed at its upper end, at 2, to connect with and support one of the corners of a porcelain or other bath tub. The said iron leg at its lower portion is fashioned into claws,

of which there are preferably four, as 3, 4, 5 and 6.

7 represents a non-corrodible ball or base made of china or glass, preferably, and adapted to be fitted to said leg in the embrace of the claws thereof.

The claws 3, 4 and 5 are of equal length, while the claw 6 is shorter. All of the claws are bent or curved and their inner surfaces are formed approximately on the lines of a sphere, to receive and retain the globular base 7.

Referring to Fig. 1, it will be observed that the points of the claws all extend below the horizontal center line of the ball, and since they conform substantially to the curvature of the ball, the latter cannot be detached except by special manipulation. Inasmuch as the claws are all cast in the positions or form shown, the ball must be peculiarly constructed to enable its insertion within the embrace of the claws, in the manner shown at Figs. 1 and 2, and to this end I make a notch or depression 8, preferably of triangular form in the ball, which co-operates with either of the claws adjacent to the shorter claw 6 in such a manner as to permit the ready insertion (or removal) of the ball.

At Fig. 3, I have illustrated the method of applying and detaching the ball, the view serving equally well for both purposes. When the ball is to be inserted the notch or cut-away is brought opposite the point of the claw 3, which slightly enters the same, on a movement of the ball, thus bringing the center of the ball toward the claw 3 and the periphery of the ball opposite the notch away from the point of the claw 5, whereupon the ball may enter between the claws. Upon entrance of the ball within the grasp of the claws, the ball may be turned to a position such that the notch stands out of register with the claws 3 and 5, and in such position the ball cannot be detached. If it should be desired to remove the ball the notch may be turned to align with either of the claw points 3 or 5 and slipped out. The ball, however, when once placed in position will rarely, if ever, be required to be removed, and for this reason and to further prevent any accidental detachment and to improve the appearance,

I prefer to cement in or otherwise fasten to the notch, a plug or filler 9. It will be understood however, that this last mentioned device is not necessary to prevent casual detachment of the ball and may be omitted if desired insofar as the main features of my invention are concerned.

It will be observed on measurement that a straight line between the points of the claws 3 and 5 is less in length than the diameter of the ball and hence that the ball can neither go in nor come out unless the cut-away is opposite one of the claws 3 or 5. It will also be observed that by reason of the presence of the shorter claw 6, the distance between its point and that of the diametrically opposite one 4 is such relatively to the diameter of the ball that when the ball is manipulated so that the ends of the claws 3 and 5 offer no obstruction to the ball the latter may be readily put in and taken out without hinderance by the claws 4 and 6.

Referring to Fig. 4, the ball is shown provided with a flat or pedestal base. Other forms may of course be used, and various other changes in design and detail construction may likewise be made without departing from the gist of my invention.

It will of course be understood that in place of claws, fingers or other grasping or analogous devices may be employed, and although I prefer four as shown, I do not limit myself thereto.

Some of my improvements may be embodied in brass legs or legs other than iron, and in such case the ball may be of any substance or material.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a leg or support provided at its lower end with a series of claws or fingers, of a notched or cut away base in the grasp of said claws or fingers.

2. An iron leg or support adapted for bath tubs &c. provided at its lower end with a series of claws or fingers, and a spherical notched or cut away non-corrodible base in the grasp of said claws or fingers.

3. The combination with an iron leg or sup-

port having a series of claws at its lower end, one claw being shorter than the others, of a spherical base-piece provided with a notch or cut-away, substantially as and for the purposes set forth.

4. The combination with a leg or support provided at its lower end with a series of rigid and inflexible claws or fingers, of a spherical base-piece having an irregularity on its surface, whereby the base-piece can be inserted and removed only when the said surface-irregularity is turned to or held in a predetermined or particular position with respect to the points of the claws or fingers, substantially as set forth.

5. The combination with a leg or support provided at its lower end with claws or fingers, one of which is shorter than the others, of a non-corrodible ball provided with a notch or cut-away, the construction and arrangement being such that the distance between at least two opposite claws at their points is less than the diameter or axis of the ball.

6. The combination with a leg or support provided at its lower end with four claws, 3, 4, 5 and 6, the claws 3 and 5, and 4 and 6 being respectively diametrically opposite each other, and the claw 6 being shorter than the claw 4, of a ball or spherical base-piece provided with a notch or cut-away.

7. The combination with a leg or support provided at its lower end with a series of claws or fingers, of a ball or spherical base-piece provided with a notch and adapted for insertion in substantially the manner described, and a plug or filler for said notch.

8. A ball or spherical base-piece adapted for insertion within the claws or fingers of a leg or support and provided with a peripheral notch or cut-away.

Signed at New York city, in the county of New York and State of New York, this 10th day of March, A. D. 1893.

WILLIAM BUNTING, JR.

Witnesses:

JACOB FELBEL,
IDA MACDONALD.