

No. 709,872.

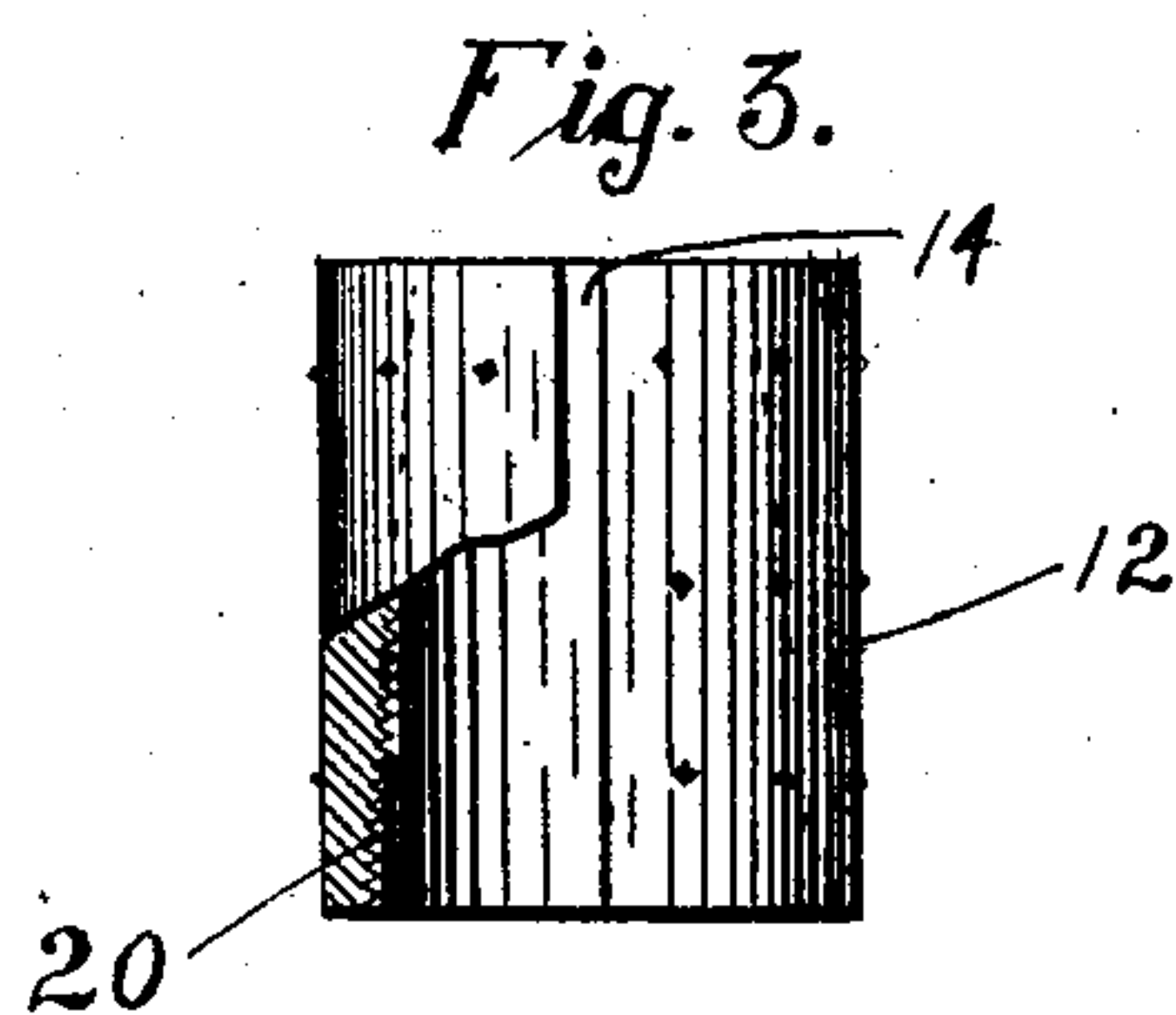
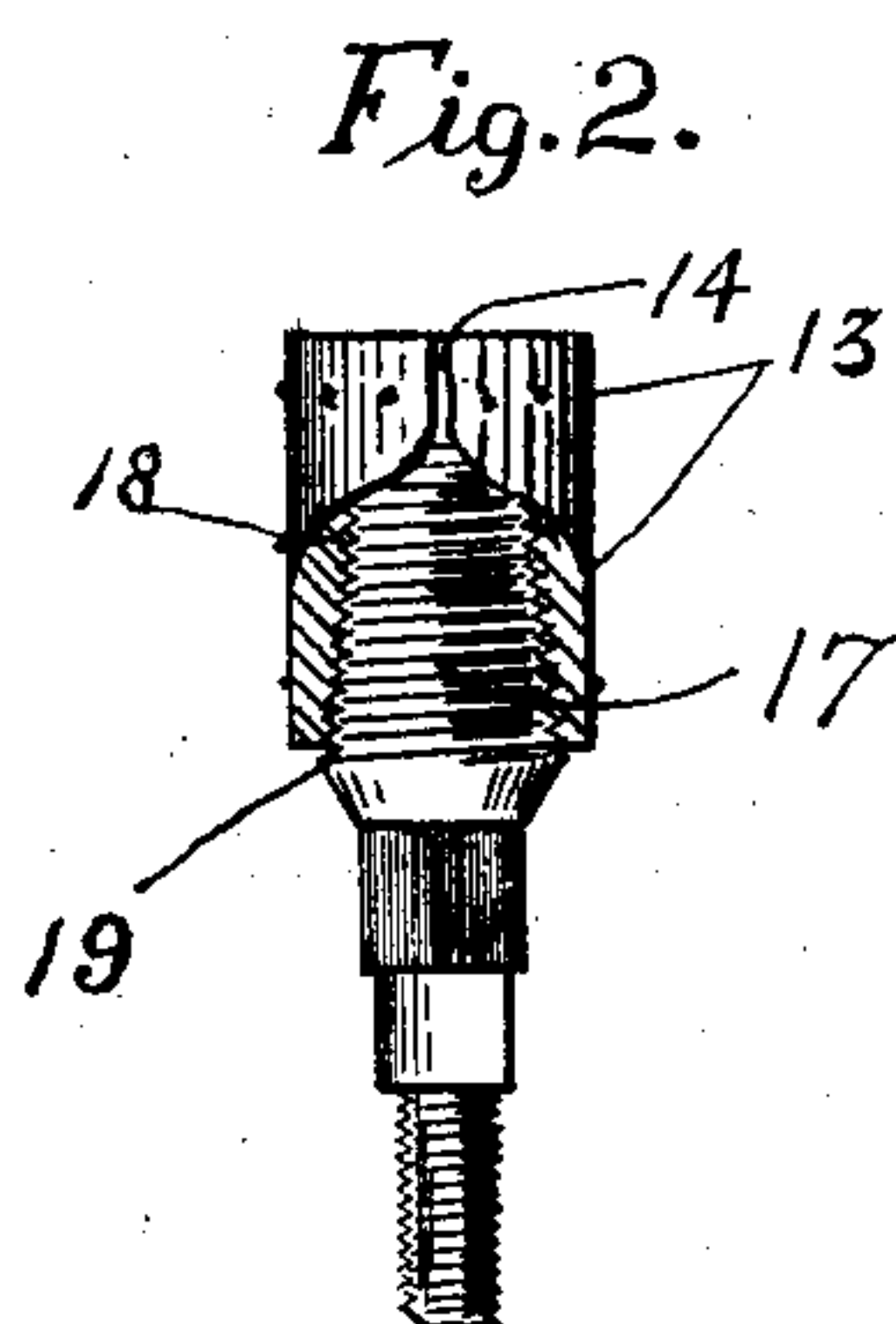
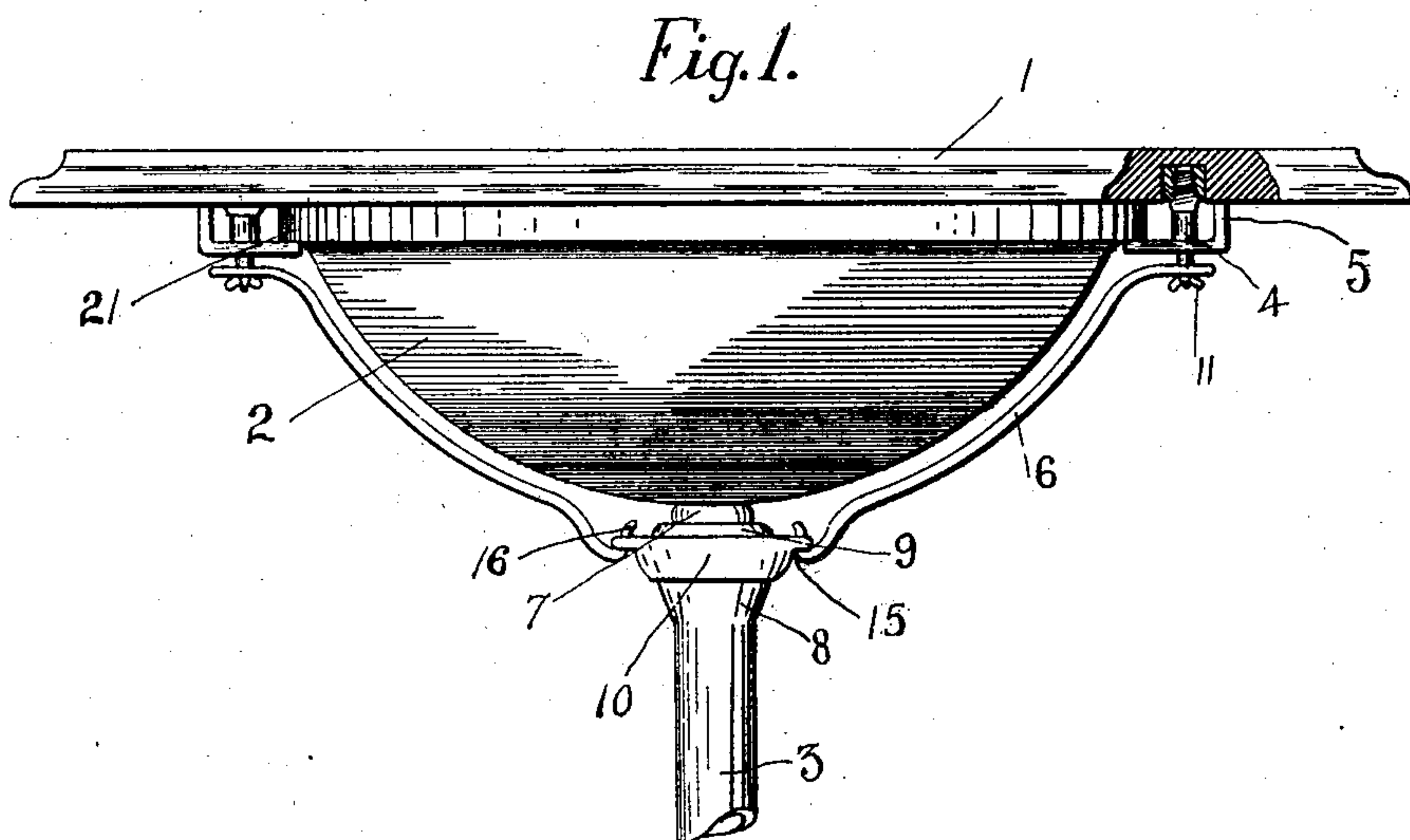
Patented Sept. 30, 1902.

J. A. CLUKIES.

MEANS FOR ATTACHING BOWLS TO THE SLABS OF WASHSTANDS.

(Application filed Nov. 25, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

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MEANS FOR ATTACHING BOWLS TO THE SLABS OF WASHSTANDS.

SPECIFICATION forming part of Letters Patent No. 709,872, dated September 30, 1902.

Application filed November 25, 1901. Serial No. 83,500. (No model.)

To all whom it may concern:

Be it known that I, JAMES ARTHUR CLUKIES, a citizen of the United States, residing at the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Means for Attaching the Bowls to the Slabs of Washstands, of which the following is a full, clear, and exact specification, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation, partly in section, of the slab and bowl of a washstand with the pipe or trap leading therefrom. It also shows the supporting-straps and the arrangement in the slab of the expanding bolt and shell. Fig. 2 is a side view of the shell and the expanding-bolt within the same, part of the shell being broken away. Fig. 3 is a side elevation of the shell, part of same being broken away.

The object of this invention is to do away with putty or plaster-of-paris joints in the union of the parts composing washstands and similar structures. The following description will show that it forms a neat and easily-adjustable device for attaching the bowl to the slab of a washstand and supporting same.

In the drawings, 1 indicates the slab of a washstand, 2 the bowl, and 3 the drain pipe or trap. The bolt 4 passes through the angle-iron 5 and fastens one end of the supporting-straps 6 underneath the same, the bolt 4 having different diameters at different parts of its length, as clearly shown in Fig. 2, the small threaded part being for the reception of the thumb-nut 11, the next plain portion being the part that rests within angle-irons 5, and the plain portion adjacent to the tapered nut 17 serving as a shoulder against which the angle-irons 5 are pressed by the thumb-screw 11, as hereinafter described.

7 is the horn at the bottom of the bowl, which enters the flared part 8 of the pipe 3, being supported on the latter by the hollow disk 9. Partly surrounding said disk 9 or located adjacent to the end of the horn 7 is the

collar 10, provided with holes 15, in which hooks 16 at the ends of the straps 6 fasten. The thumb-screw 11 is located on the end of the bolt 4 and serves as a means of holding the straps 6 tightly against the angle-iron 5. The thumb-screw 11 is larger in diameter than the part of the bolt 4 on which it turns, and it is larger in diameter than the opening through the angle-irons 5, through which the bolt passes. Therefore when it is screwed up it not only supports the angle-irons, but draws them tightly against the bowl and the slab, as shown in Fig. 1. The shell 12 is a split shell having the longitudinal split 14 therein. The external surface of said shell may be formed with serrations or teeth thereon, or it may have its surface roughened in any desired manner. I have shown it with raised sharp points 13 scattered over its surface.

The bolt 4 is tapered in its screw-threaded portion 17, and a corresponding taper 18 in the shell 12 enables the tapered part of the bolt 4 to enter therein to a certain distance before any coöperation of the threads 19 on the bolt takes place with the threads 20 inside the shell 12. When the said threads do take hold of each other, there is thus a larger bearing-surface and the working force of the bolt in expanding the shell is thus increased. This is necessary in this construction because it is the purpose that when the shell 12 is inserted in a suitable cavity in the slab of marble or other material the bolt 4 by its tapered construction 17 shall expand the shell and cause the sharp points or roughened surface 13 of the shell to take hold of the marble or other substance at the sides of the cavity therein. It will be obvious that as the bolt 4 is thus rigidly attached to the slab and by reason of the thumb-screw 11 supports the angle-iron 5 and as the angle-iron 5 again supports the flange 21 of the bowl 2 the latter will be closely connected to the slab 1. As the bowl 2 is more or less closely connected at its bottom to the pipe 3 an additional precaution against lateral movement of the bowl will be found provided in the straps 6, which are

connected at one end to the bolts 4, as previously stated, and hooked into the collar 10.

Having thus described my said invention, what I claim, and desire to secure by Letters
5 Patent, is—

The combination of a slab, a bowl having a flange, angle-irons, shells gripping said slab, bolts coöperating with said shells, a collar surrounding the drain-pipe and supporting-

straps engaging said collar and fastened to said bolts, substantially as described.

In testimony whereof I have hereunto affixed my signature, in the presence of two witnesses, this 22d day of November, 1901.

JAMES ARTHUR CLUKIES.

Witnesses:

J. GUTTMANN,

HUGH K. WAGNER.