(No Model.)

W. M. GILMORE.

CONNECTION FOR EARTHENWARE.

No. 566,074. Patented Aug. 18, 1896.

Fig. I.

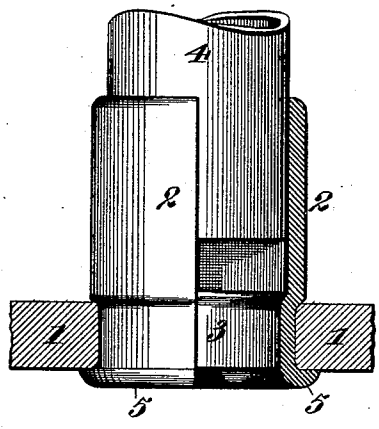
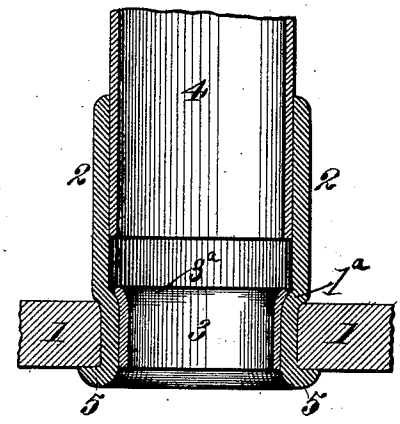


Fig. II.



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UNITED STATES PATENT OFFICE.

WILLIAM M. GILMORE, OF ST. LOUIS, MISSOURI.

CONNECTION FOR EARTHENWARE.

SPECIFICATION forming part of Letters Patent No. 566,074, dated August 18, 1896.

Application filed January 21, 1895. Serial No. 535,597. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM M. GILMORE, a citizen of the United States, residing at the city of St. Louis, State of Missouri, have invented a new and useful Improvement in Connections for Earthenware, of which the following is a full, clear, and exact specification.

The object of my invention is to provide a neat, flexible, and strong connection for earthenware utensils, such as are ordinarily employed in water-closets, but which may be applied to any similar use. I accomplish this object by means of the device illustrated in the accompanying drawings, forming part of this specification.

Figure I illustrates a side view of my invention, shown partly in section. Fig. II illustrates a sectional view of my device.

In both figures the same numbers refer to the same parts.

1 is that portion of the earthenware to which at the proper opening connection is to be made.

2 is a flexible and elastic tube having one end adapted to fit over the pipe 4 and the other end adapted to fit into the opening of the earthenware 1.

3 is a ring or locking-piece made of non-flexible material and provided with a flared or enlarged end 3^a and of an outside diameter smaller than the opening in 1, but sufficiently large to press that portion of the flexible tube 2 which is in contact with the part 1 firmly and securely against the said part 1. As will be seen, the flared end 3^a, when the ring is drawn down in the tube, presses the part of the flexible tube with which it engages over the edge of the opening, so as to form a shoulder 1^a, which firmly holds the tube within the opening at that point.

4 is the supply or waste pipe, and 5 is a flared or enlarged end on the pipe 2, which is adapted to be folded over the opening in the earthenware and engage tube 2 thereto at that point.

The parts are adjusted in the following manner: The collar 3 is slipped into the tube 2, leaving the ends of said tube free. Then the end of tube 2, adapted to fit into the opening of 1, is placed in said opening, and the flared end 5 is drawn down over the edge of the earthenware and collar 3 is pressed into position, as shown in drawings, and forms the shoulder 1^a. The other end of tube 2 is then placed about the pipe 4. This construction makes a tight joint, eliminates all danger of breaking the earthenware, and affords a firm and satisfactory coupling.

The tube 2 may be adjusted at will, and any shrinkage or wear may be overcome by increasing the size of the rigid ring 3, and thus the joint is always kept tight and secure.

My improved connection is adapted to be applied to any form of earthenware, such as bowls, basins, &c., where, on account of danger of breakage, it is desired to secure a flexible but tight connection.

I claim as my invention—

1. In an improved pipe connection for bowls, basins, &c., the combination of a flexible tube fitting in an opening in the basin or bowl and having a flared end which is adapted to hold the tube on one side of the opening, and a collar provided with a flared end adapted to fit in said tube and to press the surrounding portion of said tube firmly against the surrounding portion of the bowl and to form a shoulder on the tube so as to hold the tube on the other side of the opening, as shown and described.

2. In an improved connection for bowls, basins, &c., the combination of a flexible tube fitting in an opening in the bowl or basin, and have a flared end 5, and a collar 3 provided with a flared end 3^a fitting in said tube, substantially as shown and described.

W. M. GILMORE.

In presence of—
N. FINLEY,
STANLEY STONER.