J. F. KELLY.

LAVATORY.

APPLICATION FILED OCT. 29, 1921.

1,406,030. Patented Feb. 7, 1922.

Fig. 1.

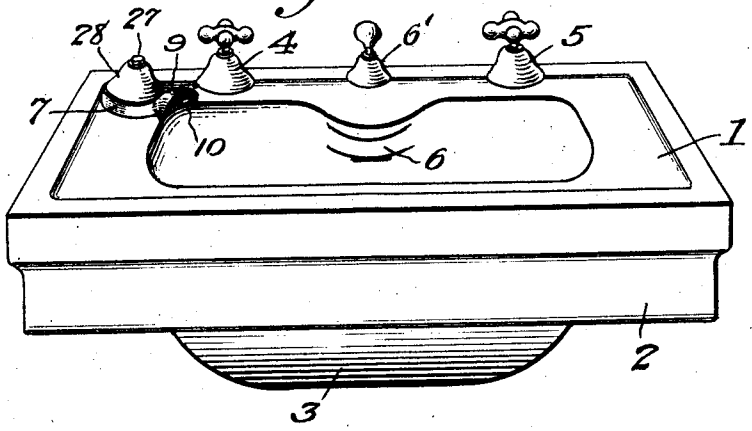
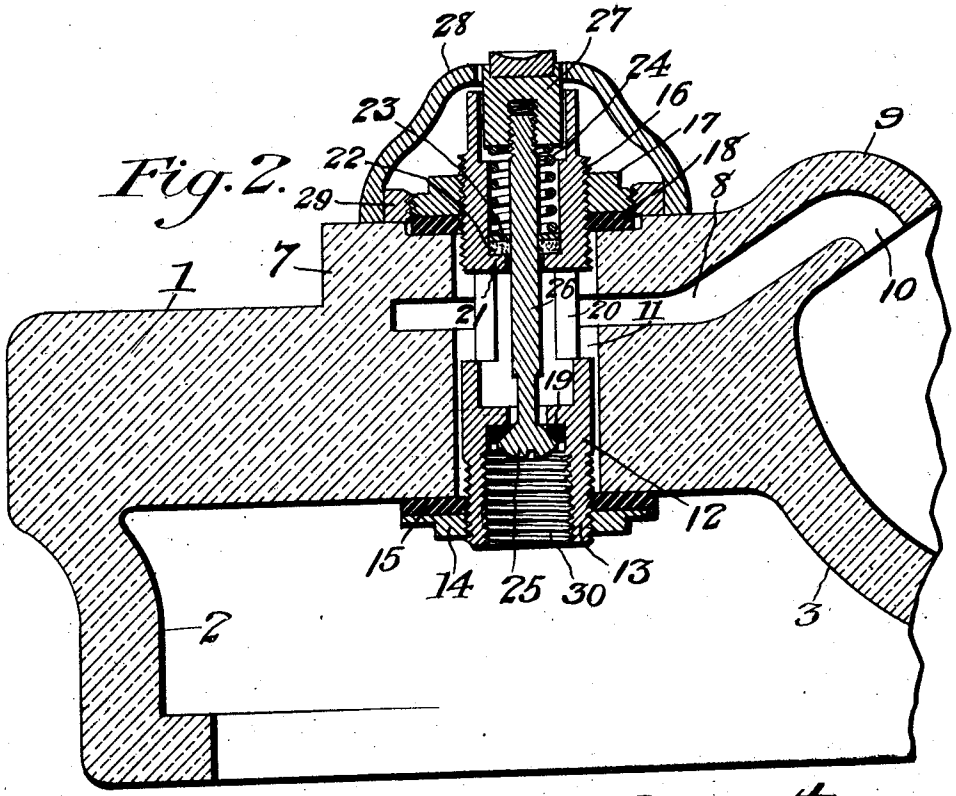


Fig. 2.



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UNITED STATES PATENT OFFICE.

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LAVATORY.

1,406,030. Specification of Letters Patent. Patented Feb. 7, 1922.

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To all whom it may concern:

Be it known that I, JOHN F. KELLY, a citizen of the United States, residing at Trenton, in the county of Mercer and State of New Jersey, have invented certain new and useful Improvements in Lavatories; and I do hereby declare the following to be a full, clear and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to certain new and useful improvements in lavatories, particularly those of the vitreous type, and has for its object the provision of a supply for drinking water, more particularly ice water, comprising a duct formed integrally with and within the lavatory structure, having a discharge spout overhanging the bowl, but above any possible rise of the water level therein, and a faucet or valve device attached to the lavatory structure, and communicating with a source of drinking water and with the duct, the parts being so constructed and arranged that they occupy minimum space, and do not interfere with the other elements of the lavatory, but, nevertheless, admit of connections being made directly with the source of drinking water, at a minimum of labor and expense.

The invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a perspective view of a typical lavatory, involving the separate drinking water supply;

Fig. 2 is a fragmentary sectional elevation of the portion of the lavatory containing the said drinking water supply device.

Referring to the drawing, 1 indicates the slab of a lavatory, which is preferably formed as an integral structure of china, clay, or other vitreous material, or, in the alternative, of cast metal, involving the pendant skirt or apron 2, and the bowl 3, said bowl being provided with the usual water inlet 6. Mounted on the slab at the rear of the bowl are the wash water taps or faucets 4 and 5, between which is disposed the usual waste attachment 6′.

Formed in the body of the slab 1, preferably adjacent one corner of the bowl, is a duct 8, the forward or discharge end of which is directed upwardly and housed within a bulbous projection 9, which forms a spout or discharge outlet 10, above the level of the slab, and, therefore, above the highest possible water level in the bowl, and adapted to discharge drinking water toward the center of the bowl, so that a drinking receptacle may be held beneath the spout 10 to receive the water therefrom.

Preferably the duct is formed partly within the slab 1 and partly within an integral boss or projection 7, formed integrally with the slab, which boss is provided with a vertical opening 11, extending through the same and through the slab, and connects with the duct 8.

Mounted within the vertical opening 11, is a suitable valve mechanism adapted to control the supply of drinking water, preferably ice water, to the duct. In its preferred form, the valve mechanism comprises a cylindrical casing 12, having its opposite ends provided with external screw threads 13 and 16, to receive the lock nuts and packing washers 13 and 15 at the lower end and 17 and 18 at the upper end, which serve to lock the casing 12 to the slab and in proper relation within the opening 11. The intermediate portion of the casing 12 is provided with openings 20 communicating with the duct 11, below which openings is a valve seat 19. Above the openings 20 the casing is provided with a perforated partition 21, which forms a pocket to receive packing washers 22 and 23, and a helical spring 24. Mounted longitudinally in the casing 12 is a valve comprising a head portion 25 cooperating with valve seat 19, and a stem 26, provided with a removable button 27 at its top, which serves also to confine the helical spring 24, which normally seats the valve. The lower end of the casing 12 is interiorly screw-threaded to receive the end of a supply pipe for drinking water. Surrounding the upper portion of the casing is a cap 28, provided with a screw-threaded flange 29 engaging a thread on the exterior of the lock nut 17, said cap being provided with a central opening, through which the button 27 on the end of the valve stem projects.

From the foregoing description, it will be apparent that the lavatory may be directly connected with a source of supply of drinking water or ice water, without the provision of elaborate and expensive connections and attachments, the only accessories to the lavatory being the relatively simple valve mechanism which is readily connected

to the lavatory slab and the supply pipe for the drinking water.

What I claim is:—

1. A lavatory comprising an integral bowl and slab, supply, waste and overflow attachments; and a separate drinking water supply including a duct formed within the slab having a discharge spout overhanging the bowl.

2. A lavatory comprising an integral bowl and slab, supply, waste and overflow attachments; and a separate drinking water supply including a duct formed within the slab at one corner of the bowl having a discharge spout overhanging the bowl.

3. A lavatory comprising an integral bowl and slab, supply, waste and overflow attachments; and a separate drinking water supply including a duct formed within the slab having a discharge spout overhanging the bowl, and a valve controlling the supply to said duct.

4. A lavatory comprising an integral bowl and slab, supply, waste and overflow attachments; and a separate drinking water supply including a duct formed within the slab having a discharge spout overhanging the bowl, and a valve located in an opening through the slab and communicating with said duct.

In testimony whereof I affix my signature.

JOHN F. KELLY.