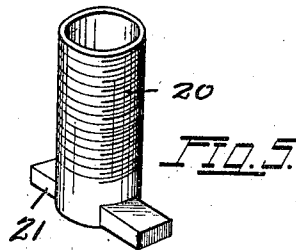
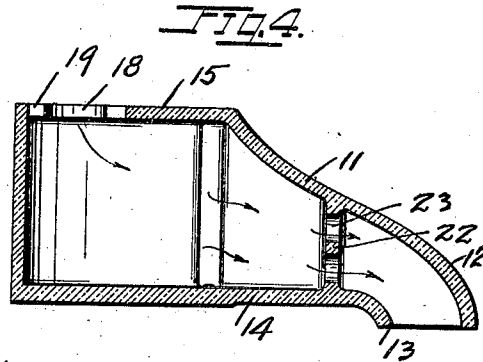
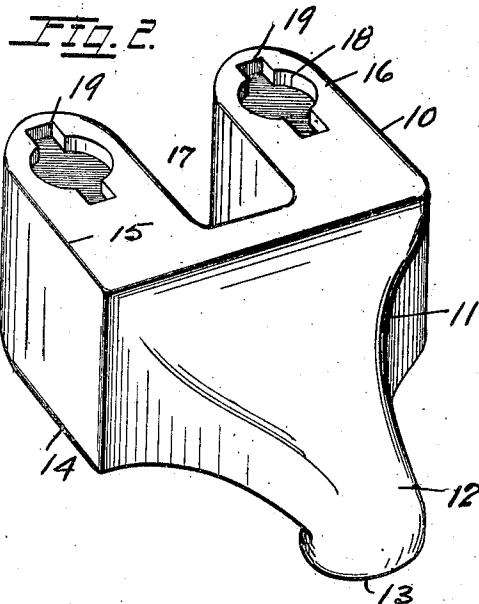
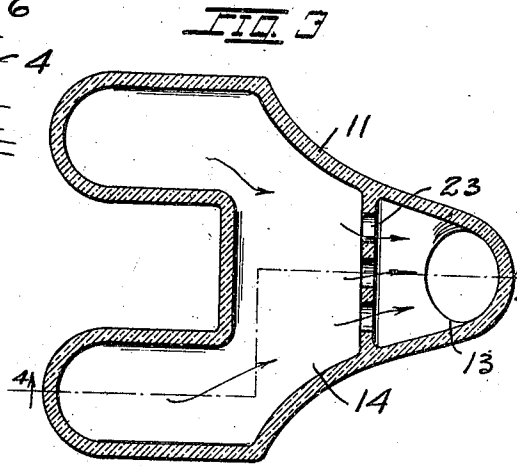
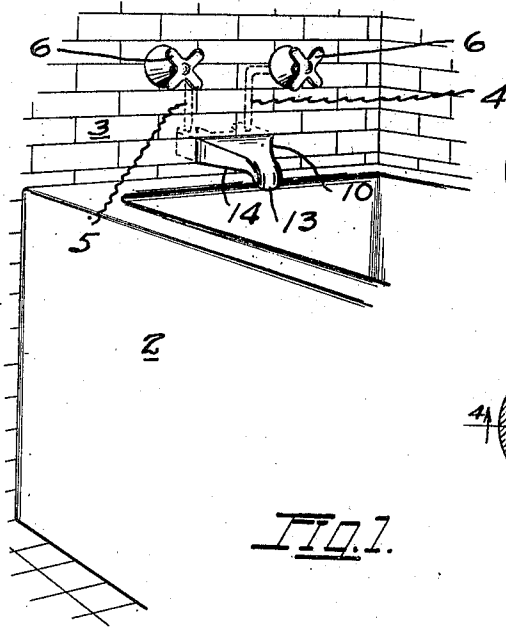


B. F. GABLE.
BATH COMBINATION AND NOZZLE.
APPLICATION FILED JULY 24, 1920.

1,398,941.

Patented Nov. 29, 1921.



WITNESS
H. G. Shubert,

INVENTOR
Benjamin F. Gable.

BY
W. H. Dyer & Co.
his ATTORNEYS

UNITED STATES PATENT OFFICE.

BENJAMIN FRANKLIN GABLE, OF SAN FRANCISCO, CALIFORNIA.

BATH COMBINATION AND NOZZLE.

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Specification of Letters Patent. Patented Nov. 29, 1921.

Application filed July 24, 1920. Serial No. 398,734.

To all whom it may concern:

Be it known that I, BENJAMIN FRANKLIN GABLE, a citizen of the United States, and a resident of the city and county of San Francisco and State of California, have invented certain new and useful Bath Combinations and Nozzles, of which the following is a specification.

This invention relates to plumbing apparatus and more particularly to bath fixtures and supply nozzles therefor and also relates to a wall and bath combination.

It is one of the objects of the present invention to provide an ornate, practicable, highly sanitary and simple bath combination.

It is further an object of the invention to provide a bath combination in which the supply nozzle means for hot and cold water will be without visible metallic elements.

A further object of the invention is to provide in a bath combination a supply nozzle forming a part of and built in a wall contiguous to a bath tub with means for supplying hot and cold water to the nozzle.

Another object of the invention is to provide a supply and mixing nozzle in the form of a building block that may be incorporated bodily in a wall and having a spout portion projecting therefrom so as to discharge into the subjacent receptacle. In this connection, an object of the invention is to provide a block-like spout of integral construction that may be erected in a wall and which is provided with means for attachment to water service pipes and constructed for the clearance of portions of a system and which also provides for the mixture of hot and cold water before the discharge of the same from the nozzle.

Another object of the invention is to provide a block of hollow form that is inexpensive in cost of manufacture and may be readily installed and connected in bath and other water service combinations.

The invention possesses other objects and features of advantage, some of which, with the foregoing, will be made manifest in the following description of the preferred form of the invention which is illustrated in the drawings accompanying and forming part of the specification. It is to be understood that it is not intended to limit the invention to the embodiment shown by the said drawings and description as variations may be

adopted within the scope of the invention as set forth in the claims.

Referring to the drawings:

Figure 1 is a perspective showing a portion of a bath combination in juxtaposition to a wall in which the improved discharge and mixing nozzle is arranged.

Fig. 2 is a perspective of the improved nozzle before installation.

Fig. 3 is a horizontal, longitudinal section through the improved nozzle.

Fig. 4 is a vertical, longitudinal section on line 4—4 of Fig. 3.

Fig. 5 is a perspective of a form of fitting enabling the attachment of water service pipes to the improved nozzle.

Ordinarily, in bath and other water service combinations, a form of construction is the arrangement of a bath tub in juxtaposition to a wall from which projects water controlling index handles to regulate and cut off the flow of water to a discharge nozzle which usually involves a metallic member that is arranged to extend from the wall and discharge into a bath tub or other subjacent receptacle. The present tendency is toward the elimination or covering up of all of the metallic parts of plumbing apparatus and particularly so in bath rooms for the obvious purpose of concealing the piping of the set and also eliminating the use of highly polished and nickel plated parts that are readily tarnished and soon become objectionable in appearance. To that end, the present invention consists of a hollow building block with a laterally extending spout or discharge portion and having provision for connection to concealed service pipes.

In the illustrated embodiment of the invention, a bath tub 2 is shown as disposed contiguous to a wall 3 that may be constructed with a facing of tile or may have a cementitious facing, the wall concealing the usual service pipes for hot and cold water, indicated in dotted lines at 4 and 5. These pipes lead to control valves having exposed index handles 6—6 which preferably are of the all-china type. These valves control the flow of water from the pipes 4—5 to a mixing and discharge nozzle which, in the present case, is constructed in the form of a substantially rectangular block 10 and may be made of integral construction of any suitable material, as glazed earthenware or porcelain, and is preferably

of such dimensions that it may be readily substituted for the usual tile of bath room wall surfaces.

The hollow block 10 is shown as having a substantially oblong front contour 11 from which projects a downwardly and forwardly converging nozzle or mouth 12, the lower lip 13 of which may be in a plane slightly lower than the bottom plane 14 of the block. The body of the block may be of any suitable depth rearwardly from the face 11 and of any suitable form, in the present case comprising parallel end extensions 15 and 16 between which there is provided a space 17 forming a clearance through which there may be extended, if desired, any apparatus or piping such, for instance, as a lift rod, not illustrated, that may have an operating attachment at its upper end for controlling the opening of the waste plug, not shown, of the bath tub 2. Therefore, in its illustrated embodiment, the plan of the block is substantially U-shape at its top surface and the rearwardly extending portions 15-16 are provided with apertures 18 having diametrically opposite notches or slots 19 and into these apertures may be extended a plumbing fixture 20, Fig. 5, commonly termed a spud, which may have lugs 21 to pass through the nozzles 19 and after which the spud may be turned with the lugs out of register and the spud may then be locked by the clamp or lock nut in the usual manner and thus provide for attachment of the service pipes.

As stated, the block 10 is hollow and water flowing into the chamber of the main portion of the block from either of the service pipes will flow forwardly, as shown by the arrows in Fig. 4, toward the discharge nozzle 12. It is desirable that hot and cold water, when turned into the device, at one time, be mixed before discharging and, for that purpose, any suitable deflecting mixing means may be provided and may consist of a transversely extending wall or partition 22, here shown as perforated as at 23. This partition acts as a baffle to divert the streams of water coming from the service pipes sufficiently to insure the mixture of the streams before ultimately discharging through the mouth 12. It is understood that any suitable means for mixing the streams may be utilized.

From the above, it will be seen that the hollow block may be readily installed in the wall 3 as the latter is erected or afterward, if desired, and connected to the service pipes, thus entirely obviating the requirement of exposed metallic parts, and providing extremely simple and ornate construction.

What is claimed is:

1. The combination with a water receptacle and a wall contiguous to the receptacle, of a hollow, wall block in the wall, connected to water service pipes and having a discharge mouth arranged over the receptacle.

2. The combination with a water receptacle and a wall contiguous to the receptacle, of a hollow, wall block in the wall connected to water service pipes and having a discharge mouth arranged over the receptacle, the block provided with clearance space for contiguous apparatus.

3. A wall having a hollow block connected to service pipes and having a discharge nozzle extending, from one face, beyond the front plane of the wall.

4. A hollow, wall block having means for attachment to supply pipes and having a discharge nozzle at its front.

5. A hollow, wall block having means for attachment to supply pipes and having a discharge mouth at one side and means for causing different streams to mix within the block.

6. A closed hollow tile having means for attachment to water service pipes and having on its front face a discharge mouth from its chamber.

7. A hollow tile block having means for attachment to water service pipes and having on its front face a discharge mouth from its chamber and means in the block for mixing streams from the pipes before discharge at the mouth.

8. A water service nozzle consisting of a closed hollow wall block with means for attachment of service pipes.

9. A water service discharge nozzle consisting of a closed hollow wall block with a discharge spout extending from one face.

10. A water service nozzle consisting of a closed hollow block with a discharge spout extending from the front face and having means for attachment of water service pipes.

11. A water service nozzle consisting of a hollow wall block with means extending from the rear thereof for the attachment of service pipes, and a discharge mouth extending from the exposed surface of the block.

12. A water service nozzle consisting of a hollow tile block having projecting from its front face a discharge mouth and having on a concealed face, means for attaching water service connections.

In testimony whereof, I have hereunto set my hand.

BENJAMIN FRANKLIN GABLE.