Dec. 29, 1931. K. A. DIEDERICHSEN 1,838,253

TAPPED SIXTH BEND FITTING

Filed March 14, 1927

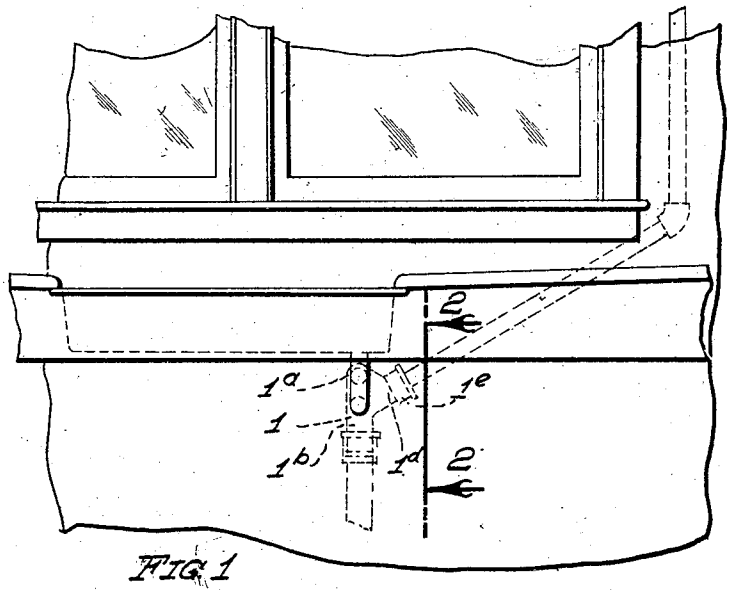


FIG 1

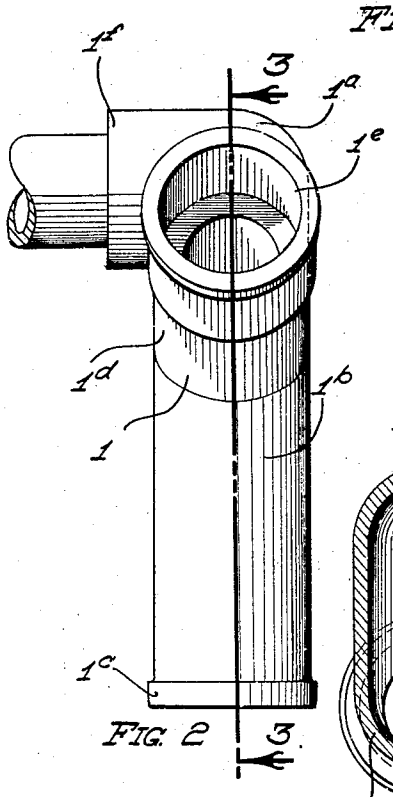


FIG. 2

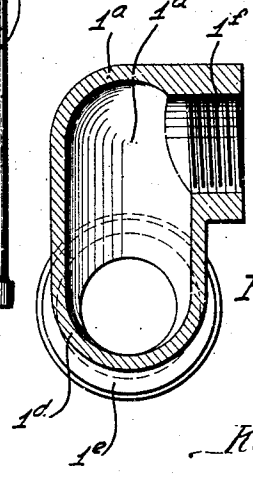


FIG. 4

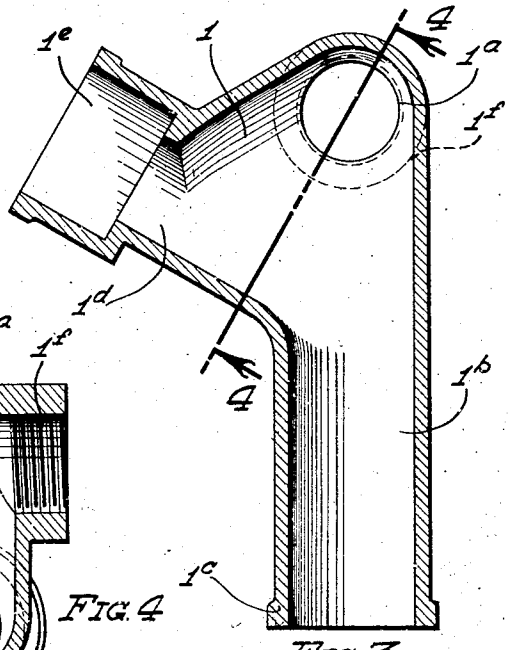


FIG 3

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UNITED STATES PATENT OFFICE

KENNETH A. DIEDERICHSEN, OF SAN DIEGO, CALIFORNIA

TAPPED SIXTH BEND FITTING

Application filed March 14, 1927. Serial No. 175,161.

My invention relates to pipe fittings for plumbing and the like, more particularly to sixth bend drainage pipe fittings, and the objects of my invention are: first, to provide a fitting of this class which permits the conventional sink or wash basin to be placed below windows or cupboards and still have the waste trap extend a minimum distance downwardly; second, to provide a fitting of this class which enables the vent pipe to pass around the side of a wide window or other obstruction while the waste opening is relatively high; third, to provide a fitting of this class which has the vent opening lower than the waste or drain opening; fourth, to provide a fitting of this class which is easy to install in the walls of a building under wide windows and the like and is concealed from view, and fifth, to provide a fitting of this class which is easy to install, durable, efficient in its action, economical of construction, and which will not readily deteriorate or get out of order.

With these and other objects in view, as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions, as will hereinafter be described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon, which form a part of this application, in which:

Figure 1 is a fragmentary elevational view of a sink with a window positioned above it and my device in the wall with a vent pipe connected therewith shown by dotted lines; Fig. 2 is a side elevational view of my fitting, taken from the line 2—2 of Fig. 1; Fig. 3 is a longitudinal sectional view thereof, through 3—3 of Fig. 2, and Fig. 4 is a transverse sectional view thereof through 4—4 of Fig. 3.

My device consists essentially of an elbow or sixth bend 1 with a hump 1*a* extending upwardly in line with the longer or downwardly extending leg 1*b*. The extremity 1*c* of the leg 1*b* is provided with a spigot end adapted to join a bell portion of the conventional bell and spigot pipe. The other or shorter leg 1*d* terminates in a bell portion 1*e*, which is likewise adapted to join with the conventional bell and spigot pipe. The hump 1*a* is preferably cast integrally with the elbow. The curved side walls which form the hump diverge outwardly from each other with one wall in alinement with the side wall of the tubular leg portion 1*a* and the other wall joining the leg 1*b* at the base of the bell portion 1*e*, as shown best in Fig. 3 of the drawings. In the upper extremity of the hump 1*a* is an outwardly extending portion 1*f* provided with a hole, which extends into the pipe 1. The portion 1*f* is internally threaded and adapted to connect to the usual threaded pipe, which is joined to the waste outlet of a conventional fixture such as a sink or basin. The spigot end 1*c* connects with the sewer line, the bell portions 1*e* connects with the vent pipe, and the hole in the portion 1*f* connects to the waste outlet of a sink or basin.

In the usual construction of houses and buildings, the sink or basin is often placed under a window or a built-in cabinet. As a vent is necessary for sewers, difficulty is encountered with placing the vent pipe so that it avoids the window and still be effective. Having an upwardly extending hump as part of the elbow, the vent outlet is placed lower than has heretofore been possible, and the vent pipe can be easily extended around the window frame, as shown in Fig. 1 of the drawings. Heretofore it has been necessary to use conventional pipe fittings which, when connected to the trap of the sink or basin, necessitate the trap being placed quite low in order to avoid the window or cabinet, thereby exposing unsightly plumbing.

Though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to this particular construction, combination and arrangement, but desire to include in the scope of my invention, the construction, combination and arrangement substantially as set forth in the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a device of the class described, a pipe fitting provided with a pair of angularly intersecting passages, one intersecting with the other in a downward angular direction, a hump extending upwardly from the intersection of said passages and being the highest extremity of said fitting, said hump being a continuance of one of said passages and closed at its top side and provided with an aperture in one side thereof.

2. In a device of the class described, a pipe fitting provided with a pair of angularly intersecting passages, one intersecting the other in a downward angular direction, one passage provided with means for connecting to a sewer line, the other passage provided with means for connecting to a vent pipe, a hump extending upwardly from the junction of said passages and being the highest extremity of said fitting, said hump being a continuance of said first mentioned passage and closed at its top side and provided with an aperture therein for connecting to a drain pipe at one side thereof.

3. In a device of the class described, a pipe fitting provided with a pair of angularly intersecting passages, one intersecting with the other in a downward angular direction, a hump extending upwardly from the intersection of said passages and also being a continuance of one of said passages and closed at its top side and provided with an aperture in one side thereof.

4. In a device of the class described, a pipe fitting provided with a pair of angularly intersecting passages, one intersecting the other in a downward angular direction, one passage provided with means for connecting to a sewer line, the other passage provided with means for connecting to a vent pipe, a hump extending upwardly from the junction of said passages and being a continuation of said first-mentioned passage and closed at its top side and provided with an aperture therein for connecting to a drain-pipe at one side thereof.

In testimony whereof, I have hereunto set my hand at San Diego, California, this 4th day of March, 1927.

KENNETH A. DIEDERICHSEN.