

J. J. DIVEKEY.
PUMP BASE.
APPLICATION FILED MAR. 30, 1910.

Patented Nov. 15, 1910.

975,752.

Fig. 1.

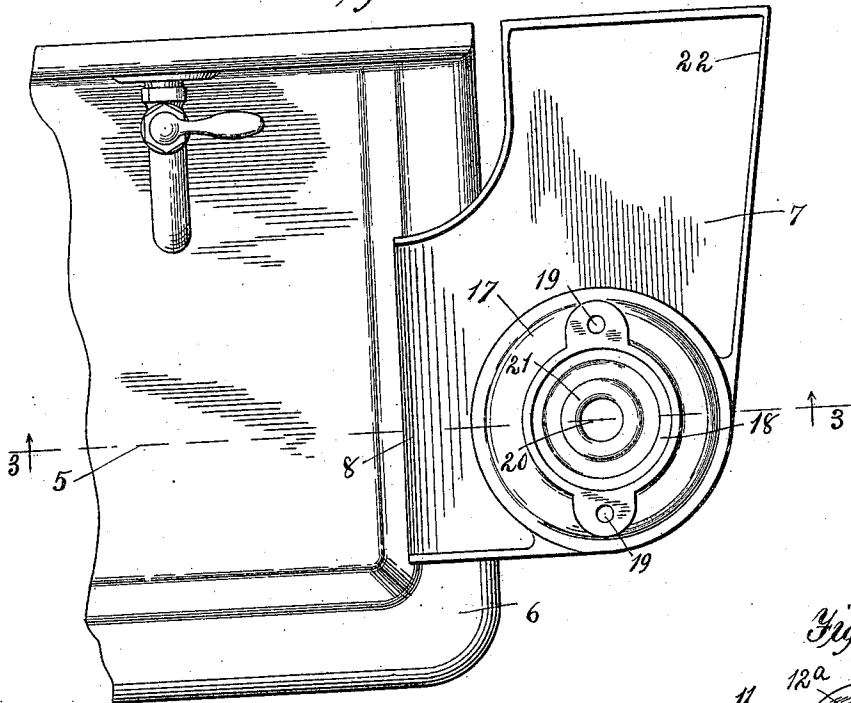


Fig. 2.

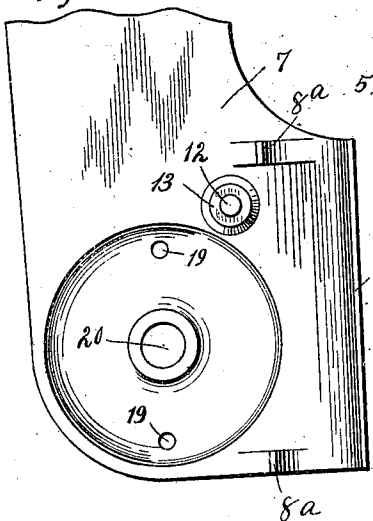


Fig. 3.

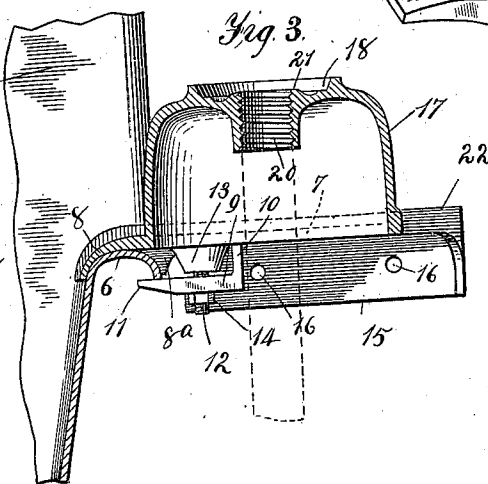
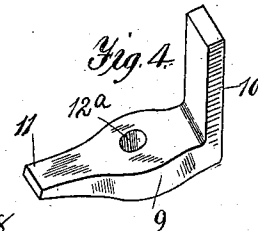


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

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PUMP-BASE.

975,752.

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To all whom it may concern:

Be it known that I, JOHN J. DIVEKEY, a citizen of the United States, residing at Aurora, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Pump-Bases, of which the following is a specification.

My invention relates to plumbing devices and has especial reference to attachments for sinks.

The chief objects of the improvements which constitute the subject matter of this application for patent are:—to provide a combined pump-base and shelf that can be readily attached to and detached from a sink; to supply an ornamental device of the character stated that can be applied to sinks of usual pattern without cracks or crevices for the accumulation of dirt; and to furnish attaching means for said device that may be adjusted to fit sinks of different sizes.

In the adaptation of a pump base of common type to a sink, it is the usual practice to provide an extension plate or shelf supported in part by a bracket and also resting upon the sink edge, the latter being of special form or provided with a depression in which the margin of the shelf rests, and the pump base is placed upon the said plate or shelf and secured by bolts, suitable packing being placed between the contacting surfaces. One objection to this construction is the opportunity for dirt to lodge in the crevices and corners, especially around the pump base where the packing is placed, rendering it very difficult to keep the parts clean, and in a sanitary condition; and it is a very important object of the present invention to avoid joints, holes, sharp corners and angles in which dirt may accumulate, thus producing a fixture that can be easily kept clean with very little effort.

I accomplish the desired results, by employing the device illustrated in the accompanying drawing, which forms a part of this application, the details of construction and manner of attaching being shown in the following views:—

Figure 1 is a top plan view, showing my improved pump base attached to a sink, only a portion of the latter being shown; Fig. 2 is a fragmentary view showing the under side of the front portion of the pump base; Fig. 3 is a vertical sectional view taken on the line 3—3 of Fig. 1, a portion of the sink

being omitted, and Fig. 4 is a perspective view of the attaching clamp.

Referring to the details of the drawing, the numeral 5 indicates a sink of usual form. Such fixtures are commonly constructed of iron, finished in enamel and have the margin 6 extended or curved to form a rounded edge, as shown. This projecting margin or flange is utilized in the manner illustrated, to form a support for the pump base. This base comprises a plate 7 of suitable dimensions having a portion of one side bent downwardly to form a lip 8, which is curved in cross-section to fit closely over the rounded surface of the said flange 6 as shown in Fig. 3, the opposite side of the flange being engaged by suitably curved lugs 8^a cast upon the under side of the plate 7. The said lip is secured in position by a clamping member comprising a body 9 having one end upturned to form an angular bearing lug 10. When assembled, the point 11 of the clamp extends beneath and engages the outer edge of the flange 6 of the sink, while the end 10 of the clamp bears against the under side of the plate 7, as shown in Fig. 3. A stud bolt 12 depends from a boss 13 cast integral with said plate, passes through a hole 12^a in the clamp and is engaged by a nut 14, which serves to hold the lip firmly clamped upon the ledge 6. In practice, it will be found desirable to make this clamping device adjustable to provide for variations in the thickness of the ledge 6. This is done by making the lug 10 of maximum length for all conditions and a portion of the end is cut off to suit the particular case and the bolt is also made to extend below the boss 13 far enough to suit any usual variation in the depth of the ledge or flange 6.

The rear end of the plate 7 is furnished with a downwardly projecting vertical flange 15 having holes 16 through which screws or bolts may be inserted to secure the plate to the wall or other support to which the sink is fastened.

Upon the front portion of the plate 7 is formed a pump seat or base 17, provided with a recess 18 to receive the end of a pump casing or barrel (not shown) which is secured in the usual manner by bolts which pass through holes 19. The base proper is furnished with a threaded hole 20 to receive the end of the pump pipe, and this opening is surrounded by a pump valve seat

21. The edges of the plate 7, with the exception of the lip 8 are provided with a flange 22 forming a raised margin which serves to prevent soap which may be placed on the plate, from falling on the floor, and prevents any water which may fall upon the plate from running over said edges, and the downwardly curved lip 8 forms an outlet which provides drainage for the plate surface into the sink.

The application of my improved pump base will be readily understood by any one skilled in the art to which this invention pertains. No preliminary preparation of the sink is necessary, nor will any change in the form or contour of the fixture be required, although when desired, the sink ledge or margin may be recessed to receive the lip 8, as in the types of attachment in common use. The lip 8 having been placed upon the ledge 6 of the sink in the required position, the flange 15 is secured to the wall by suitable screws, after which the clamp 9 may be fitted by cutting off so much of the end of the lug 10 as required, and then clamped in position, thus securing the device firmly in position.

It will be noted that the entire structure, with the exception of the clamp 9, is cast in a single piece, all corners and reëntrant angles being rounded so as to prevent dirt from lodging, and the surface may be easily kept clean and free from any unsanitary accumulations. The supply pipe (not shown) is screwed into the boss 20 from the lower side and serves as an additional support for the base.

Having thus described my invention what I claim is:—

1. An attachment for sinks, consisting of a plate having a downwardly curved lip along one edge and an upstanding flange at its other edges, a pump-base extending upwardly from said plate and formed inte-

grally therewith, said base having a valve seat, means for attaching a supply pipe and means for attaching a pump thereto, and means for supporting said plate.

2. An attachment for sinks, consisting of a plate having a lip adapted to engage and overhang the end of the sink, and having a portion adapted to form a shelf, a hollow pump-base extending above the plane of said plate and formed integrally with the plate, said base having a valve-seat formed therein, means integral with said base for attaching a supply pipe and a pump casing, and means for supporting said plate.

3. An attachment for sinks consisting of a plate forming a shelf having a flange adapted to engage, rest upon and overhang the margin of a sink, a pump-base integrally formed with said shelf and having a valve-seat and a pipe connection, and means for removably connecting said shelf with a sink.

4. An attachment for sinks consisting of a plate forming a shelf having a portion overhanging the end of the sink, a pump-base formed integrally with said plate, means for connecting a pump and a supply pipe to said base, means detachably connecting said plate with a sink, and means for supporting said plate independently of the sink.

5. In a pump base adapted to be attached to a sink, the combination of a plate, a raised pump seat formed integral with the plate, a lip adapted to engage the margin of a sink, stop lugs on the plate coöperating with the said lip to engage the sink margin, an adjustable clamp for the plate, and an attaching flange on the plate.

In testimony whereof I affix my signature in the presence of two witnesses.

JOHN J. DIVEKEY.

Witnesses:

L. RACKMYER,
R. B. HORTON.