J. HOCHBERGER.

GASKET.

APPLICATION FILED OCT. 27, 1919.

1,362,623. **Patented Dec. 21, 1920.**

Fig. 1.

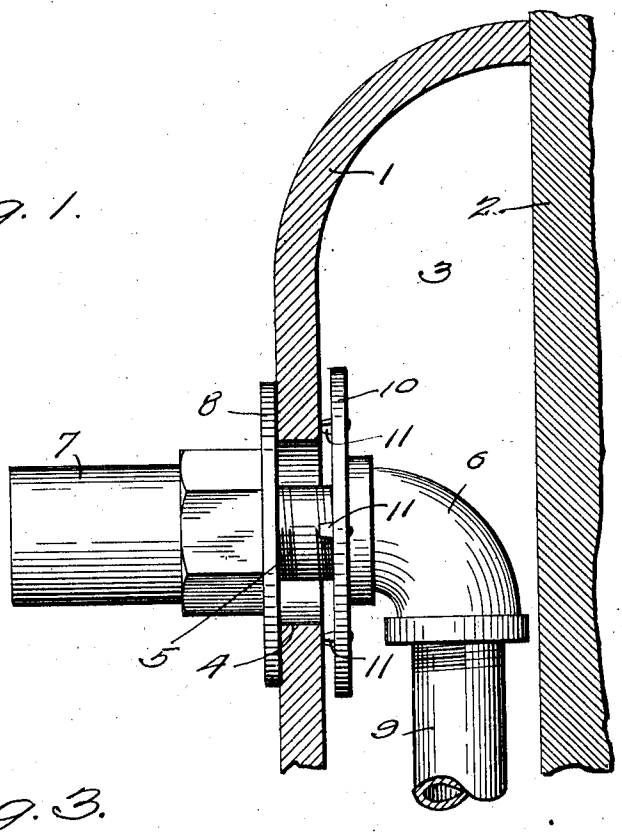


Fig. 3.

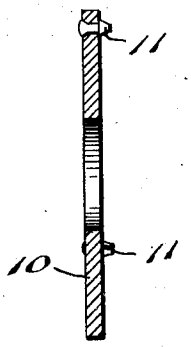
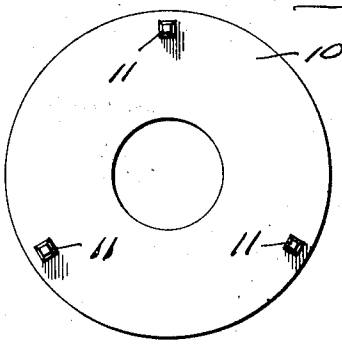


Fig. 2



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JOHN HOCHBERGER, OF CHICAGO, ILLINOIS.

GASKET.

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Application filed October 27, 1919. Serial No. 333,777.

To all whom it may concern:

Be it known that I, JOHN HOCHBERGER, a citizen of the United States, residing at Chicago, in the county of Cook, and State of Illinois, have invented a new and useful Gasket; 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 present invention relates to a gasket or washer, and has for its object to provide a device of this character which embodies novel features of construction whereby it will securely grip and obtain a firm bearing against a surface against which it is forced without the necessity of applying an excessive pressure to the washer.

Further objects of the invention are to provide a device of this character which is comparatively simple and inexpensive in its construction, which can be used in connection with standard plumbing and electrical fittings without the necessity of making any changes therein, and which will be especially advantageous when utilized in connection with easily breakable surfaces which will not stand much strain and in connection with which it would be dangerous to apply a heavy pressure to the gasket or washer.

With these and other objects in view, the invention consists in certain novel combinations and arrangements of the parts as will more fully appear as the description proceeds, the novel features thereof being pointed out in the appended claims.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a sectional view through the back of a sink, showing one of the washers utilized in connection with the ordinary pipe nipple and fittings associated therewith.

Fig. 2 is a detached plan view of the washer.

Fig. 3 is a sectional view through the washer.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

While the invention is shown for the purpose of illustration as utilized in connection with the pipe fittings of a sink, it will be obvious that this is merely for illustrative purposes and that there are many other places in which such washers can be used to advantage. In Fig. 1 of the drawing, the numeral 1 designates the back of a sink which is fitted against a wall 2, a space 3 being provided between the wall and sink back. An opening 4 is formed in the back of the sink, and the usual pipe nipple 5 extends through this opening, the inner end of the nipple engaging one arm of a conventional elbow 6, while the outer end thereof is threaded in the tail piece 7 of an ordinary sink bib. This bib has a flange 8 which should be screwed up against the back of the sink when the parts are in proper position. The other arm of the elbow 6 engages a pipe 9 in the conventional manner.

A washer 10 which is constructed in accordance with the invention is fitted upon the pipe nipple 5 so that it is interposed between the elbow 6 and the sink back 1. This washer is formed of some hard or rigid material such as iron, and is provided upon one side thereof with a series of comparatively soft teeth 11 which project laterally and are adapted to engage and be partially crushed against the surface toward which the washer is forced when the fixtures are tightened. These lugs or teeth 11 are preferably formed of lead, and in the present instance they are shown as constructed with shanks 12 which are fitted within corresponding openings in the washer. These shanks may be mashed or otherwise treated to anchor the teeth securely in position after they have been applied to the washer. The rear face of a sink back ordinarily has a rough surface, so that when the soft metal teeth are partially mashed or crushed against the back of the sink they will obtain a firm grip thereon. When used in this manner the device overcomes one of the worst annoyances which is incident to the installation of plumbing. No provision is ordinarily made for fastening the piping at the rear of the sink, and this piping is ordinarily secured to the wall by means of tin straps and screws. This requires a considerable amount of time, and does not make a practical job, since it only holds the piping against movement in one direction, and these straps very often become unfastened and let the bibs pull away from the sinks, with the result that the entire sink has to be torn down in order to

make the necessary repairs. This difficulty is overcome in the most effective manner by the use of this washer. The washer can also be used in electrical installation, and also in situations where it may be desired to deaden sound. The washer will also be useful in attaching bolts, rods, piping and the like to glass, tile, china and other easily breakable surfaces which will not stand much strain, since the soft lead teeth or lugs will obtain a grip on the surface with a very light pressure. It will also be obvious that these lead teeth are adapted to be crushed down to different degrees depending upon the differences in pressure which may be exerted at different points about the coupling, thereby enabling the washer member to accommodate itself to and compensate for slight inequalities in the surfaces of the fixtures in connection with which it is used.

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

1. A rigid washer provided with relatively soft teeth projecting laterally from one of the faces thereof.

2. A rigid metal washer provided upon one face thereof with soft metal teeth which project laterally therefrom and are adapted to be crushed down to different degrees depending upon the differences in pressure which may be exerted at different points about the coupling.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN HOCHBERGER.

Witnesses:

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