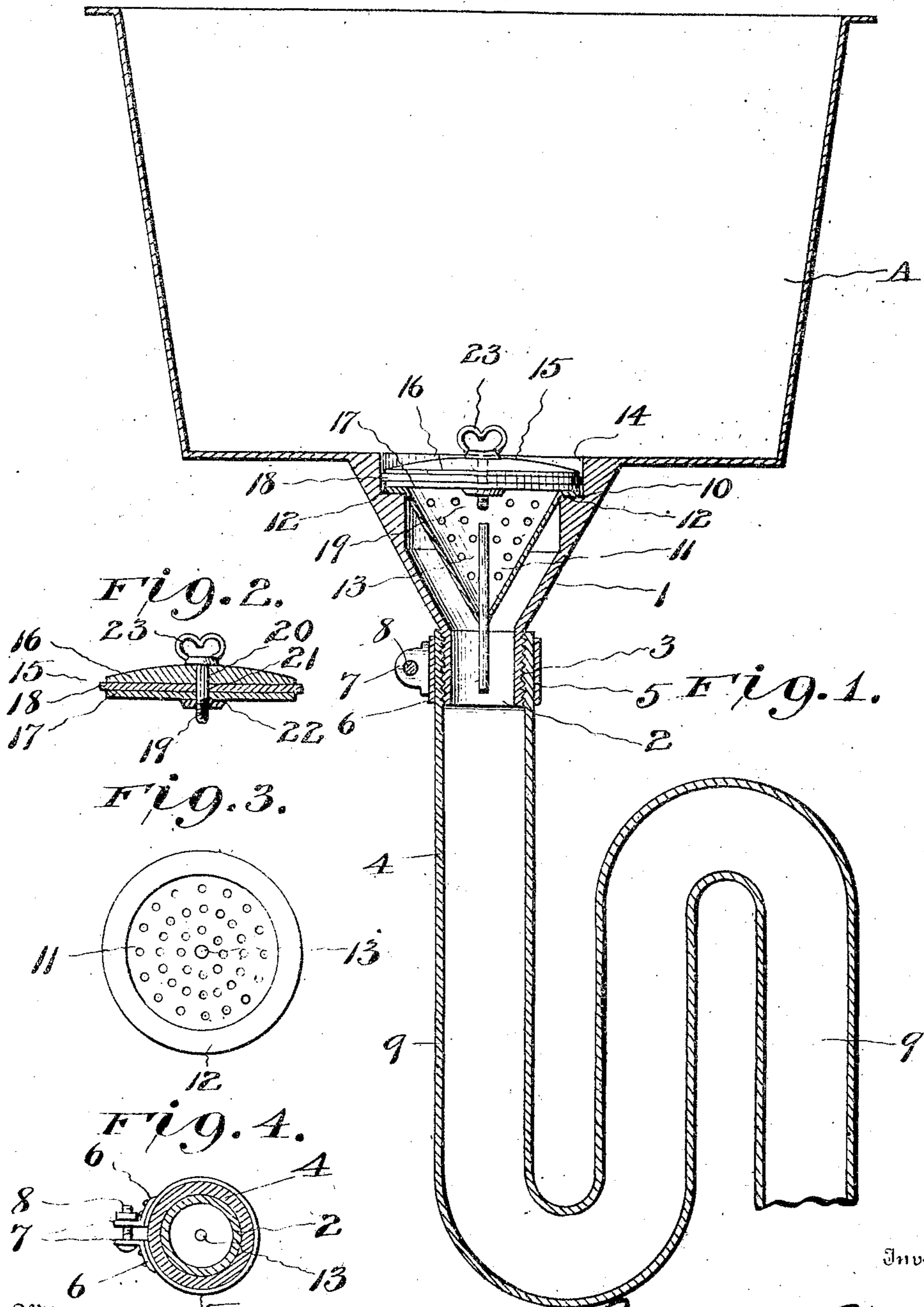


W. J. REED.
KITCHEN SINK.

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938,607.

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Inventor

Witnesses

James V. Planchard
W. Randolph Jr.

William J. Reed
D. A. Gourick
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM J. REED, OF JANESVILLE, WISCONSIN.

KITCHEN-SINK.

938,607.

Specification of Letters Patent.

Patented Nov. 2, 1909.

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To all whom it may concern:

Be it known that I, WILLIAM J. REED, a citizen of the United States, residing at Janesville, in the county of Rock and State of Wisconsin, have invented certain new and useful Improvements in Kitchen-Sinks, of which the following is a specification.

My invention relates to kitchen sinks and has for its object the provision of a sink that will be perfectly sanitary, having in addition to the usual trap a plug seated in a recess at the receiving end of the drain pipe to exclude sewer gas and other odors usually apparent in the drain pipes of sinks, caused by the grease and decaying particles of vegetation caught in the trap. The shoulder formed by the depression for the plug is utilized to support a screen to catch articles and larger pieces of vegetation, etc.; said screen being constructed with a rod extending inside and outside of the strainer to be used as a handle for lifting the strainer out of the drain pipe and emptying it.

The construction of my improved sink will be described in detail hereinafter and illustrated in the accompanying drawings in which—

Figure 1 is a view partly in section of my improved sink, Fig. 2, a detail view of the plug, Fig. 3, a detail view of the strainer, and Fig. 4, a detail view of the means for securing the drain pipe to the sink outlet.

In the drawings similar reference characters indicate corresponding parts in all of the views.

A indicates the sink of the ordinary construction and having a drain outlet 1 formed integral with the bottom thereof, said outlet being tapering as shown and ending with a tubular portion 2 having a threaded exterior 3.

4 indicates the lead drain pipe secured on the threaded portion 3 and held in position by means of a strap 5 having angular lugs 6 secured to its ends, the projecting portions 7 of said lugs being perforated to receive a bolt 8 to clamp the strap on the pipe 4. The pipe 4 is formed in the usual S-shaped trap 9.

The inside of drain outlet 1 is formed with an annular shoulder 10 below the bottom of the sink A on which is seated an inverted cone-shaped strainer 11 by means of an outwardly extending flange 12.

13 indicates a rod secured in the small end of strainer 11 and extending inside and outside of the strainer as shown to form handles for lifting the strainer out of the outlet 1, dumping it and returning it to its position.

The recess 14 above shoulder 10 is formed to receive a stop plug 15 consisting of two disks 16 and 17 of rigid material and between them a disk 18 of packing material such as rubber, leather, or other similar material, said disks being held together by means of a screw bolt 19 inserted through holes 20 and 21 in disks 16 and 18 respectively and having its threaded end engaging threaded hole 22 in disk 17, the upper end of the bolt being formed with a loop or other structure 23 to be used as a handle.

In use the plug 15 is inserted in the recess 14 and the sink A may then be filled with water and used as a receptacle for washing dishes, or preparing food for cooking and when it is desired to empty the sink all that is necessary is to remove the plug 15 from the recess. As soon as the sink is emptied the plug 15 is placed again in the recess 14 and serves to prevent any odors from the drain pipe 4 getting into the house. When it is desired to empty the strainer it may be lifted out of the drain outlet 1 by using rod 13 as a handle, the upper end inside of the strainer being used for removing and replacing the strainer and the lower end of the rod outside of the strainer being used to hold the strainer in an inverted position to empty it.

Having thus described my invention what I claim is—

In combination with a drain outlet for kitchen sinks having an inwardly extending shoulder, an inverted, cone-shaped strainer having a flange around its upper end to seat on the shoulder aforesaid, and a rod secured in the lower end of the strainer and rigidly fastened intermediate of its ends, the ends of the rod inside and outside of the strainer forming hand holds for convenience in handling and dumping it.

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

WILLIAM J. REED.

Witnesses:

HENRY F. CARPENTER,
EDWIN F. CARPENTER.