

A. J. SMITH.
 SINK STRAINER.
 APPLICATION FILED JUNE 15, 1914.

1,127,301.

Patented Feb. 2, 1915.

Fig. 1.

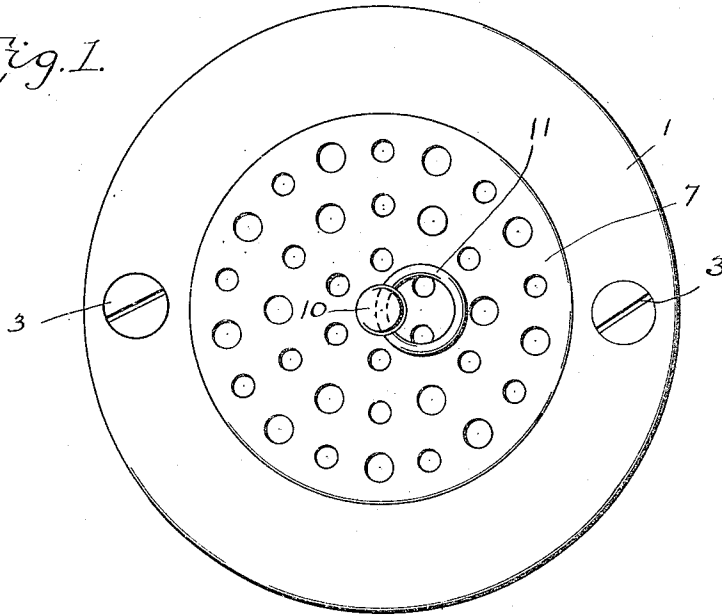
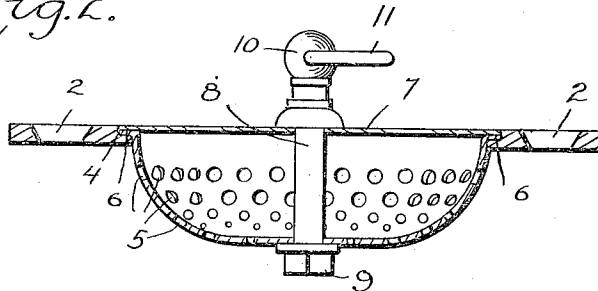


Fig. 2.



Witnesses

R. Jones
[Signature]

Inventor

A. J. Smith

By

[Signature]
 Attorney

UNITED STATES PATENT OFFICE.

ARTHUR J. SMITH, OF ST. LOUIS, MISSOURI.

SINK-STRAINER.

1,127,301.

Specification of Letters Patent.

Patented Feb. 2, 1915.

Application filed June 15, 1914. Serial No. 845,289.

To all whom it may concern:

Be it known that I, ARTHUR J. SMITH, a citizen of the United States, residing at St. Louis and State of Missouri, have invented certain new and useful Improvements in Sink-Strainers, of which the following is a specification.

This invention relates to sink strainers, and one of the principal objects of the invention is to provide a simple device which will prevent the waste pipe from becoming stopped up or clogged by matter thrown into the sink, and to provide a device which will catch all of the refuse matter and permit the strainer to be readily removed by hand without the use of tools for cleaning the same.

Another object of the invention is to provide a strainer having a ring or handle for removing the same from its frame or ring connected to the sink, said strainer adapted to be readily cleaned and replaced whenever desired to catch all the refuse matter thrown into the sink, and thus prevent clogging of the waste pipe or trap.

These and other objects may be attained by means of the construction illustrated in accompanying drawing, in which,

Figure 1 is a top plan view of a sink strainer made in accordance with this invention, and Fig. 2 is a horizontal vertical section of the same.

Referring to the drawing, the numeral 1 designates a ring or support for the strainer, said ring having countersunk screw holes 2 at the opposite side thereof to receive the screws or bolts 3 which hold the ring to the top of the sink. The ring 1 is provided with a recess 4 to receive the strainer flush with the upper face of the ring.

The strainer comprises the cup-shape foraminous or perforated dome 5 which is disposed below the bottom of the sink, and

is provided with a flange 6 which is supported in the recess 4. A plain perforated disk 7 is connected to the top or dome 5 by means of a bolt 8 which extends centrally through the disk 7 and through the cup 5, said bolt being provided with a nut 9 on its lower end and an integral head 10 on its upper side, said head being provided with a pivoted ring 11.

From the foregoing it will be obvious that when the ring 11 is lifted the cup 5 and the disk 7 are both removed together from the sink and since the cup 5 and the disk 7 will catch all the refuse matter deposited in the sink, when the strainer is cleaned and replaced, which can be done without tools, the waste pipe and the trap will be kept clean and will not require repairs.

Various changes may be made in the details of construction without departing from the spirit and scope of the invention as defined in the claims.

What is claimed is:—

1. A sink strainer comprising a ring having a recessed inner edge, a perforated cup, a disk, a bolt connecting said disk and cup, and said disk and cup each being provided with a flange to rest in the recess in said ring.

2. A sink strainer comprising a ring having a recessed inner edge, a perforated cup and disk connected together by a bolt having a handle and ring thereon, said cup and disk adapted to rest in the recess of said first mentioned ring, and to be readily removed by hand for cleaning the same.

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

ARTHUR J. SMITH.

Witnesses:

WALTER H. HALEGGER,
WALTER E. BAUER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."