

125,118

# UNITED STATES PATENT OFFICE.

WILLIAM H. CHASE AND GEORGE WHITE, OF WASHINGTON, D. C.

## IMPROVEMENT IN COVERS AND TRAPS FOR SEWER-BASINS.

Specification forming part of Letters Patent No. 125,118, dated April 2, 1872.

*To all whom it may concern:*

Be it known that we, WILLIAM H. CHASE and GEORGE WHITE, of Washington, in the District of Columbia, have invented certain new and useful Improvements in Cover and Trap for Sewer-Basins; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of our invention consists in the construction and arrangement of a "cover and trap for sewer-basins," as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view, and Fig. 2 a longitudinal vertical section, representing a cover for a sewer-basin located at the corner of a street.

A represents the top of the sewer-basin cover and trap, having three straight sides and one curved; also an opening, *a*, which may be circular or any other desired shape, with a shoulder or rim, *b*, below the surface of the top A. Upon this shoulder or rim the lid B rests. From the front or curved side of the top A projects downward a flange, C, and to the lower end of the same is attached a

plate, D, which projects forward, forming the sill of the trap. This plate D is provided with a concavity, as shown, and, the flange C having an opening, they together form the mouth of the sewer-basin. The entire top A, with the flange C, is cast in one piece of iron, the top being corrugated and the plate D bolted firmly in its place, making the whole not only cheap, but durable and very easily put in position at the corners of streets. Under the top A is hung or pivoted a valve, E, so arranged that its normal position is to close the mouth, but the flow of water into the basin will open the valve. By this means all offensive odors will in a great measure be prevented from rising from the sewer.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A cover or trap for sewer-basins, consisting substantially of the corrugated top A, cast in one piece, of iron, with the flange C, and the cover B, plate D, and valve E, all as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this      day of February, 1872.

WILLIAM H. CHASE.  
GEORGE WHITE.

Witnesses:

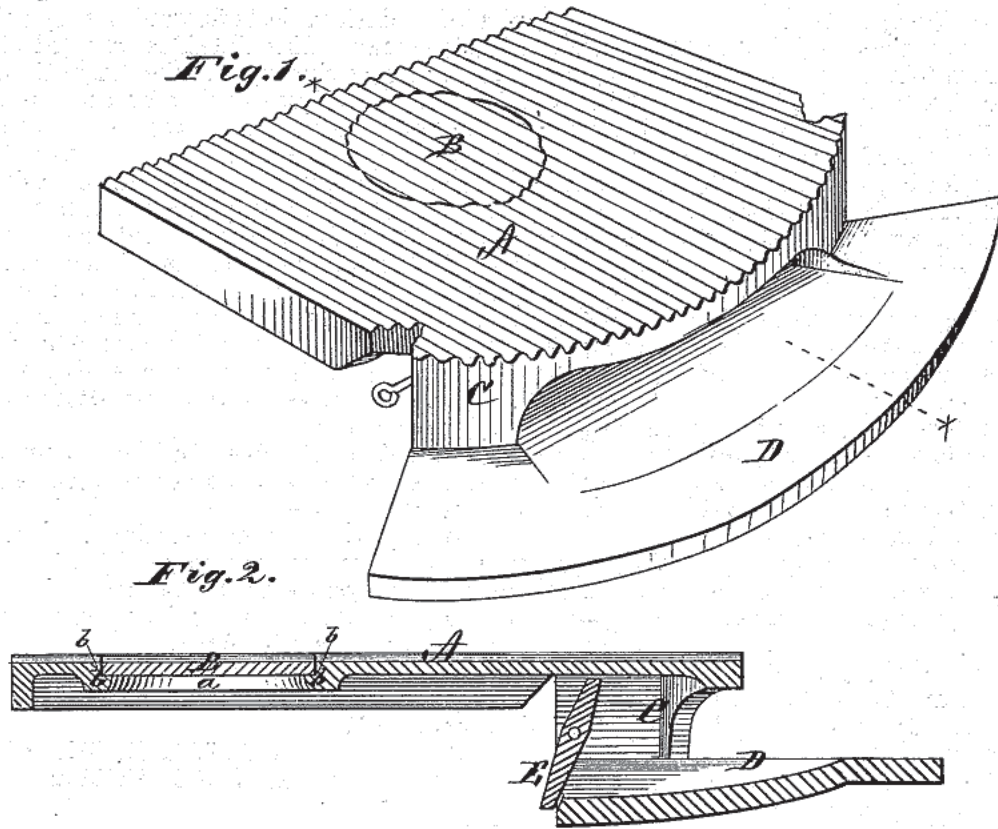
DAVID R. SMITH,  
EDWARD LACY.

WILLIAM H. CHASE & GEORGE WHITE.

Improvement in Cover and Traps for Sewer Basins.

No. 125,118.

Patented April 2, 1872.



Witnesses,  
H. L. Perrine  
John Martin

William H. Chase Inventors.  
George White