

W. M. Kepler,

Urnal.

No. 97,930.

Patented Dec. 14, 1869.

Fig. 1.

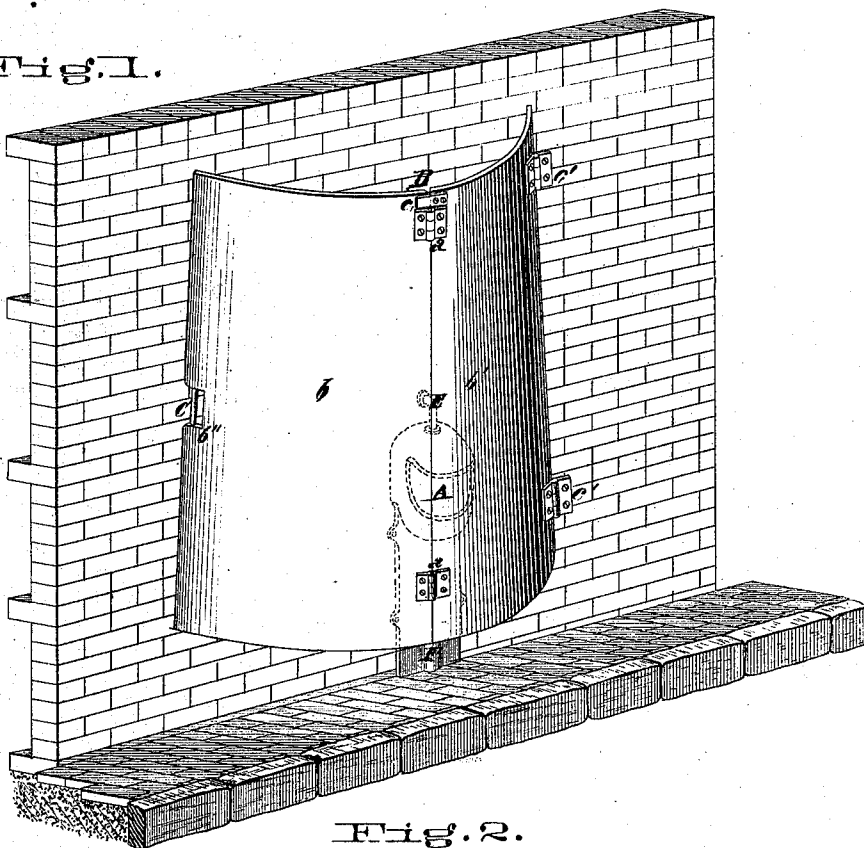


Fig. 2.

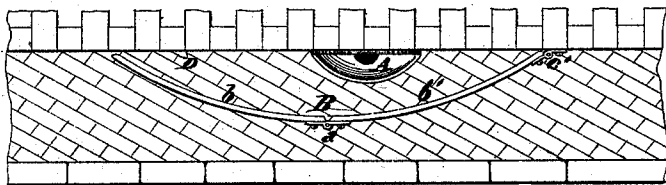
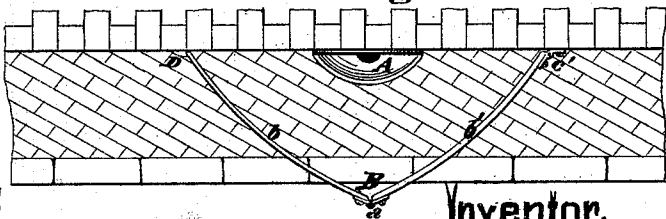


Fig. 3.



Attest.
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WILLIAM M. KEPLER, OF CINCINNATI, OHIO.

Letters Patent No. 97,930, dated December 14, 1869.

IMPROVEMENT IN PUBLIC URINALS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM M. KEPLER, of Cincinnati, Hamilton county, State of Ohio, have invented certain new and useful Improvements in Public Urinals; and I do hereby declare the following to be a sufficiently full, clear, and exact description thereof, to enable one skilled in the art to which my invention appertains, to make and use the same, reference being had to the accompanying drawings, making part of this specification.

My invention relates to that class of public urinals which is provided with adjustable shields, in which the urinal-bowl is enclosed; and consists of such a construction of shield as will enable it to be opened and adjusted by the operator, easily, conveniently, and with one hand only. It is designed to remedy serious defects existing in others of this class, which render them almost entirely inoperative for the purpose designed, owing to the difficulty of accomplishing the required adjustment of the shield before the urinal can be conveniently used.

In the accompanying drawings—

Figure 1 is a perspective view of a public urinal, embodying my invention.

Figure 2 is a plan of the same in the enclosed position, the position in which the urinal and shield occupy but little of the street or alley.

Figure 3 is a plan of the same, in the position when occupied.

A is the urinal-bowl, as ordinarily constructed, E being the water-supply pipe, and F the discharge-pipe, covered by the customary guard.

The adjustable shield B is designed for the same purpose as others of this class, viz, to occupy, when not in use, but little of the alley or street, and yet be adapted, by change of position, to enclose sufficient interior space for the comfortable occupancy of the person using the urinal.

The peculiar construction of my improved shield is clearly exhibited in all the figures.

It is composed of two parts, *b b'*, hinged loosely together at *a*, and to the wall of the building at *c*.

The shield B is attached to the wall by gravitating hinges, as shown, to adapt it for closing automatically

when not in use; and in order that the entire shield may not present the appearance of being not vertically set, the outer or open end of the shield is cut tapering, to correspond with the hinged side.

To prevent the parts *b b'* of the shield from doubling up backward, I attach the stop *e*, which limits the play of the hinge, as shown.

A portion, *b''*, of the part *b* is cut away, as shown, and a handle, C, is formed within it, in the manner exhibited. This simple device permits of the hand of the operator being changed from the outside of the shield to the inside without removal, and thus enables him to open the shield, walk behind it, and draw the part *b* after him, without removing the hand.

The shield B is adjusted to the position shown in fig. 3, in order to give room for a person inside the shield; and is retained in this position, while in use, by means of the stop D in the wall against which the shield rests.

When released from the stop D, and when the person using the urinal has vacated the interior of the shield, it falls automatically, and takes the position shown in fig. 2, giving room for the passage of vehicles in the alley, &c.

If considered necessary, a spring can be attached between the wall and part *b'*, near the hinges *c*, to assist in closing the shield promptly.

Modifications of construction can, of course, be made in the formation of some of the parts specified, without materially changing the operation of the same.

I claim herein as new, and of my invention—

The arrangement of the urinal A and curved shield B, composed of two parts, *b b'*, the said parts being hinged together at or near the centre of the shield, and the part *b'* being provided with hinges *c*, for attachment of the shield to the wall, substantially as and for the purpose specified.

In testimony of which invention, I hereunto set my hand.

WM. M. KEPLER.

Witnesses:

FRANK MILLWARD,
CHARLES K. PICKLES.