

(No Model.)

W. S. CARR, Dec'd.

C. E. HOOKE, (formerly C. E. CARR,) and G. D. SCOTT, Executors.

SWINGING URINAL.

No. 262,671.

Patented Aug. 15, 1882.

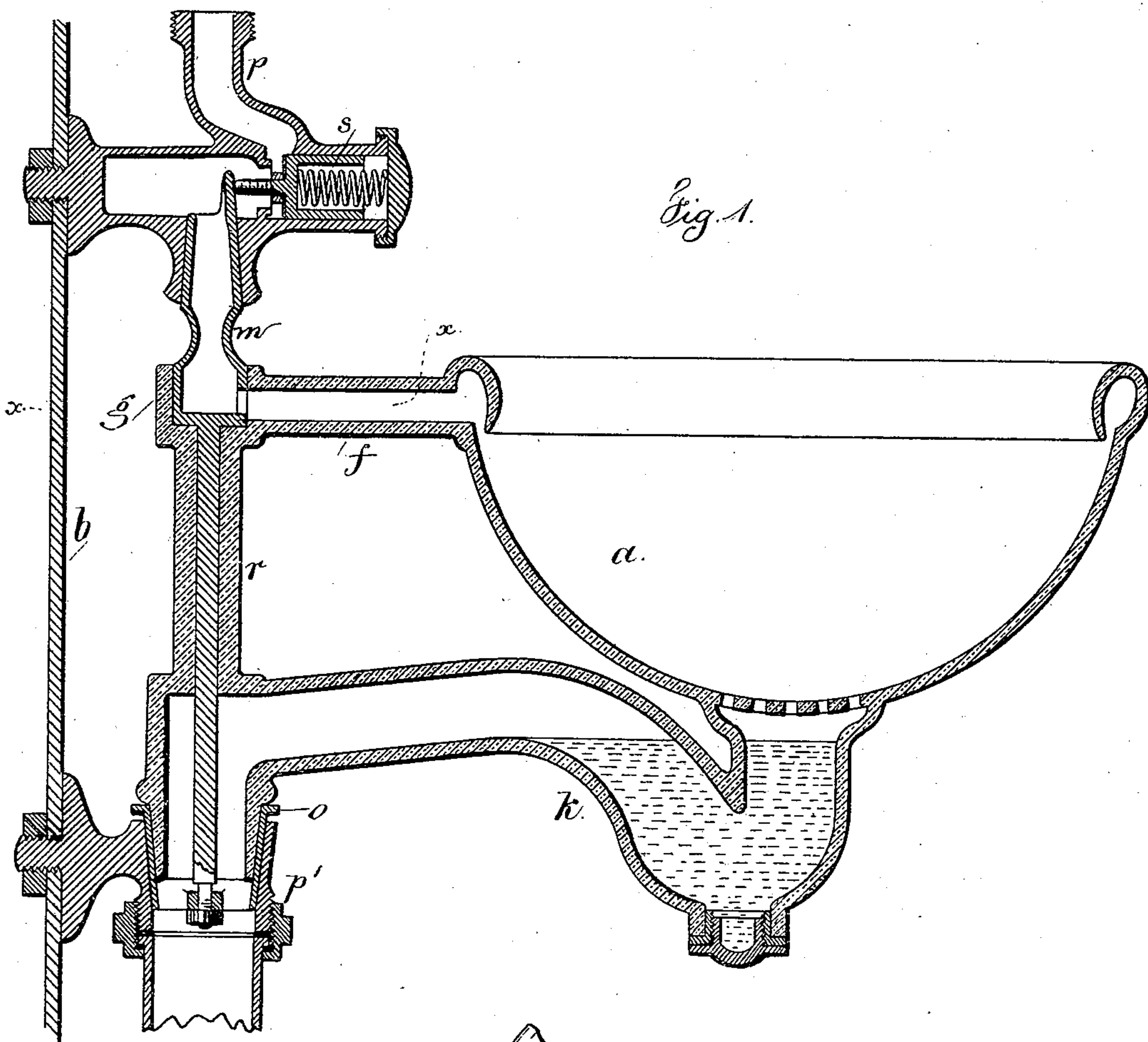


Fig. 1.

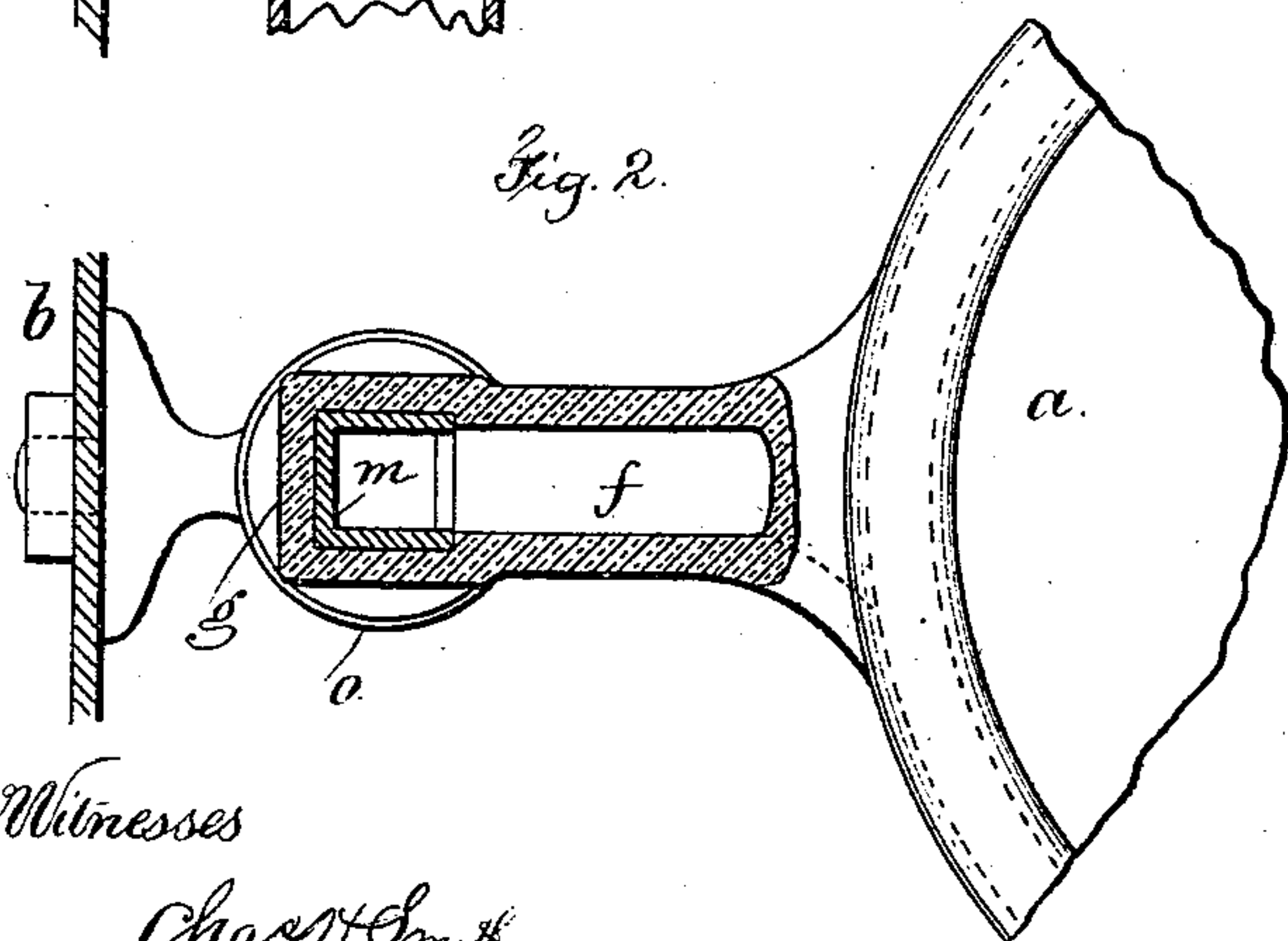


Fig. 2.

Witnesses

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# UNITED STATES PATENT OFFICE.

CLARA E. HOOKE (FORMERLY CLARA E. CARR) AND GEORGE D. SCOTT,  
OF NEW YORK, N. Y., EXECUTORS OF WILLIAM S. CARR, DECEASED.

## SWINGING URINAL.

SPECIFICATION forming part of Letters Patent No. 262,671, dated August 15, 1882.

Application filed May 13, 1882. (No model.)

*To all whom it may concern:*

Be it known that WILLIAM S. CARR, late of the city and State of New York, now deceased, did invent an Improvement in Swinging Urinals, of which the following is a specification.

The object of this invention is to simplify the construction of the swinging urinal and to obtain necessary strength, and at the same time to allow for the use of porcelain for most of the parts, so that they may be kept clean and free from odor. The basin and waterways are made of porcelain or earthenware, and the trap and waste-pipe also are of earthenware, in one piece with the basin, and the valve-plug and waste-water way are in line with a column that forms the axis on which the parts swing.

In Letters Patent No. 45,315 the swinging urinal is made with a porcelain basin set into a metal holder or trunk, and this is provided at the upper end with a valve-connection and at the lower end with a sewer-pipe thimble. In the present invention the pipes and couplings are similar to those in said patent, the improvement being in the basin and porcelain trap, that take the place of the iron trunk and prevents risk of sewer-gases escaping, because the joint between the iron and porcelain is prevented.

In the drawings, Figure 1 is a vertical section of the urinal complete, and Fig. 2 is a sectional plan at the line *x x*.

The iron back *b*, supply water-pipe *p*, valve *s*, and hollow conical plug *m* are similar in construction and operation to the parts in the aforesaid patent, except that the plug *m* is adapted to be connected with the porcelain, as hereinafter set forth.

The basin *a* is made with a hollow rim, forming a water-way, to which the tubular arm *f* is connected, and the same extends to the socket *g*, that receives the lower end of the plug *m*; and *k* is the waste-pipe trap, that extends from the under surface of the basin to the conical thimble *o* of the waste-pipe coupling *p'*; and there is a column, *r*, of porcelain, between the arm *f* and pipe *k*, that is hollow, and into this the stem of the conical plug *m* is fastened. This is preferably made square, so

that the stem and plug will be turned by the swinging of the basin.

It will now be apparent that the water is turned on and off by the swinging of the urinal, as in said patent, and that the present device has all the advantages of the one heretofore made, with the additional advantages of cleanliness and freedom from odor or escaping sewer-gas, because there is no iron trunk and no joints that can leak gas, and the surface of the porcelain, except the interior of the pipes, can be kept entirely clean, and the waste-pipe trap will remain full of water to exclude sewer-gas.

The porcelain basin, waste-pipe trap, tubular arm, and column are all formed together in the usual way in making pottery, and baked to make one piece, and glazed; and I remark that it is preferable to extend the stem of the plug through to the bridge of conical thimble *o*, as shown, so as to fasten the parts firmly together and insure a proper relative position of the thimble to the plug, and to form a vertical pin that strengthens the porcelain at the axis upon which the urinal swings.

What is claimed as the invention of W. S. CARR is—

1. In a swinging urinal, a basin, waste-pipe trap, tubular arm, and connecting-column, made in one piece of porcelain or equivalent material, in combination with the hollow plug *m*, thimble *o*, and waste-pipe coupling, substantially as set forth.

2. In a swinging urinal, the combination, with the supply-pipe and valve, of a basin, waste-pipe trap, tubular arm, and column, made of one piece of porcelain, a conical plug, *m*, a conical thimble, *o*, and a stem extending from the plug *m* to the bridge of the thimble *o*, substantially as set forth.

Signed this 12th day of April, A. D. 1882.

CLARA E. HOOKE,  
*Executrix.*  
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*Executor.*

Witnesses:

GEO. T. PINCKNEY,  
WILLIAM G. MOTT.