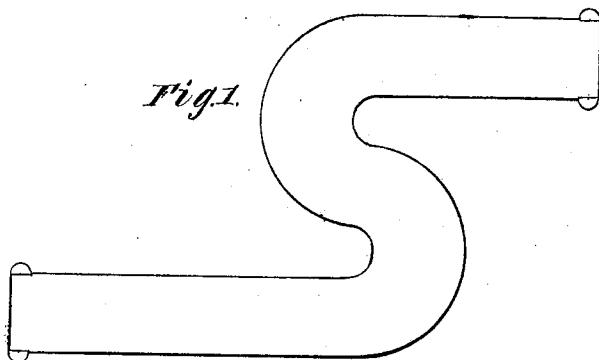


**J. SEMPLE.**  
**Stench-Traps.**

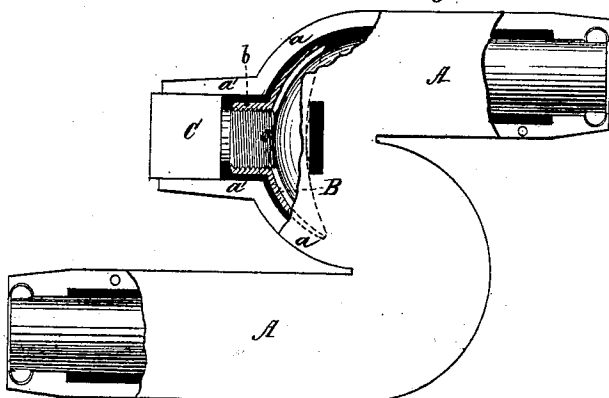
No. 142,739.

Patented September 9, 1873.

*Fig. 1.*



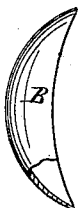
*Fig. 2.*



*Fig. 4.*



*Fig. 3.*



**Witnesses.**

*G. Mathys.*  
*John Heman*

**Inventor.**

*James Semple*

**Per**

*Wm. T. B.*

**Attorneys.**

# UNITED STATES PATENT OFFICE.

JAMES SEMPLE, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN STENCH-TRAPS.

Specification forming part of Letters Patent No. **142,739**, dated September 9, 1873; application filed June 25, 1873.

### CASE A.

*To all whom it may concern:*

Be it known that I, JAMES SEMPLE, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Method of Casting Water-Traps; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a side view of a stench-trap core; Fig. 2, a side elevation, partly broken away, of the casting-mold and appurtenances; Fig. 3, a side view of the metallic re-enforcement; and Fig. 4, a side elevation of the plug which closes the bottom outlet of the trap.

The invention relates to stench-traps. It will first be fully described, and then clearly pointed out in the claim.

In the drawing, A is the mold in which a stench-trap is cast, and *a* the bend thereof. At *a* is a brass or other metallic re-enforcement, B, which is tinned on both sides before being placed in the mold, the re-enforcement being thereby caused to be soldered on both sides to the trap that is formed of the in-poured lead, the inside being also left even and smooth. This becomes necessary in the construction of these traps from the fact that persons are in the habit of thrusting thereinto iron rods or sticks of wood, to relieve them of

any obstacle which may have become temporarily lodged.

In many traps there is required at the bend an outlet-tube, *a'*, which must pass through the re-enforcement B, to enable the trap to be conveniently cleaned. For this purpose I form an internally-threaded neck, *b*, on the re-enforcement B, a corresponding neck, *a'*, on the mold, and employ an end-threaded heavy plug, C, which has on the end a curved concavity, *c*, that abuts against the core, holding the said core at a little distance from the inner face of the re-enforcement to allow of the intermediate inflow of lead.

The plug C and re-enforcement B being screwed together, are placed in the mold A and the leaden trap cast thereon. After the trap is withdrawn the plug is unscrewed, and its place supplied by a metallic screw-plug D.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A stench-trap, provided with a metallic re-enforcement at the bend *a*, as and for the purpose described.

JAMES SEMPLE.

Witnesses:

JAMES H. GRIDLEY,  
SOLON C. KEMON.