

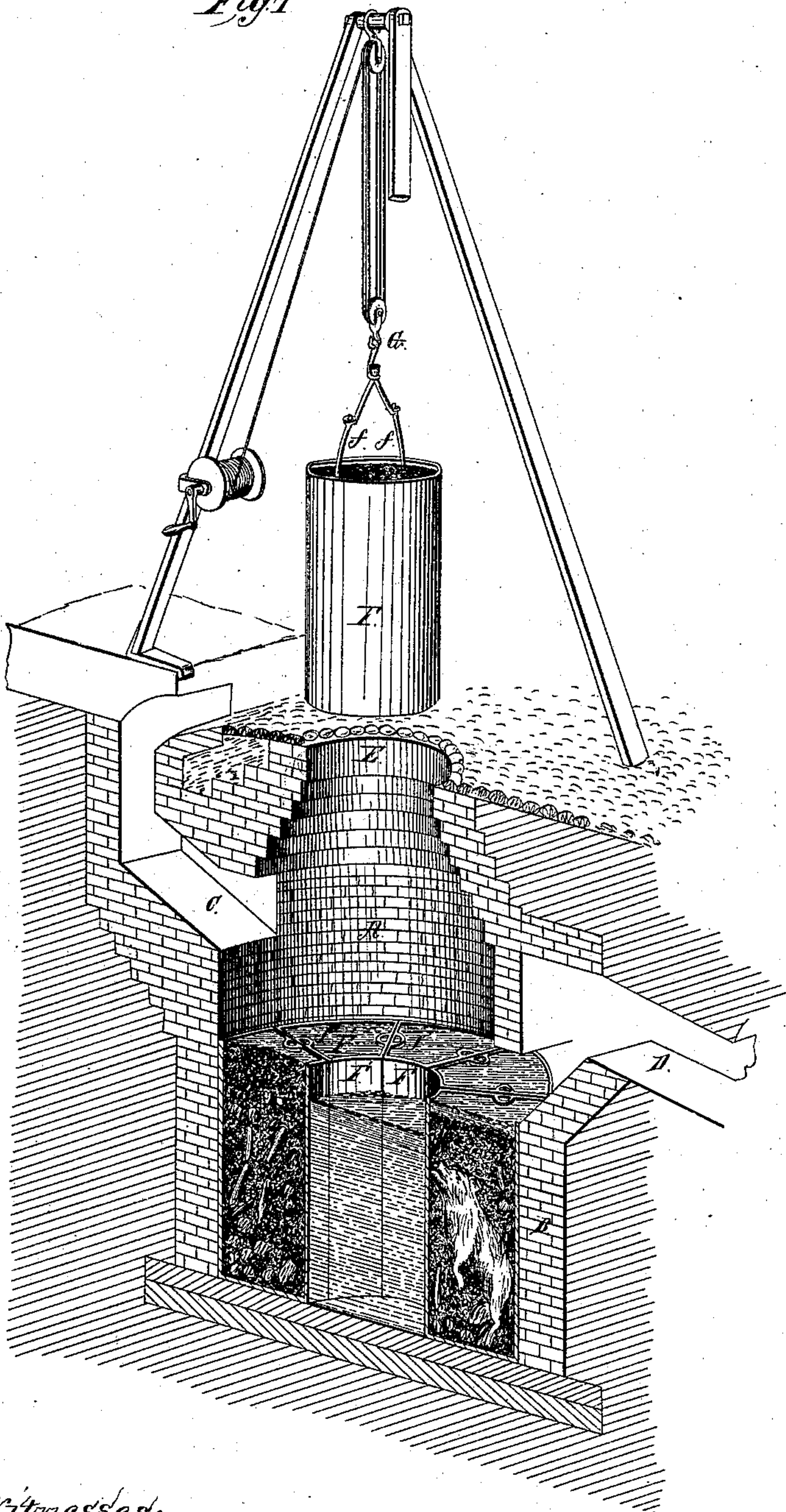
*T. F. Randolph,*

*Sewer Trap.*

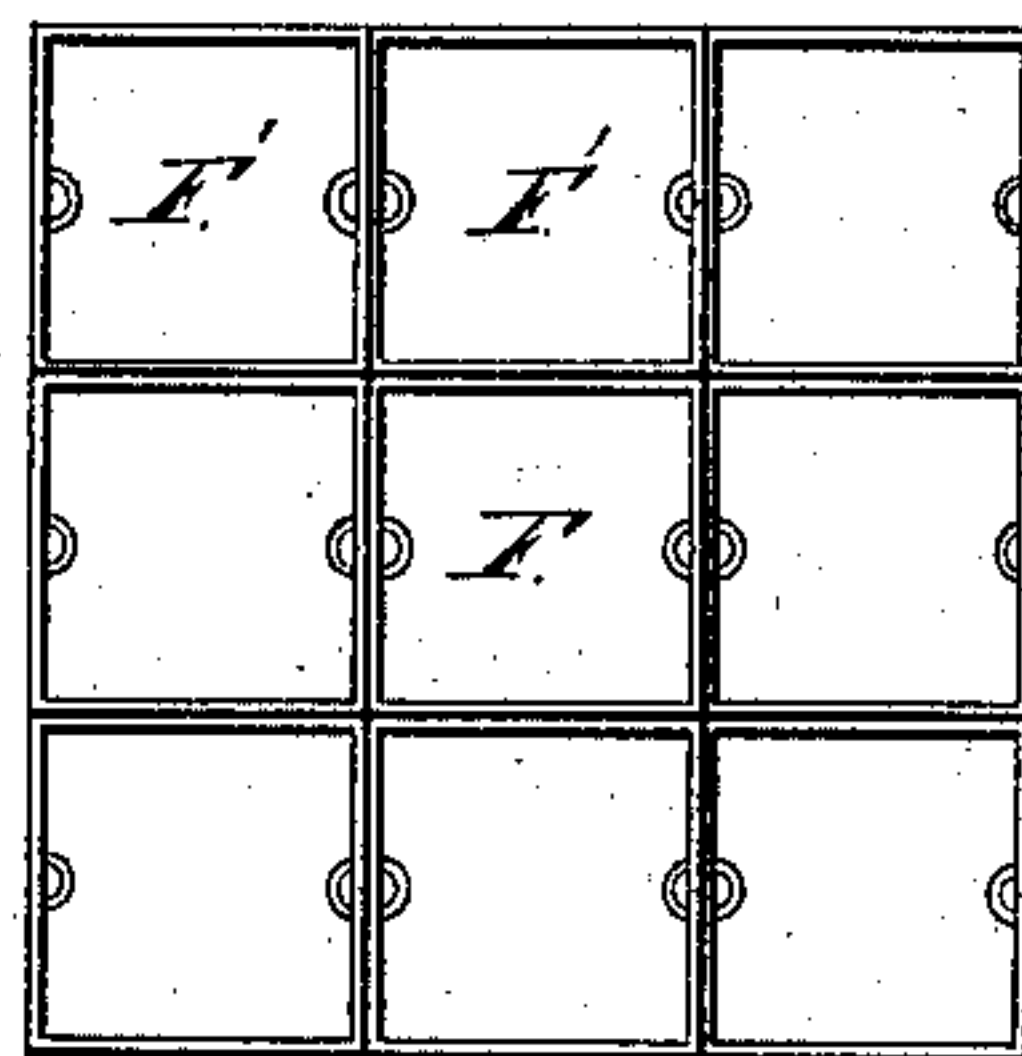
*N<sup>o</sup> 54,598.*

*Patented May 8, 1866.*

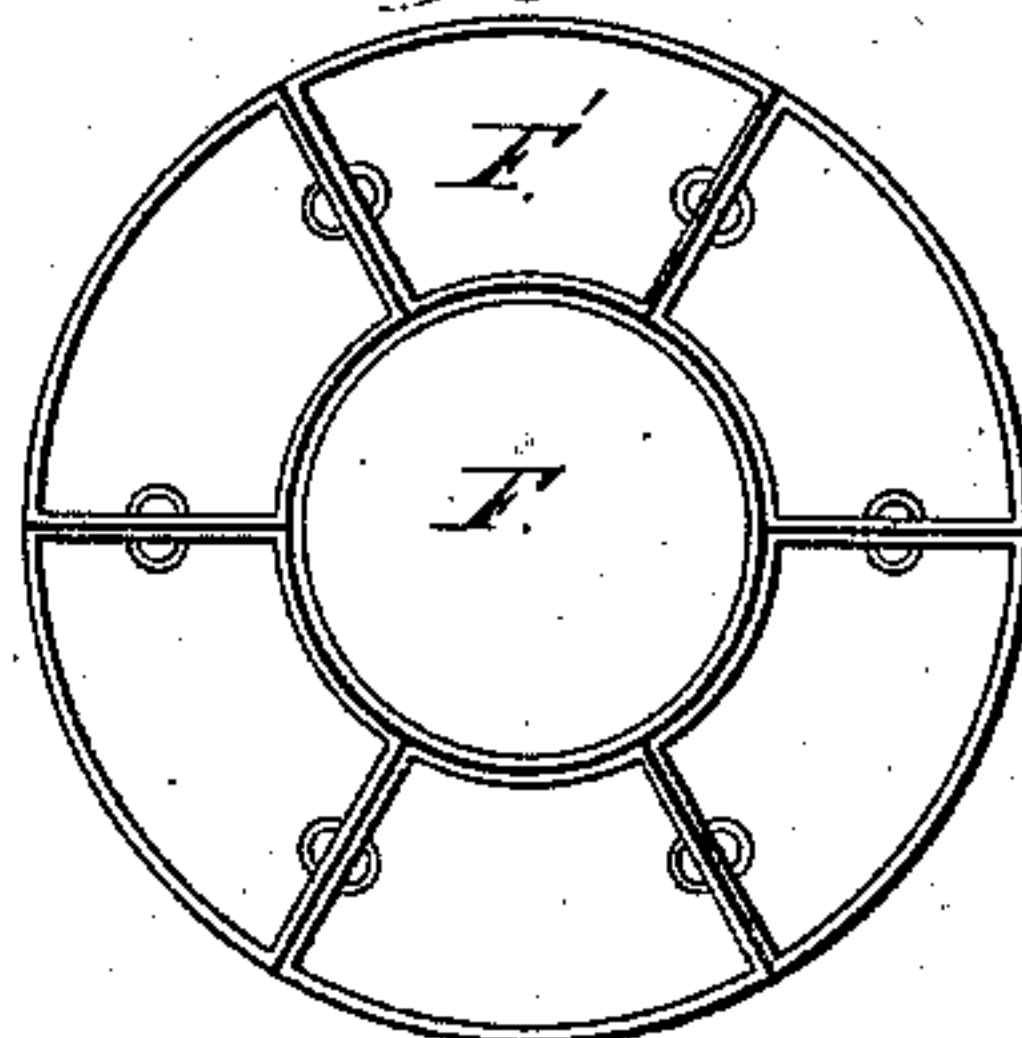
*Fig. 1*



*Fig. 2.*



*Fig. 3.*



*Witnesses:*  
*F. Guillard*  
*Ch. H. H. H.*

*Inventor:*  
*T. F. Randolph.*



# UNITED STATES PATENT OFFICE.

THEODORE F. RANDOLPH, OF CINCINNATI, OHIO.

## IMPROVEMENT IN SEWERS.

Specification forming part of Letters Patent No. 54,598, dated May 8, 1866.

*To all whom it may concern:*

Be it known that I, THEODORE F. RANDOLPH, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Receptacle for the Sediment of Sewers; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention is for facilitating the removal of dirt and offal of sewers, thereby saving nearly all the expense, danger, and unwholesome exposure incident to the present mode.

Figure 1 is a sectional perspective view of an ordinary catch-basin provided with my improvement. Figs. 2 and 3 are top views, representing modifications of my receptacle.

A represents an ordinary catch-basin of a sewer, provided with the customary pit or depression B, inlet and outlet passages C and D, and man-hole E.

F F' are movable vessels, boxes, or receptacles, of galvanized iron or other suitable material, and so formed and of such dimensions as collectively to fill and occupy the pit or depression of a catch-basin, and yet be capable of ready withdrawal through the man-hole.

The central box, F, is located immediately under the man-hole, and is provided with elevated ears *f*, for the engagement of tackling G, employed to lift said box up out of the sewer for emptying. The elevation of the ears *f* should be such as at all times to place them above the contents of the basin.

The other boxes, F', are located around the central box, F, and have ears *f'*, to enable them to be lifted, one by one, out of the basin and emptied and again replaced.

The boxes F F' may be perforated to permit the escape of the water when the boxes are lifted, and for the purpose of enabling them to sink to their places when returned empty to the basin.

Movable bottoms may be provided to facilitate the discharge of the contents of the boxes into a cart or otherwise, or the interiors of the boxes may flare upward for that purpose.

The boxes can be made of any shape, to correspond with the basin or excavation provided for detaining dirt in sewers for the purpose of removal.

The ears *f f'* may be replaced by bails.

Among a number of obvious advantages of my mode of removing the sediment from sewers the following may be cited: The work can be performed in a small fraction of the usual time, and mostly from the level of the street, with far less soiling of and danger and exposure to the operators.

An incidental advantage of my invention exists in the fact that the greater facility of the operation makes it practicable to clean out the basins at more frequently-recurring intervals.

I claim herein as new and of my invention—

The arrangement, in the catch-basin of sewers, of removable receptacles F F', formed and adapted to operate substantially as set forth.

In testimony of which invention I hereunto set my hand.

THEODORE F. RANDOLPH.

Witnesses:

GEO. H. KNIGHT,  
JAMES H. LAYMAN.