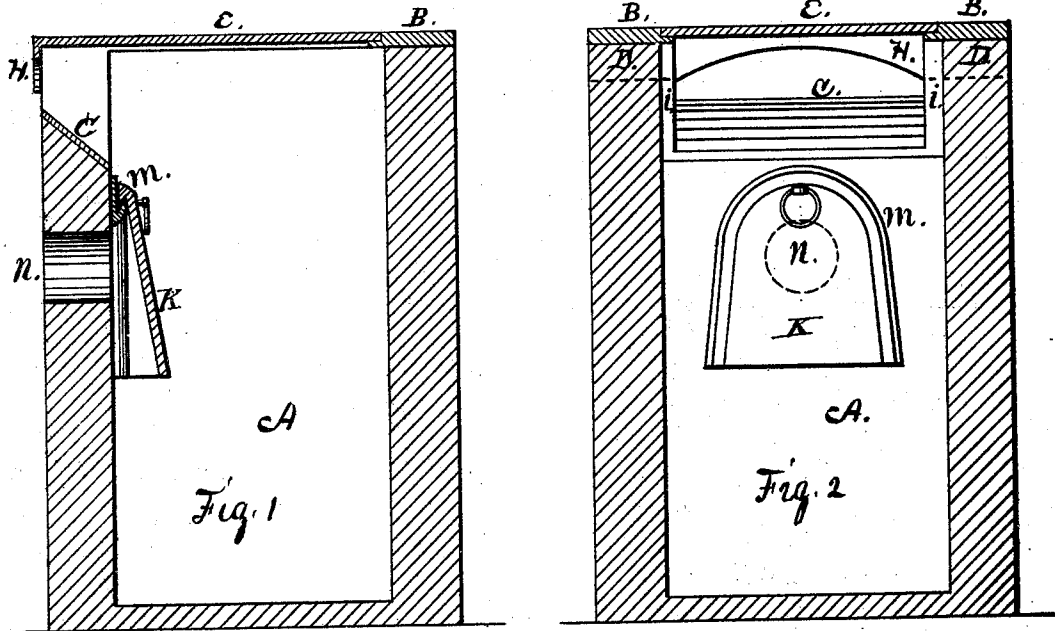


P. BRADY & G. M. WARD.

SEWER-BASIN.

No. 170,660.

Patented Dec. 7. 1875.



Witness
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UNITED STATES PATENT OFFICE.

PATRICK BRADY AND GEORGE M. WARD, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN SEWER-BASINS.

Specification forming part of Letters Patent No. **170,660**, dated December 7, 1875; application filed April 7, 1875.

To all whom it may concern:

Be it known that we, PATRICK BRADY and GEORGE M. WARD, both of Newark, in the county of Essex and State of New Jersey, have invented a certain Improvement in Sewer-Basins, of which the following is a specification:

Our invention consists in the improved construction and arrangement of the sewer-basin, and of the head, and also of the trap, providing superior facilities for cleaning out a basin.

Figure 1 is a cross-section from the front to the rear. Fig. 2 is a cross-section parallel with the front.

The difficulties found in the use of the basins patented by former inventors, known to applicants, are in the small opening in the top, through which the sediment has to be removed, and in the irregular shape of the basin, and a part of which extending out into the street outside of the curb-stone; and also in the lack of access from the basin into the connecting-pipe—the pipe that discharges the water from the basin into the sewer. To remedy these difficulties is the design of this improvement.

We construct our basin A with straight vertical sides, and the whole is made to be put down inside of the curb-stone of a side-walk. The head B, and mud-sill C, and curb-front D—a dotted line shows it—are made usually of one piece of metal all cast together, or they may be made in pieces and put together. The head is made in size and shape to cover the top wall of the basin on a level with the side-walk, and securely binds the whole brick-work of the basin and the top of it, and also the top of the cover E will be made rough to prevent persons from slipping on it. The head is made open from the front, and open over the whole interior of the basin, and the connection between the two sides *i i*, which form the end walls of the throat, is by the mud-sill above named. And the cover, being the size of this opening in the head, comes out to the front, where it terminates with a curb, H, corresponding to the curb D. This

curb H is cut up from below to allow the water to run under it into the basin. The cover is made adjustable. Being hinged to one side, it may be turned over, or it may be entirely lifted off and give access to the whole interior of the basin; and the head also may be readily lifted off in case any repairs of the basin are required.

K is an adjustable trap made to slip down closely, and become air-tight on a dovetailed projection, M, on three sides of the aperture N, for the connecting-pipe above named. The lower edge of this aperture is the water-line in the basin. Making the trap adjustable in this or in some manner equivalent, provides that, when the basin is to be cleaned, the trap may be readily removed, leaving the entire inside of the basin free to the operator, and also it gives access to the connecting-pipe for cleaning it, which is often necessary, and this improvement saves a great amount of trouble required with other styles of trap.

By the head coming out flush with the curb-line we avoid a dangerous opening commonly found in connection with the throat of a sewer-basin.

We claim—

1. In a sewer-basin, the head B over the wall of the basin, and open over the whole interior thereof, and out to the front or curb, and having the recessed front between the two sides, substantially as specified, and for the purposes set forth.
2. The cover E, over the whole interior of the basin, and extending to the curb-front over the bed of the throat, substantially as and for the purposes specified.
3. The throat, having for its bed C the recessed front of the head, and for its top the front of the cover, substantially as shown and described.
4. The adjustable trap K, substantially as shown, and for the purposes specified.

PATRICK BRADY.
GEORGE M. WARD.

Witnesses:

HORACE HARRIS,
J. B. WARD.