

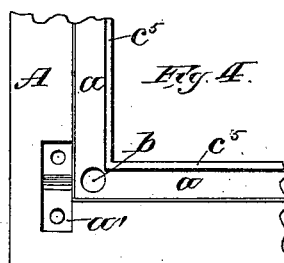
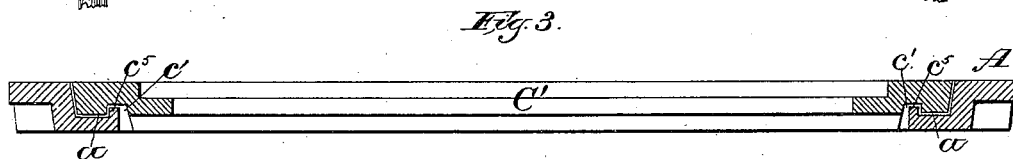
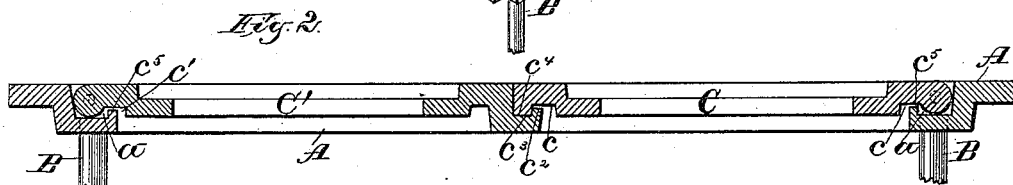
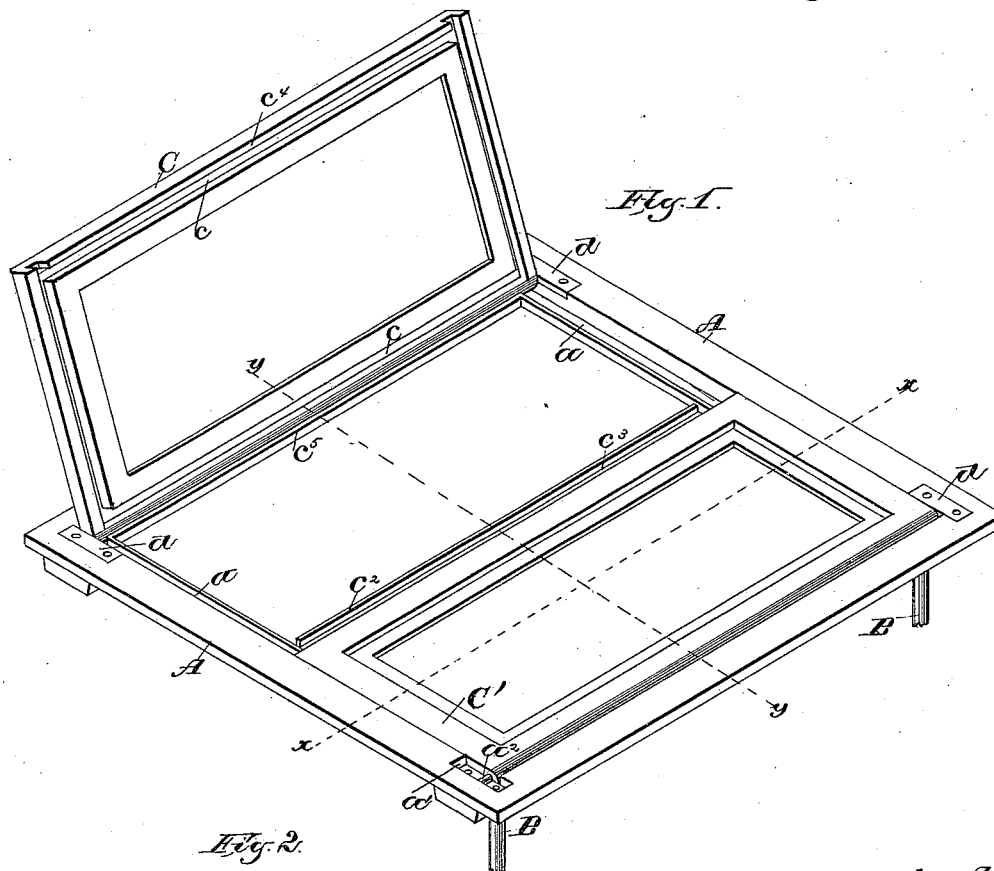
(No Model.)

W. BAYLEY.

COVER FOR VAULTS, SIDEWALK TRAPS, &amp;c.

No. 346,800.

Patented Aug. 3, 1886.



Witnesses:  
E. G. Smus  
N. E. Oliphant

*Inventor*  
Wm Bayley  
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*Attorneys.*

# UNITED STATES PATENT OFFICE.

WILLIAM BAYLEY, OF MILWAUKEE, WISCONSIN.

## COVER FOR VAULTS, SIDEWALK-TRAPS, &c.

SPECIFICATION forming part of Letters Patent No. 346,800, dated August 3, 1886.

Application filed October 29, 1885. Serial No. 181,232. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM BAYLEY, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Covers for Vaults, Sidewalk-Traps, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to covers for vaults, trap-doors for sidewalks, &c., and will be fully described hereinafter.

In the drawings, Figure 1 is a perspective view of my cover. Fig. 2 is a section on line *y y*. Fig. 3 is a section on line *x x*, and Fig. 4 is a detail.

A is the frame, which is cast with channels *a* on the inner edges of its sides, which channels are all connected or run into each other to form a continuous channel.

*b* are openings that lead down through the channeled portion of the frame, and from these may be suspended pipes B, that lead to suitable drip troughs or pipes (not shown.)

By preference I would slightly incline the frame A, and hence have the holes *b* and pipes B at the corners of one end only. The continuous channel in the frame has recesses *a'*, one in each corner, in which are the bearings for the pintles *a''* of the doors C C', the frames of which are channeled on the under side to receive the flanged edges *c'* of the channels in the frame A, these channels in the doors being adapted to form one continuous channel around the outer edges when said doors are in their closed position. Channel *c* in the door C is continuous and wholly on the under side, while the door C' has, in addition to a like under side channel, *c'*, a projecting lip, *c''*, on its free edge, having a channel, *c'''*, on its upper side to receive the downwardly-projecting channel-flange *c''* on the free or adja-

cent edge of the door C, thereby forming a tight joint at the point of union. The pintles *a''* lie in concaves in the recesses *a'*, and are held down by plates *d* that fit over them, and are screwed or otherwise secured to frame A.

The door-frames may be fitted with glass or any other filling.

With my device there are no upwardly-projecting hinges to obstruct the sidewalks, as the hinges are all below the surface, and as the hinges are embedded the troughs are necessary to drain the frame and prevent water from collecting and rusting the parts.

I am aware that it is not wholly new to construct the frame of a vault or sidewalk-cover with a continuous channel and discharge-opening, nor is it entirely new to provide such a frame with hinged doors channeled upon their under sides and one of said doors formed with a bearing-bar adapted to support the other when both are in their closed position. Therefore I do not wish to be understood as broadly claiming such construction; but

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

In a vault or sidewalk-trap cover, the combination of the frame A, having continuous channel *a*, holes *b*, and pipe B, recesses *a'*, and plates *d*, with the doors C C', provided with pintles *a''* and suitably channeled on the under side, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

WILLIAM BAYLEY.

Witnesses:

H. G. UNDERWOOD,  
J. E. BAYLEY.