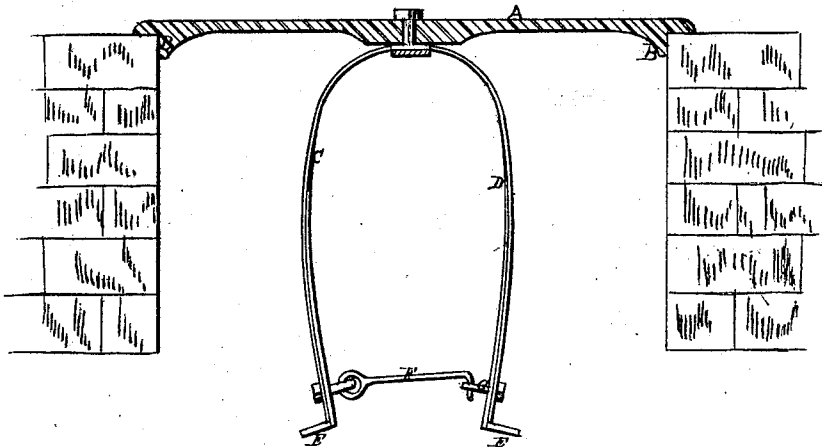
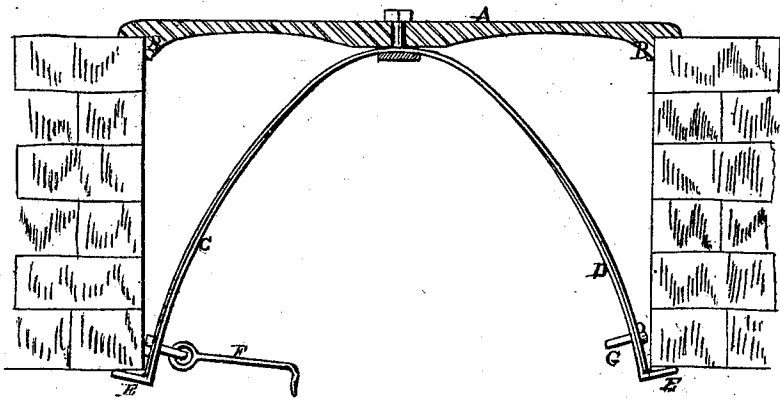


*J. A. Kimberly,
Vault Cover.*

No. 109422.

Patented Nov. 22, 1890.



Witnesses

Smith & Gilbert

Edward A. Thompson

Jesse A. Kimberly Inventor

by Sanford D. Prescott
attys

United States Patent Office.

LEWIS A. KIMBERLY, OF NEW HAVEN, ASSIGNOR FOR ONE-HALF HIS RIGHT
TO GEORGE E. KIMBERLY, OF GUILFORD, CONNECTICUT.

Letters Patent No. 109,422, dated November 22, 1870.

IMPROVEMENT IN COAL-HOLE COVERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, LEWIS A. KIMBERLY, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Covers for Coal-Holes and Fastenings; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Figure 1 is a section of my improvement, showing the legs thrown outward operating upon the wall.

Figure 2 is a section, showing the legs held together by means of the hasp.

My invention relates to an improved covering for coal-holes and the method of fastening the same in place, and consists of a plate or disk with two spring bars or legs extending downward therefrom, with their lower extremities turned outward at right angles, or furnished with a hook to grasp the under side of the mason-work and hold the cover securely in place, thus making a simple, effectual, and burglar-proof cover and fastening.

To enable others skilled in the art to make and use my invention, I will proceed to describe the construction and operation of the same with reference to the accompanying drawing and the letters of reference marked thereon.

A represents the cover made to fit over the aperture in the sidewalk, with a flange, B, upon the under side, to prevent the said cover from being displaced by any lateral pressure that may be brought to bear upon it.

C and D are two spring bars or legs extending downward from the center of the cover, to which they are held in any convenient way, so that they be firmly fastened to the same.

The legs C and D are provided with feet E, placed

at their lower extremities and turned outward, either at right angles or slightly hook-shaped, as may be found most effectual in grasping the wall.

Upon the inner portion of the leg C, near the foot E, I place a hasp, F, and correspondingly situated upon the leg D I place a hook or staple, G. The object of this is that, when the two legs C and D are drawn together so that the feet E will not strike the mason-work, they may be hooked together by means of the said hasp and staple, and held as shown in fig. 2, so that the cover may be removed.

When the cover is replaced the hasp is forced out of the staple, and the spring of the legs forces them outward until the feet E strike the lower side of the wall, as shown in fig. 1, and, when thus fastened, the cover cannot be pried off from without; for whether the feet are curved or made at right angles with the leg, their extremities will bear first upon the wall, and thus prevent them from slipping.

The advantage which my improvement has over others of this class is that it may be adapted to any common cover now used without altering or making any change in the position or size of the hole.

Having thus fully described my invention,

What I claim as new and useful, and desire to secure by Letters Patent, is—

The spring bars C and D, when applied to a coal-hole cover, and provided with a hasp and staple, F G, in the manner and for the purpose substantially as herein specified.

This specification signed and witnessed this 8th day of June, 1870.

LEWIS A. KIMBERLY.

Witnesses:

EDWARD A. THOMPSON,
FRANK PRESCOTT.