

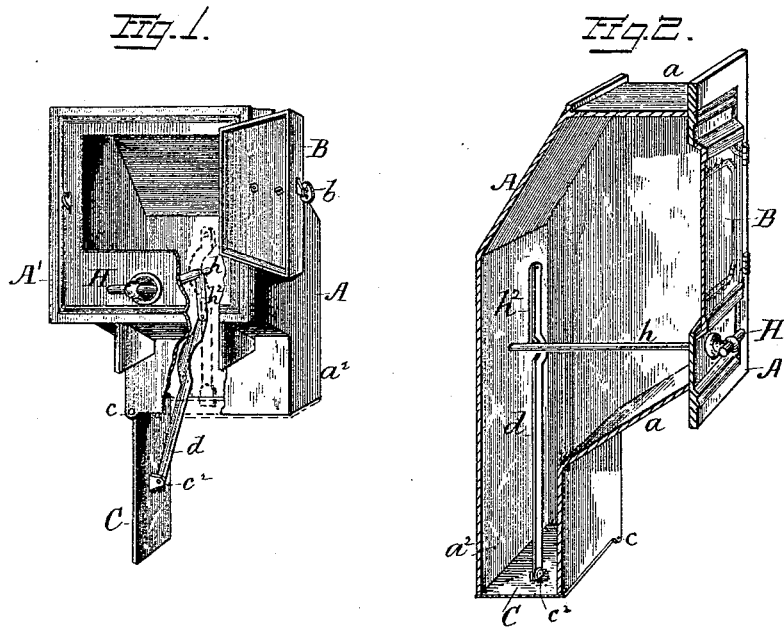
(No Model.)

M. MAHONY.

ASH CHUTE.

No. 346,486.

Patented Aug. 3, 1886.



Witnesses:  
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att'y

# UNITED STATES PATENT OFFICE.

MICHAEL MAHONY, OF TROY, NEW YORK.

## ASH-CHUTE.

SPECIFICATION forming part of Letters Patent No. 346,486, dated August 3, 1886.

Application filed May 5, 1886. Serial No. 201,927. (No model.)

### *To all whom it may concern:*

Be it known that I, MICHAEL MAHONY, a citizen of the United States, residing at Troy, in the county of Rensselaer, State of New York, have invented certain new and useful Improvements in Ash-Chutes, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to that class of devices known as "ash-chutes" for houses having many floors occupied by different families and offices, whereby the parties on one floor may empty their ashes into a flue without disturbing the others on the other floors; and the objects of my improvements are to provide a simple and effective device, free from springs or other yielding parts, in which the ashes are first emptied and the door leading thereto may be closed before the valve in the bottom of said device is opened.

I accomplish the objects by the device shown in the accompanying drawings, in which Figure 1 is a perspective view of the ash-chute constructed in accordance with my invention, showing the bottom open and the front side broken away to show the arrangement of the valve-operating levers. Fig. 2 is a vertical section of the same, showing the bottom valve closed.

The frame is represented at A. It is usually made of cast-iron. Its portion *a* is retained in the inner wall of the flue, with its pocket *a'* hanging in said flue. The front A' is generally set even with the inner face of the wall, and it has hinged thereto a door, B, provided with a latch, *b*, or other suitable fastening, to retain it secured after it has been closed.

The bottom of the chute is closed by a valve, C, hinged at *c* to the bottom edge of the frame A, and to the inner side of the valve is pivoted at *c'* a rod, *d*, extending up within the

chute to a point opposite the door B. Under this door B the front A' of the frame has a perforation, through which is passed horizontally a rod, *h*, the rear end of which passes also through the back of the frame, where it is retained either by a nut or by upsetting or riveting it. The front end of the rod *h* carries a handle, H, by which it can be rotated either to the right or to the left. The rod *h* is provided with a crank-arm, *h'*, the outer end of which is pivoted to the upper end of the vertical rod *d*, so that by rotating the horizontal rod *h* half a turn the valve C can be swung down and the ash-chute opened, or by the inverse rotation the vertical rod *d* can be elevated and the valve closed. To retain the valve closed a short bend or curve is made on the rod *d* at the point that comes in contact with the rod *h*, so that when turning the handle H the rod *d* will occupy a position slightly beyond the perpendicular, and by leaning against the rod *h* will retain the valve closed without necessitating the use of any spring.

Having now fully described my invention, I claim—

An ash-chute consisting of a hollow frame, A, having a door, B, upon one side, and under said door a horizontal rod, *h*, passing through the front of said frame and carrying a crank-arm, *h'*, in combination with a valve hinged to the bottom of the frame, and a vertical rod, *d*, having its lower end hinged to the valve and its upper end pivoted to the crank-arm, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

MICHAEL MAHONY.

Witnesses:

WM. SHAW,  
HERBERT D. BAILEY.