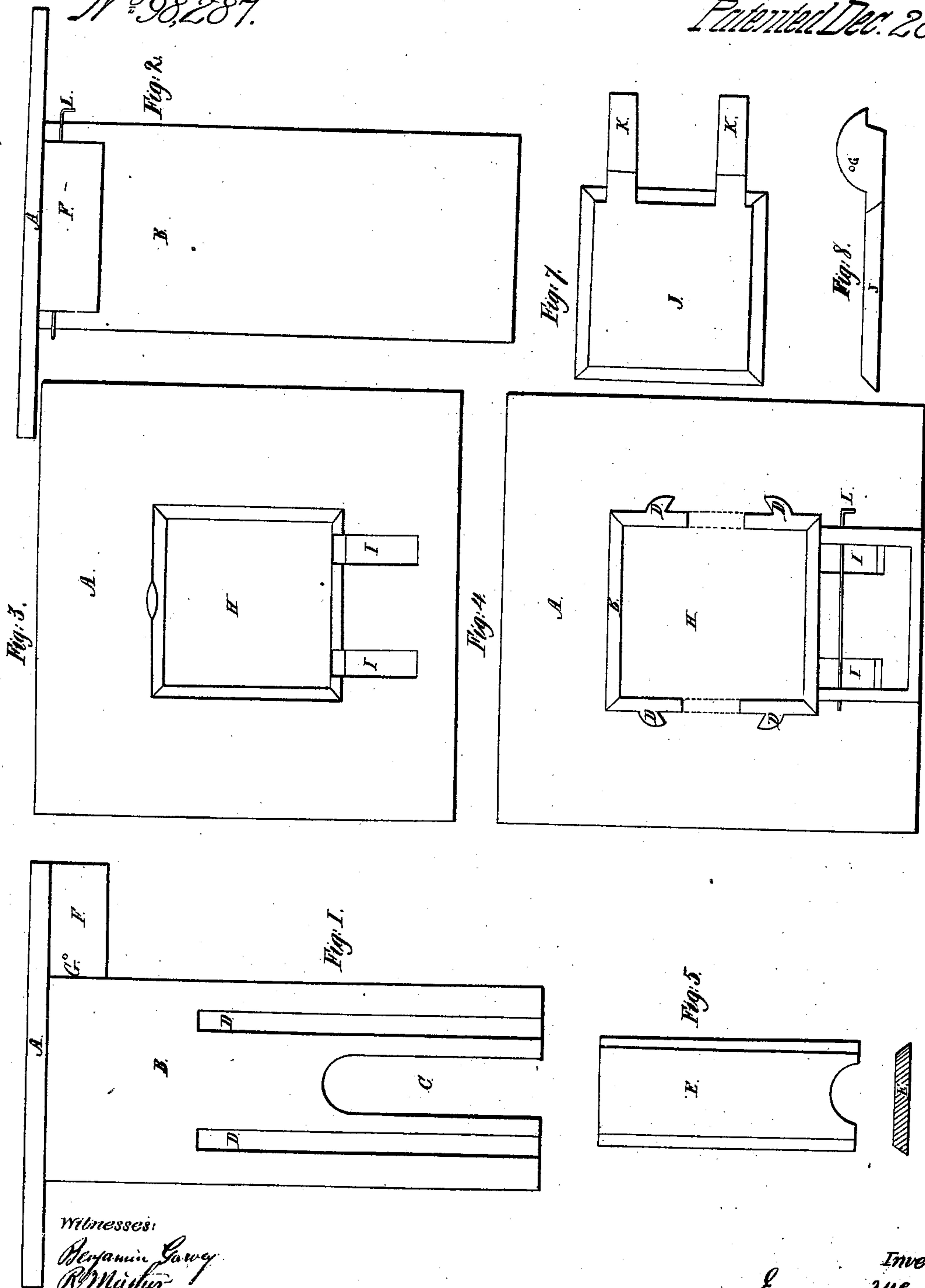


E. M. Millin

Gas Pipe Cover

No. 98,287.

Patented Dec. 28, 1869.



Witnesses:

Benjamin G. Gage
R. M. Miller

Inventor:

Emerson H. Millin

United States Patent Office.

EMERSON McMILLIN, OF IRONTON, OHIO.

Letters Patent No. 98,287, dated December 28, 1869.

IMPROVED STREET-BOX FOR GAS-PIPES.

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, EMERSON McMILLIN, of Iron-ton, in the county of Lawrence, and State of Ohio, have invented a new and improved Street-Box for Gas-Pipes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon.

The nature of my invention consists in providing a street-box for gas-pipes, with a strongly-hinged lid firmly secured to the box, and capable of being raised readily without clearing about it, and without allowing dirt, stones, &c., to fall into the box, and having slides in the lower parts of two opposite sides, capable of being raised and lowered in such a manner that they can be adjusted to the gas-pipe at the same time that the top of the box is adjusted to the level of the roadway.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings—

Figure 1 is a vertical elevation, showing the side of the box having an adjustable slide in it.

Figure 2 is a lateral elevation, showing a side of the box without an adjustable slide, and showing the guard-box of the hinge.

Figure 3 is a view from the top downward.

Figure 4 is a view from the bottom upward.

Figure 5 is a front view of the side slide.

Figure 6 is an end section of the side slide.

Figure 7 is a view of the lid as seen from the under side.

Figure 8 is a side view of the lid.

The same letters mark the same parts throughout.

A is the upper flange or top of the box.

B is the body of the box, having, in its opposite sides, openings C C, through which the gas-pipe can pass, and which are fitted with movable slides E E.

The slides E E have semicircular hollows in their lower edges of the size of the pipes to which they are to be adjusted, and are chamfered along the longitudinal edges, so that they may be retained in the grooves D D in which they slide.

F is the guard-box in which the hinge K K works.

G is the pivot of the hinge.

H is the central opening in the top, through which access is had to the valve-cock or tap in the gas-pipe.

I I are openings in the top, in which the hinge-pieces K K play.

J is the lid, and

L is the hinge-pivot, which passes through the pivot-hole G.

In using this box, when I have an opening cleared to the gas-pipe, or, when laying the pipe, before filling in the trench, I put my box in position, so that the sides B B are vertical, and the gas-pipe passes through the openings C C. I then adjust the slides E E by elevating or depressing them, or either of them, as the case may require, until the semicircular hollows in their lower edges fit snugly upon the gas-pipe, and the flange A is on a level with the roadway of the path. I then fill in with rubbish, to fix the box in place and make good the roadway, and the box is complete.

When it becomes necessary, as in the case of fire, to shut off the gas from a house suddenly, the lid of this box can be lifted at once by catching hold on the side opposite the hinge with the thumb-nail, a knife-blade, or any hard substance, and lifting, as the hinge-pieces descend in part, and no dust or dirt can jam the hinge and make it hard to open. To give a hold on the lid, a depression is made in the substance of the flange A in the front of the lid.

The material, the shape, and the size of the box are not of the essence of my invention, for these may be altered or changed, and the principle of its construction and operation be retained; but the manner of hinging the lid, so that it frees itself of dirt when opening, and is thus readily opened without clearing about it, and so that when raised it offers great resistance to a side-strain on the hinge, and the mode of adjusting the box at once to the gas-pipe, and to the level of the street or roadway, by means of movable slides in the sides, are my invention.

Claim.

I claim, as my invention—

A street-box for gas-pipes, of the construction herein described, with a cover and slides formed and operated substantially as specified.

E. McMILLIN.

Witnesses:

C. B. EGERTON,
R. MATHER.