

C. BUTTERFIELD.
DIRT RECEPTACLE.

No. 61,999.

Patented Feb. 12, 1867.

Fig. 1.

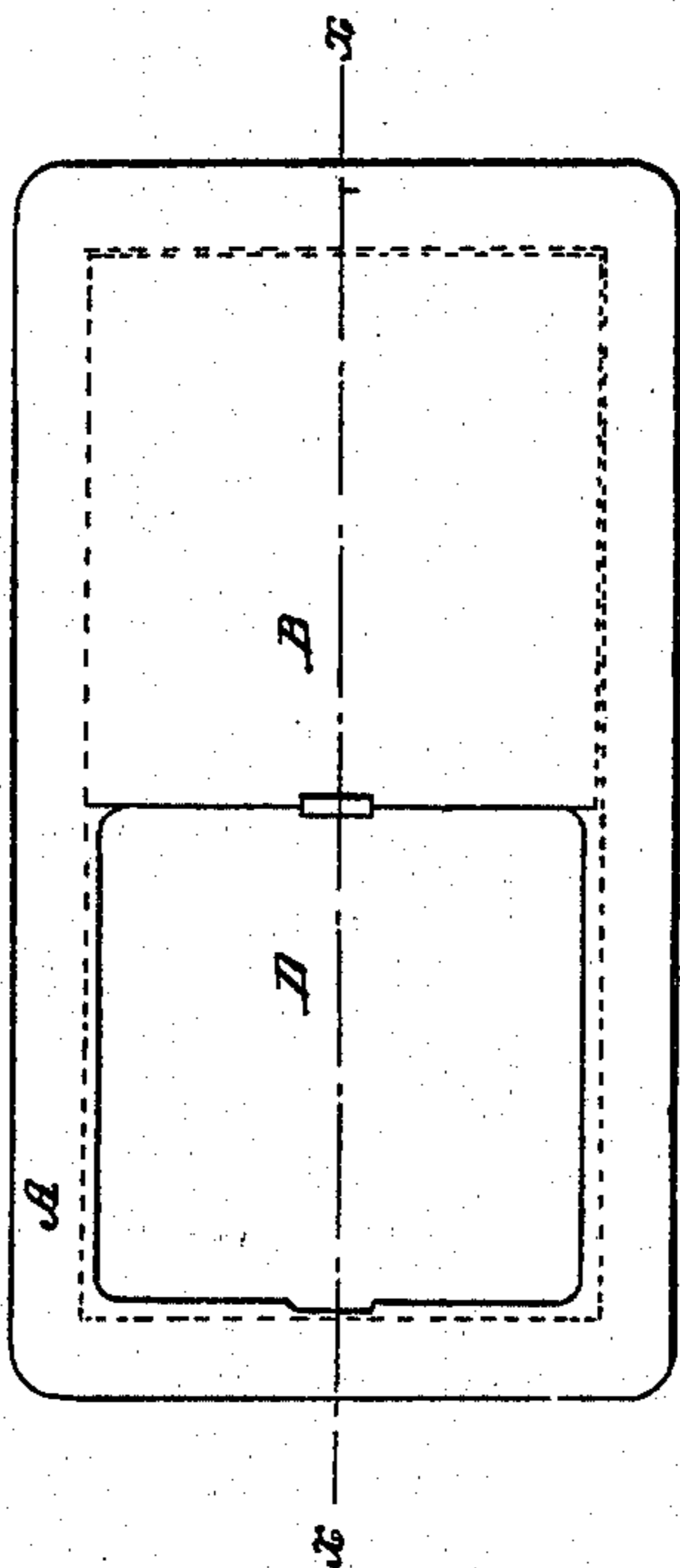
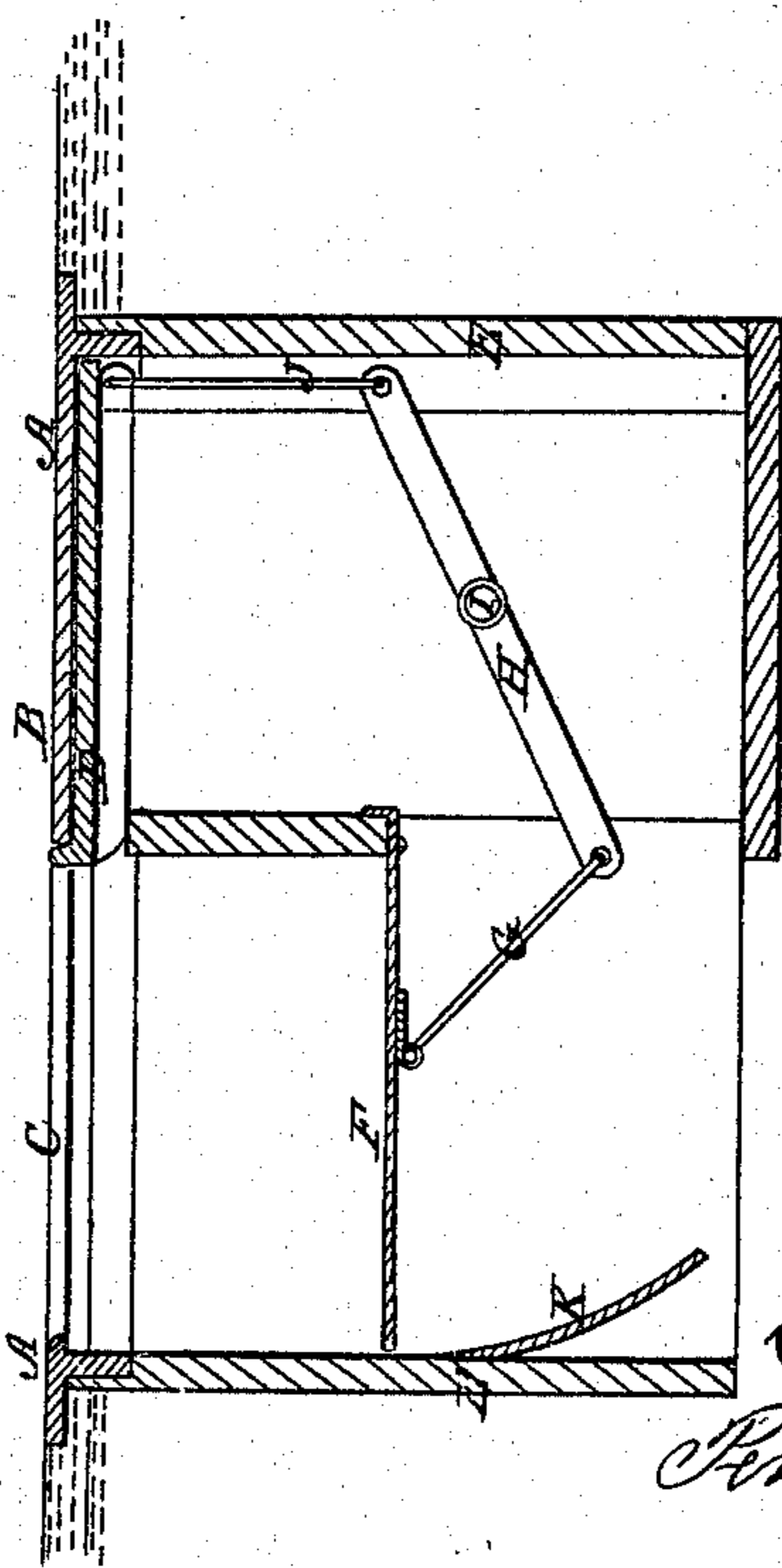


Fig. 2.



Witnesses:

F. A. Jackson
for A. Service

Inventor:

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United States Patent Office.

CHESMON BUTTERFIELD, OF WEST WATERVILLE, MAINE.

Letters Patent No. 61,999, dated February 12, 1867.

IMPROVED DUST RECEPTACLE.

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, CHESMON BUTTERFIELD, of West Waterville, Kennebec county, State of Maine, have invented a new and "Improved Dust Receptacle;" and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming a part of this specification.

The present invention relates to a novel constructed dust or dirt receptacle, to be used and placed below the floor of a room or other apartment, with its top flush, or nearly so, with the said floor, which receptacle is provided with a cover or slide in connection with a bottom, so arranged and connected together that when the one is opened the other will be closed, so that, if the cover or slide be first opened to allow the dirt or dust from the floor of the room to be swept into the said box or receptacle, by then closing it the dirt or dust thus swept into it will be discharged therefrom into a flue or other passage for conveying it to the place or locality provided to receive it. In the accompanying plate of drawings my "improved dust or dirt receptacle" is illustrated—

Figure 1 being a plan or top view of the same; and

Figure 2 a central longitudinal vertical section, taken in the plane of the line *z z*, fig. 1.

Similar letters of reference indicate like parts.

A, in the drawings, represents the frame of my improved dust or dirt receptacle. This frame is provided with a top plate, B, of suitable construction and form for being secured in the floor of a room or other apartment flush, or nearly so, with the same, and has a square opening, C, made in it that is provided with a cover or door, D, for closing or opening it; this door being arranged to slide in suitable ways under the said top plate B. Below the opening C, in the top plate B, a box, E, is constructed, the bottom plate F of which is hinged to one side of the same so as to swing downward, and is connected, through a rod, G, and a beam or lever, H, swinging upon a centre or fulcrum, I, and rod, J, to the under side of the cover or slide D for the opening in the top plate, as plainly shown in the drawings, and in such a manner that, when the cover is slid or moved in the proper direction to open the opening in the top plate B, it will close the bottom plate F, and *vice versa*; whereby, if the cover is open, all dirt or dust swept through the opening in the top plate B, which it is arranged to close, will fall down and upon the plate F, and thereby be held in the box E, of which it forms a part, when, closing the said cover, the dirt or dust previously swept into the box E will then be discharged therefrom by the swinging down of the said bottom plate into a flue, H, or any other suitable passage or way for conducting it to the place or locality desired. To prevent the air from driving the dust or dirt back from the box E into the room, as the cover of the same is being closed and consequently the bottom opened, I have arranged a curved guard, I, of suitable construction and form, that, while it will freely allow the bottom plate to swing downward, and thus open the dirt box E, it will serve as a door, as it were, to the opening which is produced by the downward movement of the bottom plate F, until the cover has sufficiently covered the mouth or top of the dirt box to prevent the dirt or dust being driven out through the same into the room or other apartment having my improved dirt or dust receptacle arranged in the floor of the same. Among the many advantages secured by my improved dirt and dust receptacle may be here mentioned that it saves a great amount of labor and time in the sweeping of the floor of a room or other apartment of a dwelling-house or other building, is much more convenient than the ordinary dust-pan, and in many other respects more desirable.

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

A dust or dirt receptacle, having its cover or top D and bottom plate F connected together through rods G and J and swinging lever or beam H, so as to operate substantially in the manner and for the purpose described.

The above specification of my invention signed by me this 19th day of July, 1866.

CHESMON BUTTERFIELD.

Witnesses:

WM. F. McNAMARA,
ALBERT W. BROWN.