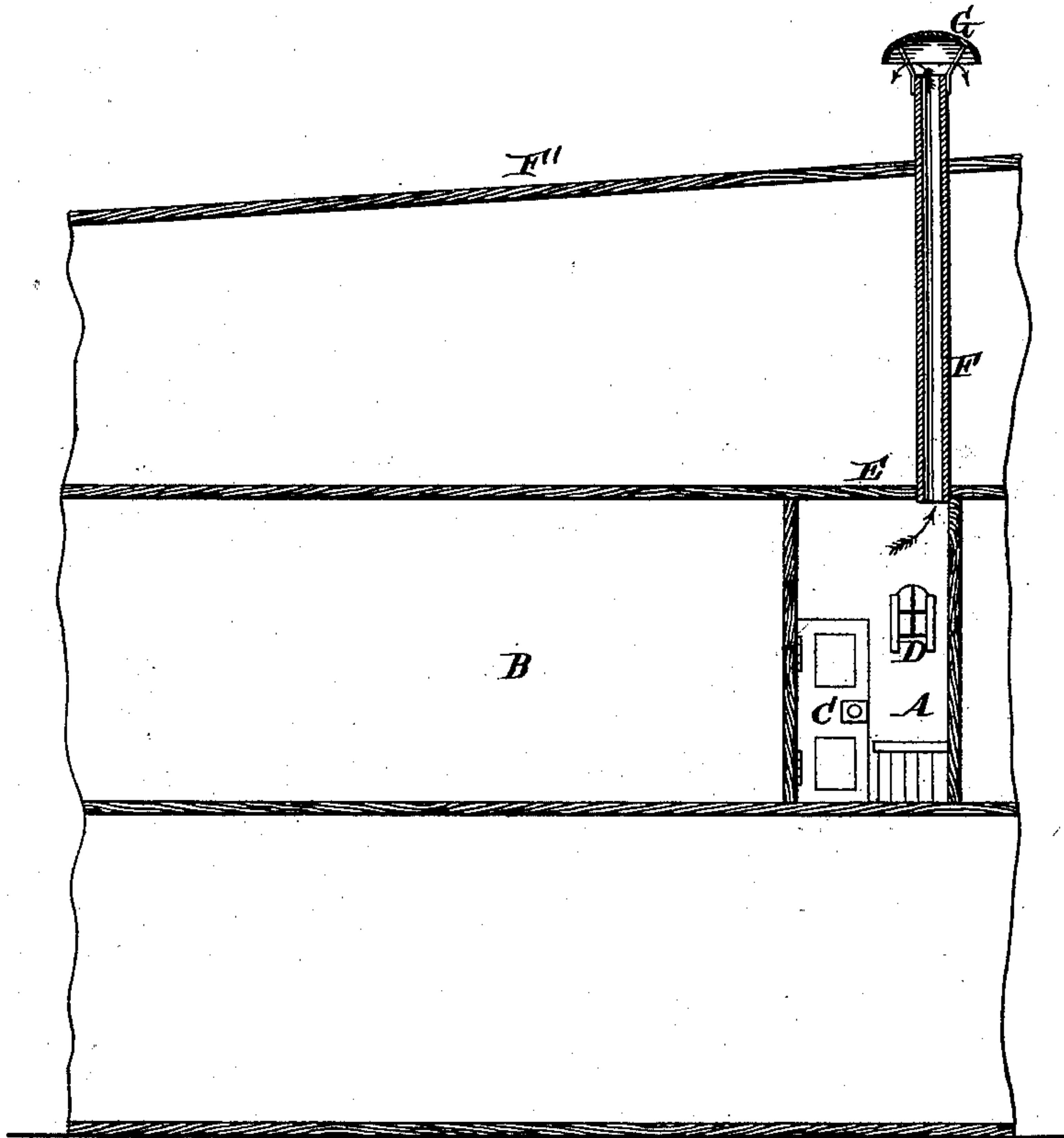


W. PICKHARDT.
Ventilating Water-Closets.

No. 209,511.

Patented Oct. 29, 1878.



Witnesses.
Otto Hufeland.
Doct E. Miller.

Inventor.
Wilhelm Pickhardt
by
Van Gentswood & Hauff
his attorneys

UNITED STATES PATENT OFFICE.

WILHELM PICKHARDT, OF NEW YORK, N. Y.

IMPROVEMENT IN VENTILATING WATER-CLOSETS.

Specification forming part of Letters Patent No. **209,511**, dated October 29, 1878; application filed March 22, 1877.

To all whom it may concern:

Be it known that I, WILHELM PICKHARDT, of the city, county, and State of New York, have invented a new and useful Improvement in Ventilating Water-Closets, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, which is a vertical section.

This invention consists in the combination, with a water-closet and with its door or shutter, of a pipe extending from the ceiling of the water-closet up through the roof of the building, so that, whenever the water-closet from some cause has been filled with a bad odor, by opening the door or window such odor is rapidly driven off through the ventilating-pipe without being allowed to penetrate to any portion of the building.

In the drawing, the letter A designates a water-closet, which is situated inside of a building or dwelling-house, B, and to which access is had through a door, C. Said closet may also be provided with a shutter, D, which closes an opening leading to an adjoining bath-room or dressing-room. From the top or ceiling E of this closet extends a pipe, F, out through the roof F' of the building into the open atmosphere, and its top is protected by a cap, G, to prevent the rain from passing down through the pipe, or the upper end of said pipe may be bent over or otherwise so arranged that this object is attained.

In water-closets as now constructed no provision is made to carry off bad odors, and whenever the closet has been used it is filled with a bad odor, and as soon as the door is opened this odor penetrates to other parts of the building, to the great annoyance of the inmates, and the closet itself remains charged with such bad odor for long periods, if not constantly. This disadvantage is avoided by my invention.

When my closet is used and has become filled with bad odors such odor is readily carried off through the pipe F as soon as the

door or the shutter is opened, and thereby not only the closet itself becomes freed from the odor, but also no bad odor is liable to escape into adjoining rooms or compartments of the building.

I have found this arrangement of great advantage also for carrying off the sewer-gases which are liable to pass up through the waste-pipes of wash-basins or bath-tubs, whether such wash-basins or bath-tubs are in the same compartment with the closet or in an adjoining room, which communicates with the water-closet through a window, door, or other opening.

Prior to my invention water-closets proper have been ventilated by connecting a pipe with the trap or other parts composing the mechanism of the closet, said pipe in some instances connecting with a flue especially built in the wall of the building, whereby the same is made to communicate with the open air, while in some other instances said pipe has been connected with the trap or other parts of the closet, extending from the same up through the room in which said closet is situated, and then out through the roof of the building. These various arrangements are well known, and are not claimed by me.

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

In combination with a water-closet proper situated in the room of a building having a window or suitable air-inlet, a ventilating-pipe extending directly from the ceiling of said room out through the top of the building, said pipe being disconnected from the parts composing the closet proper, substantially as herein shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 15th day of March, 1877.

WM. PICKHARDT. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.