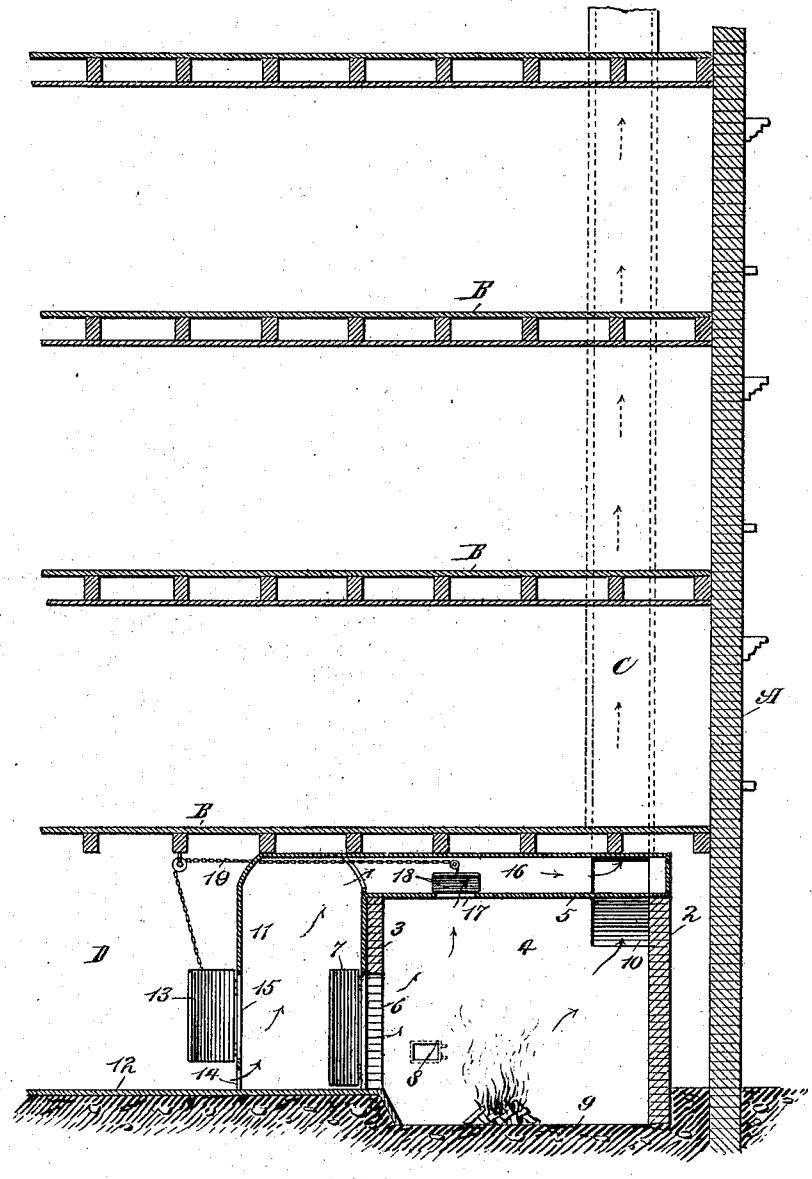
No. 675,105. Patented May 28, 1901.

J. F. OBERLE.

SMOKE HOUSE.

(Application filed Jan. 24, 1901.)

(No Model.)



WITNESSES:

M. Van Nostwick.

William P. Goebel.

INVENTOR

Jacob F. Oberle

BY George Cook

ATTORNEY

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JACOB F. OBERLE, OF NEW YORK, N. Y.

SMOKE-HOUSE.

SPECIFICATION forming part of Letters Patent No. 675,105, dated May 28, 1901.

Application filed January 24, 1901. Serial No. 44,560. (No model.)

To all whom it may concern:

Be it known that I, JACOB F. OBERLE, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have made and invented certain new and useful Improvements in Smoke-Houses, of which the following is a specification.

My invention relates to an improvement in smoke-houses designed for the purpose of smoking meats, and more particularly to improvements in such structures used in the basements of houses or other buildings. As is well known, in many large cities these smoke-houses are built in basements or cellars of tenement-houses, and in such instances great objections have been urged against the same by reason of the escape of the smoke into the house or building when the door of the smoke-house is opened to allow a person to enter or issue therefrom. The object of my invention is to overcome this objection and to make certain additions to the smoke-house to prevent the egress of smoke into the cellar or basement; and with these and other ends in view it consists in certain novel features of construction and combinations of parts, as will be hereinafter fully described, and pointed out in the claims.

The accompanying drawing represents in section a portion of a building or tenement-house with a smoke-house located in the cellar or basement thereof and with my improvements applied thereto.

Referring to the drawing, A represents a wall of a building or tenement-house; B, several floors thereof; C, the chimney or flue, and D the basement or cellar in which is located the smoke-house. This smoke-house consists of the rear wall 2, front wall 3, side wall 4, and roof 5, one side wall of course being omitted from the drawing, the latter being shown in section. In the front of the smoke-house is an opening 6, to be closed by a door 7 of ordinary construction, and in one of the side walls is a hole or opening 8 for the purpose of admitting air for the sake of combustion, the fire, as usual, being placed on the floor 9, made of cement, bricks, or other material. From the smoke-house leads the flue 10, connecting with the chimney or stack C. In front of this smoke-house I construct a vestibule 11, preferably formed of iron or sheet metal, although, of course, the same may be built of bricks or masonry-work, and preferably extending from the floor 12 of the cellar or basement to the roof thereof and extending the width of the smoke-house. In the front of this vestibule is located a door 13, below which is an opening 14 for the ingress of air at all times to the interior of the vestibule 11, the opening 15 into the vestibule being provided for the admission of the workmen and adapted to be closed by the door 13. From the top of the vestibule 11 leads a flue 16, passing over the top of the smoke-house and leading into the stack or chimney C, the purpose and effect of this construction and arrangement of parts being to provide a draft of air through the opening 14, through the flue 16, and out through the flue C at all times, and thereby suck or draw any smoke which may find its way into the vestibule 11 out through the stack C. In the roof of the smoke-house I form an opening 17, adapted to be opened and closed by the door or damper 18, to which is connected a chain 19, the latter being also connected with the door 13 of the vestibule in such way that when said door 13 of the vestibule is opened it will also open or raise the damper 18, and thereby provide an exit for the smoke from the forward end of the smoke-house into the flue 16.

From the above it will be understood that when the door 13 is opened by a workman who desires to enter the smoke-house air from the basement of the building will pass through the vestibule and draw any smoke therein out through the flue 16 and chimney C, and any smoke which issues from the smoke-house into the vestibule when the door 7 is opened will pass out through said flue 16 and chimney C, the door 18 being simultaneously raised with the door 13 and allowing a portion of the smoke in said smoke-house to escape through the flue 16 and out through the chimney C, thereby preventing any smoke from the smoke-house issuing into the basement or cellar D.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a smoke-house

and chimney or stack leading therefrom, of a vestibule 11 located in front of said smoke-house and into which leads a door from said latter, a flue 16 located above said smoke-house and communicating at one end with said chimney or stack and at its opposite end with the upper portion of said vestibule 11, a door 13 leading into said vestibule and an opening 14 in the lower portion of said vestibule whereby a draft is created through said vestibule and over the top of said smoke-house for the purpose of carrying off through said stack or chimney, any smoke escaping from said smoke-house into said vestibule, substantially as described.

2. A smoke-house constructed with a vestibule located in front thereof and having a door leading into said vestibule, a flue connecting with the upper portion of said vestibule and with the chimney or stack from said smoke-house, and a damper located in the roof of said smoke-house and connected with said vestibule-door, whereby when the latter is opened the damper will also be opened, substantially as described.

Signed at New York, in the county of New York and State of New York, this 22d day of January, A. D. 1901.

JACOB F. OBERLE.

Witnesses:

GEORGE COOK,

M. VAN NORTWICK.