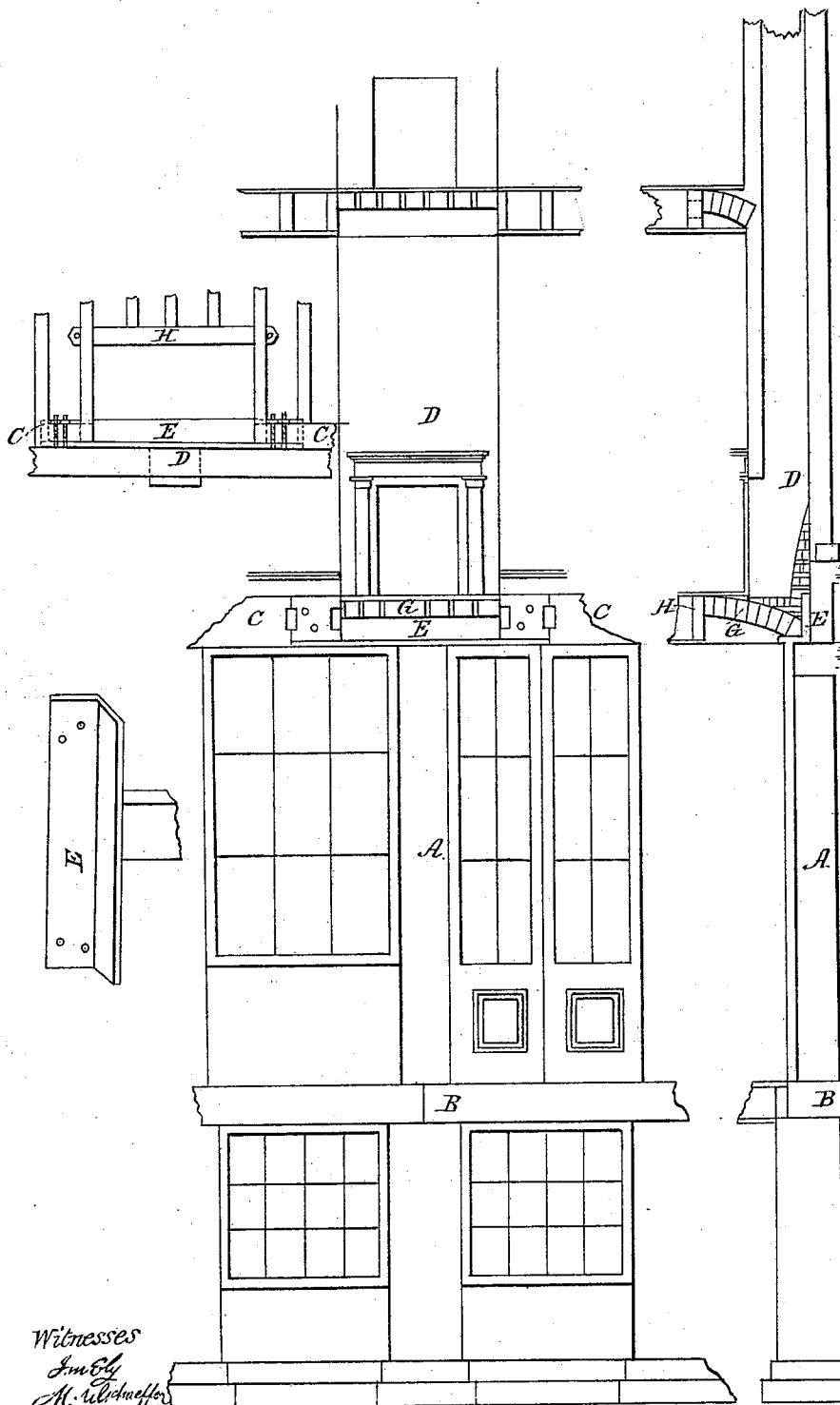


H. R. SAWYER.

Fire Place.

No. 2,016.

Patented March 26, 1841.



Witnesses  
J. M. G.  
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Inventor  
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# UNITED STATES PATENT OFFICE.

HENRY R. SAWYER, OF NEW YORK, N. Y.

## MODE OF CONSTRUCTING FIREPLACES AND CHIMNEY-STACKS IN BUILDINGS.

Specification of Letters Patent No. 2,016, dated March 26, 1841.

*To all whom it may concern:*

Be it known that I, HENRY R. SAWYER, of the city of New York, county of New York, and State of New York, have invented a  
5 new and Improved Mode of Constructing Fireplaces and Chimney-Stacks; and I do hereby declare that the following is a full and exact description.

The nature of my invention consists in the  
10 construction of fireplaces and chimney stacks, in corner or other stores, or buildings of any description, at any story, without a chimney stack substructure from below.

My stack constructions are to be built on  
15 an iron or other metallic shoe or plate of suitable dimensions, resting on brick or stone walls, or composite, brick, or stone piers, or stone or metal columns or pillars of the building; upon which shoe or plate an arch  
20 or brick, or stone, or metal, or composition is turned, abutting against the trimmer of floor. On the inner end of this arch the stack is raised, and horizontally over the arch I construct the hearth. The shoe is  
25 secured with bolts to trimmer pieces on either side, and is supported by the column or pier, &c., which column or pier rests upon the sill course, or wall below, or foundation wall of the building.

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

First, I build a pier or column or pilaster A, resting on the sill course or wall B, below  
35 or foundation wall. Next I construct my trimmers or plates C, resting on brick or

stone piers, or stone, iron, or other metal or composite columns or pilasters, which brick or stone piers &c. are supported by a continuation of the sill course or foundation  
40 wall B, and I continue the said trimmer to within a short distance of the proposed chimney stack D; I then connect them with an iron, or other metal shoe or plate E, by means of strong metal bolts, as shown on  
45 plan F, said shoe being lapped and bolted on to the plates or trimmers C, and resting on the pier, pilaster or column A. Upon the iron or metal shoe or bearer E, I turn my brick, or stone, or metal, or composition  
50 arch G, abutting against the short trimmer of floor H; upon this arch at the end next the iron or metal shoe, I build my chimney stack, and horizontally over the arch I construct the hearth.

55 What I claim as my invention, and desire to secure by Letters Patent, is—

The mode of constructing a foundation for chimneys in buildings where no chimney stack has been constructed below; by turning the arch of the hearth at its inner end,  
60 on an iron or other metal shoe secured to trimmer pieces on either side; said shoe being supported on a column or pier, which column or pier rests upon the sill course or  
65 wall below, or foundation wall of the building, the whole being constructed and operating as herein specified.

HENRY R. SAWYER.

Witnesses:

G. M. ELY,  
M. ULSHAFFER.