

**Specification of John Warren : apparatus for promoting the escape of smoke, and for extinguishing fires by the exclusion of air.**

**Contributors**

Warren, John.

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A.D. 1808 . . . . . N° 3167.

S P E C I F I C A T I O N

OF

JOHN WARREN.

APPARATUS FOR PROMOTING THE ESCAPE  
OF SMOKE, AND FOR EXTINGUISHING  
FIRES BY THE EXCLUSION OF AIR.

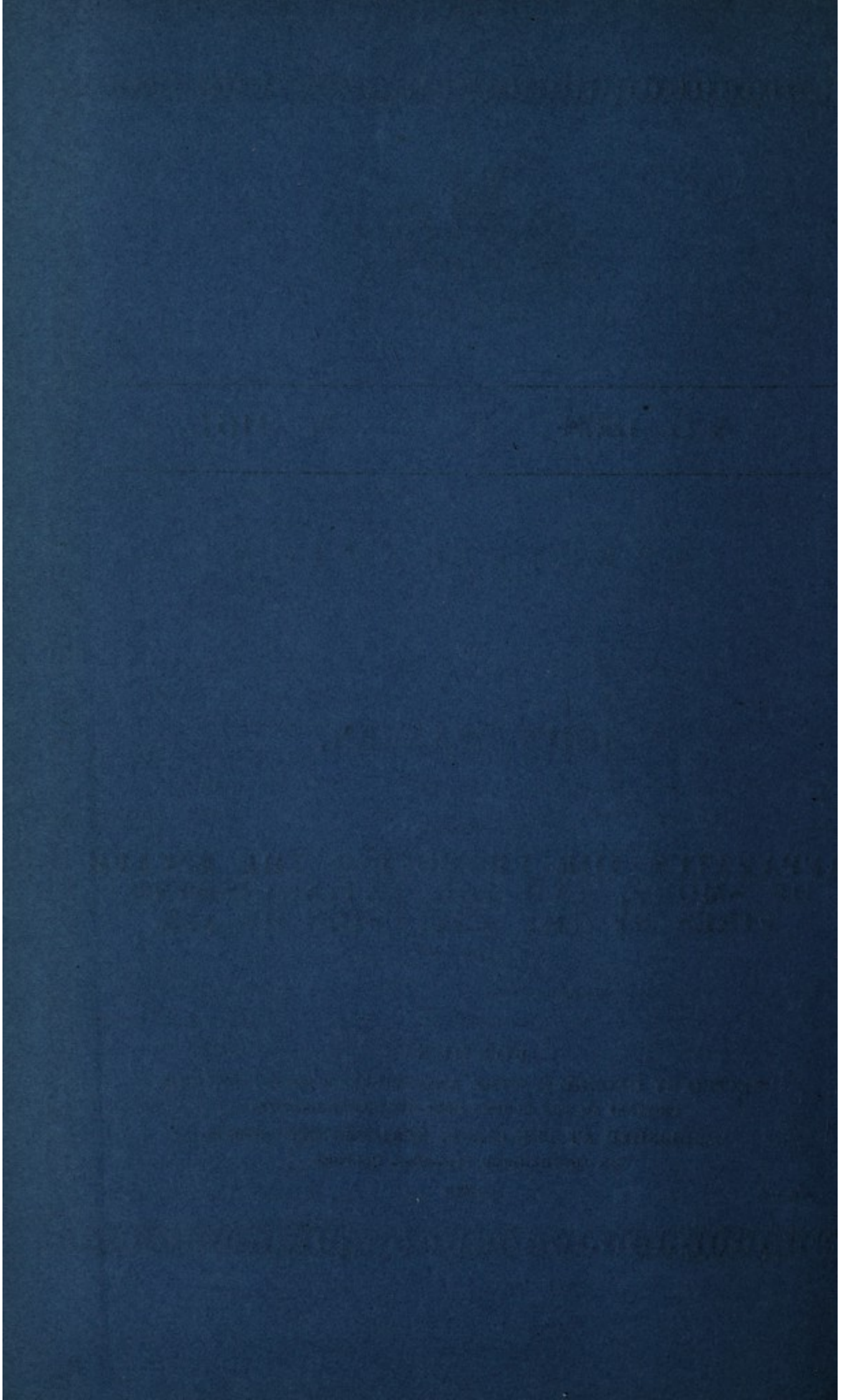
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1854.





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A.D. 1808 . . . . . N° 3167.

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**Apparatus for Promoting the Escape of Smoke, and for  
Extinguishing Fires by the Exclusion of Air.**

**WARREN'S SPECIFICATION.**

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JOHN WARREN, of the Town and County of Poole, Stone Mason, send greeting.

WHEREAS His most Excellent Majesty King George the Third, by His Letters Patent, under the Great Seal of Great Britain, bearing date at  
5 Westminster, the Fifteenth day of September, in the forty-eighth year of His reign, did, for Himself, His heirs and successors, give and grant unto me, the said John Warren, His especial licence, that I, the said John Warren, my executors, administrators, or assigns, or such others as I, the said John Warren, my executors, administrators, or assigns, should at any time agree  
10 with, and no others, from time to time and at all times during the term of years therein expressed, should and lawfully might make, use, exercise, and vend, within England, Wales, and the Town of Berwick upon Tweed,  
15 my Invention of "AN APPARATUS TO PREVENT CHIMNIES FROM SMOAKING, AND TO EXTINGUISH FIRES IN GRATES AND STOVES, WITHOUT MAKING ANY DUST OR SMOAK INJURIOUS TO THE ROOM OR FURNITURE;" in which said Letters Patent there is contained a proviso obliging me, the said John Warren, by an instrument in writing under my hand and seal, particularly to describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, and to cause the same to be inrolled in His Majesty's High Court of Chancery  
20 within one calendar month next and immediately after the date of the said recited Letters Patent, as in and by the same, reference being thereunto had, will more fully and at large appear.

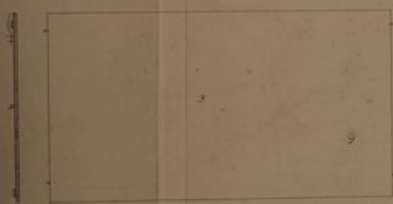
*Warren's Impts. in Apparatus to Prevent Chimnies from Smoking.*

**NOW KNOW YE**, that in compliance with the said proviso, I, the said John Warren, do hereby declare that the nature of my said Invention, and the manner in which the same is to be performed, is described and ascertained in the plan hereunto annexed, and in the following explanation thereof, that is to say:—

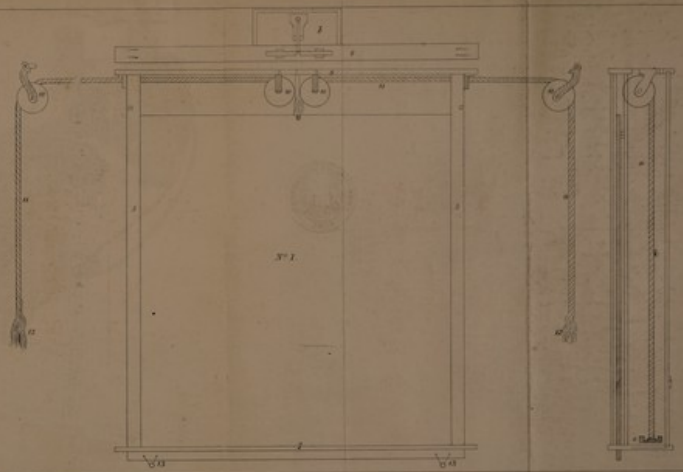
The apparatus has two objects: first, to cause a continual current of the smoak until its exit in the air, and to disperse it without any return into the chimney; and, second, to extinguish fires in grates and stoves without making any dust or smoak injurious to the room or furniture. It consists of two parts:—1<sup>st</sup>, a frame to be placed at the top of the chimney, which not only causes the smoak to pass into the open air without any lodgement, but excludes the weather from having any immediate access to the chimney. 2<sup>nd</sup>, a plate at the bottom of the chimney to be fixed in a frame in the breast of the chimney, and to move in grooves from the mantle to the hearth, and which by being let down in part will greatly assist in preventing chimneies from smoaking, and by being let down entirely will so exclude the current of air as to extinguish the fire in the grate or stove, and will also materially assist in extinguishing fires in chimneys. The capital or roman letters A, B, C, D, E, denote that part of the apparatus which is to be fixed at the top of the chimney; it is to consist of a frame of copper, tin, or other metal, and to have two retort flues, and four dispersing flues, and the following, having reference to the plan hereto annexed, contain the plans and elevations of the several parts of this part of the apparatus:—

A, the plan, not to be less than nine inches diameter; A, N° 1, the elevation, to be one and a half times in heighth the diameter of d°; B, the section or smoak divider, is to be hung by two hinges, and to fall into the elevation A, N° 1, but the upper part of it when it so falls in must be made to project over the outside, as plan B, N° 1, sufficient to keep the weather from getting inside of the elevation A, N° 1, when the smoak divider is lifted up, which can be easily done, the chimney sweeper can go on the outside and clean the flues with great ease to himself. C, C, the plan of the throats, through the elevation of which the smoak is to pass from the elevation A, N° 1, to the retort flues D, D C, C, N° 1, elevation of the throats. The length of the throats from the elevation A, N° 1, as described by the mark in the margin hereof, and the plan hereunto annexed, may at any time be extended where requisite for the convenience of fixing the frame. D, D, the plan of the retort flues; D, N° 1, elevation of one of the retort flues, the other retort flue to have the same elevation; E, E, E, E, plan of the dispersing flues; E, E, N° 1, narrow elevation of d° E, E, N° 2, broad elevation of d°. The plan and elevation of A and A N° 1 will sometimes be a circular body, instead of square, to accord with the form of the

A.D. 1898, SEPTEMBER 15, N° 2917.  
WARREN'S SPECIFICATION.



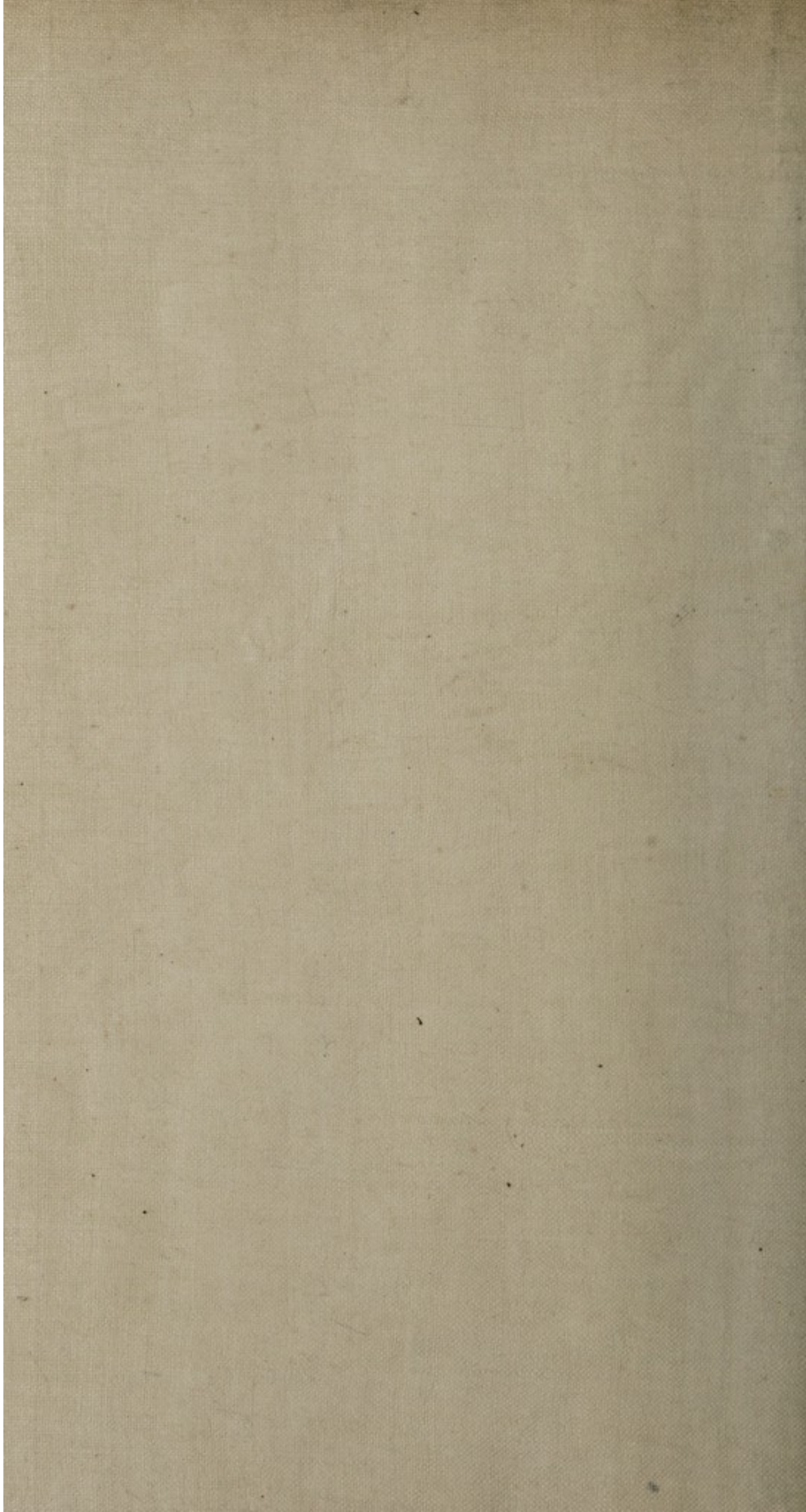
*The aerial drawing is not colored.*



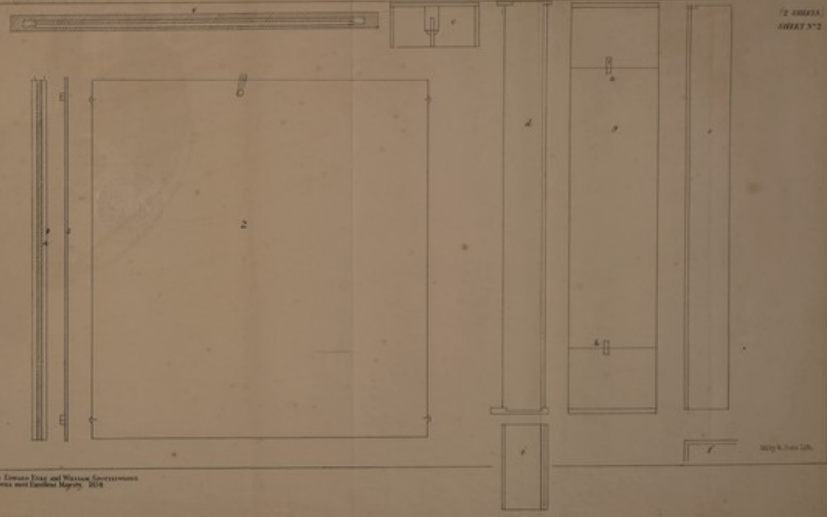
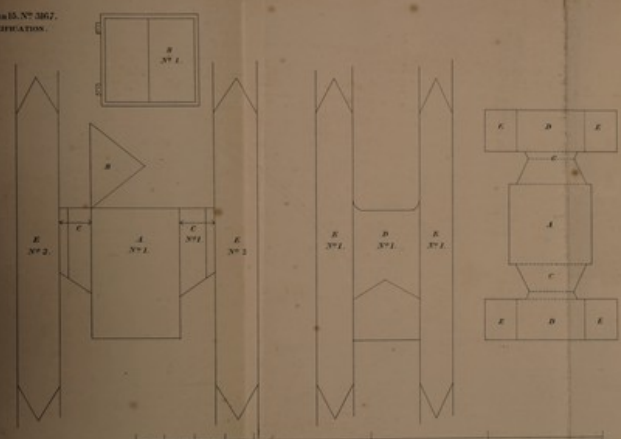
Engraved by George Langley Jones and William Strickland  
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2 SHEETS.  
SHEET N° 1.

Map 4, Sheet 10



A.D. 1908. No. 15. N° 267.  
WARRANTY. N° 267.

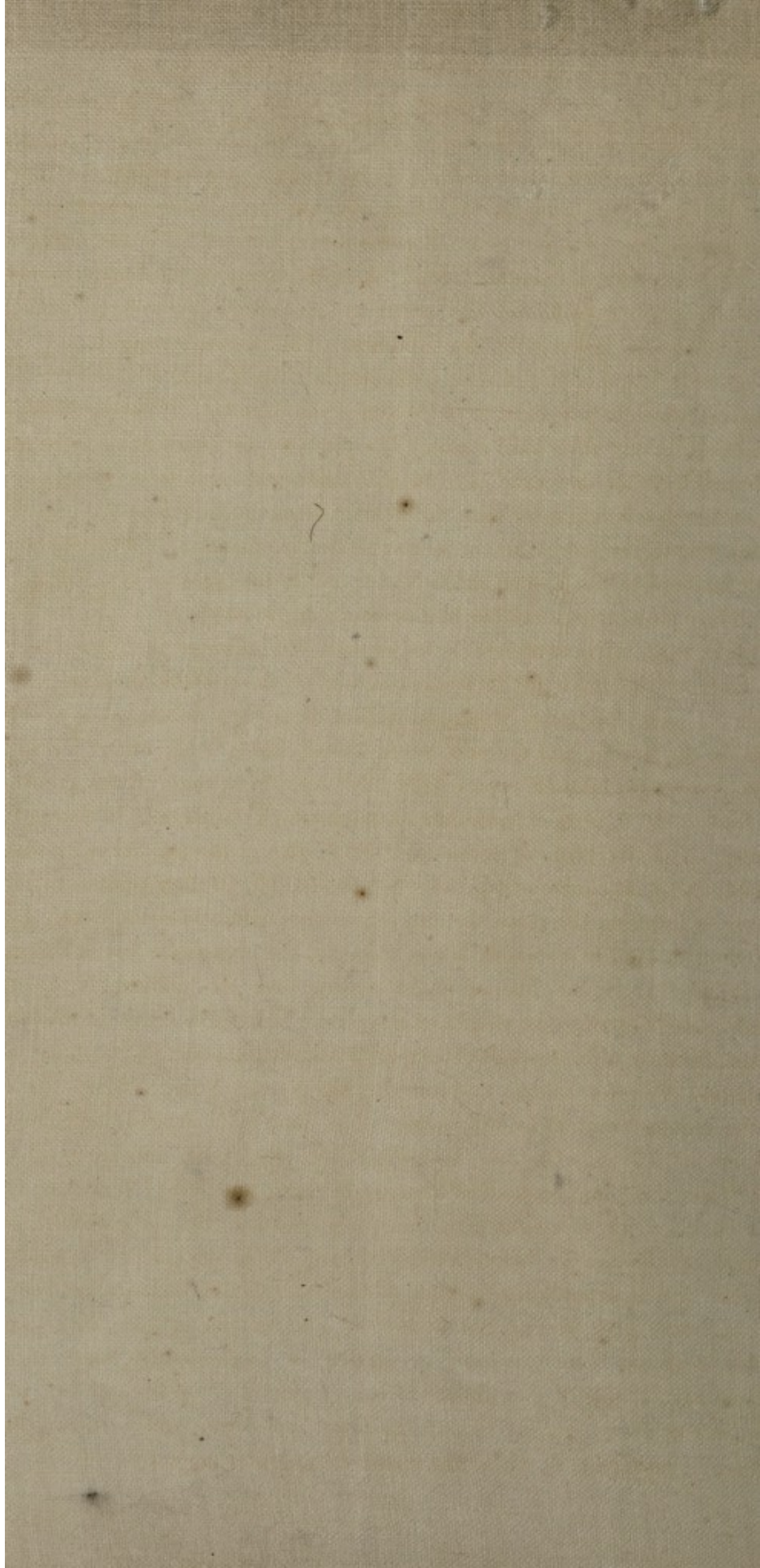


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May 19, 1908





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chimney flue, in which case the diameter may be more or less than nine inches and it will require a circular cover, hung with one hinge, with a smোক divider, as per section and plan B. Note: For the conveniency of fixing the frame, this part of the apparatus, whether round or square, may be fixed in a funnell of  
5 about two feet in length, and the funnel in that case is also to be of sufficient length besides to fasten it on the chimney. The numbers from 1 to 13, and the letters *a, b, c, d, e, f, g, h, i, k, l*, denote the several parts of that part of the apparatus which is to be fixed at the botton of the chimney; it may be made with iron, brass, or any other hard metal. The plate, as per Drawing, is to be made  
10 conformable to the fire-place as to heighth and width, and must invariably be two inches in heighth more than the heighth from the hearth to the under side of the mantle, and must act in a perpendicular direction. N° 1, the sliding plate, fastened to the line or chain N° 11, and in the grooves N<sup>os</sup> 5, 5; N° 2, the sliding plate, without either line or chain or grooves; N° 3, the section of  
15 the plate, made with small wheels to prevent the edge of the plate touching the back of the grooves; N° 4, the section of the grooves in the frame on which the plate is to act; N° 4<sup>a</sup>, the section of grooves to be made from the frame to the hearth, and the part where dotted, which is the outer part of the these grooves, to take off occasionally; N<sup>os</sup> 5, 5, front view of the grooves in  
20 the frame; N° 6, plan of lower bar, through which the plate is to descend and ascend; N° 7, thickness of lower bar; N° 8, plan of the top bar, with plan of pullies; N° 9, thickness of top bar; N<sup>os</sup> 10, 10, 10, 10, four pullies, to act for raising or lowering the plate, the two center ones with ears rivitted into the top bar, the two outside ones with hooks and eyes, the eyes made fast in the walo;  
25 N° 11, 11, 11, 11, the line or chain passing over the pullies; N° 12, 12, a weight, nearly equal to the weight of the plate. Note: The frame at the bottom of the chimney to be covered closely in front with a plate. N° 13, 13, small chain and balls for raising and lowering the plate. Note: Where the form of the chimney and room will admit of it, and it is desired, the line and  
30 weights N<sup>os</sup> 11 and 12, may be brought into the room, and serve to raise and lower the plate, instead of the small chain and balls No. 13. A box may be used for a weight with one pulley only to raise or lower the plate, instead of the pullies before described, and is to be preferred whenever convenient. *a* denotes the section of box; *b*, plan of box, fastened to the  
35 top bar, with plan of ear and pulley; *c*, plan of top of box, with plan of pulley detached from top bar; *d*, section of box sideways, with top and bottom bar; *e*, side of *d*<sup>o</sup> without the bar; *f* plan of *d*<sup>o</sup>; *g* back of box, with a joint in two places in order to shift the upper and lower part, with two simple fastenings marked *h, h*, where the upper shifting part cannot be easily got at;

*Warren's Impts. in Apparatus to Prevent Chimnies from Smoking.*

otherwise there may be a small door made for that purpose in the front of the chimney opposite the upper shifting part; *i*, the plan of the bottom of the box; *k*, the line or chain; *l*, the weight, nearly equal to the weight of the plate. Note: There must be a groove in the hearth stone for the plate to fall into a quarter of an inch deep; the top bar of the grate or stove must be not less than one 5 inch and a half from the plate when lowered. The lower bar 6, 7, of the apparatus above described to be fixed nearly level with the under side of the mantle, and also if convenient a recess to be left in the brickwork of one inch and a half, in order that the front of the apparatus may line with the face of the brickwork. There may be a half plate merely for preventing the smoak, 10 but not for extinguishing the fire, to have four wheels, and work in a frame, as before described, 5, 5, 7, 9, to act either with or without weight or pullies, but if without, there must be two springs, one on each edge, near the top, as per section marked thus *x*; this half plate may be made of tin. *y*, front view of half plate. 15

In witness whereof, I, the said John Warren, have hereunto set my hand and seal, this Fifth day of October, in the year of our Lord One thousand eight hundred and eight.

JOHN WARREN. (L.S.)

**AND BE IT REMEMBERED**, that on the same Fifth day of of October, in 20 the year above mentioned, the aforesaid John Warren came before our Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained, in form above written. And also the Specification aforesaid was stamped according to the tenor of the Statute in that case made and provided. 25

Inrolled the Sixth day of October, in the year above written.

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,  
Printers to the Queen's most Excellent Majesty. 1854.