

Specification of William Burge : fire-places.

Contributors

Burge, William.

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A.D. 1813 N° 3752.

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

OF

WILLIAM BURGE.

—
FIRE-PLACES.
—

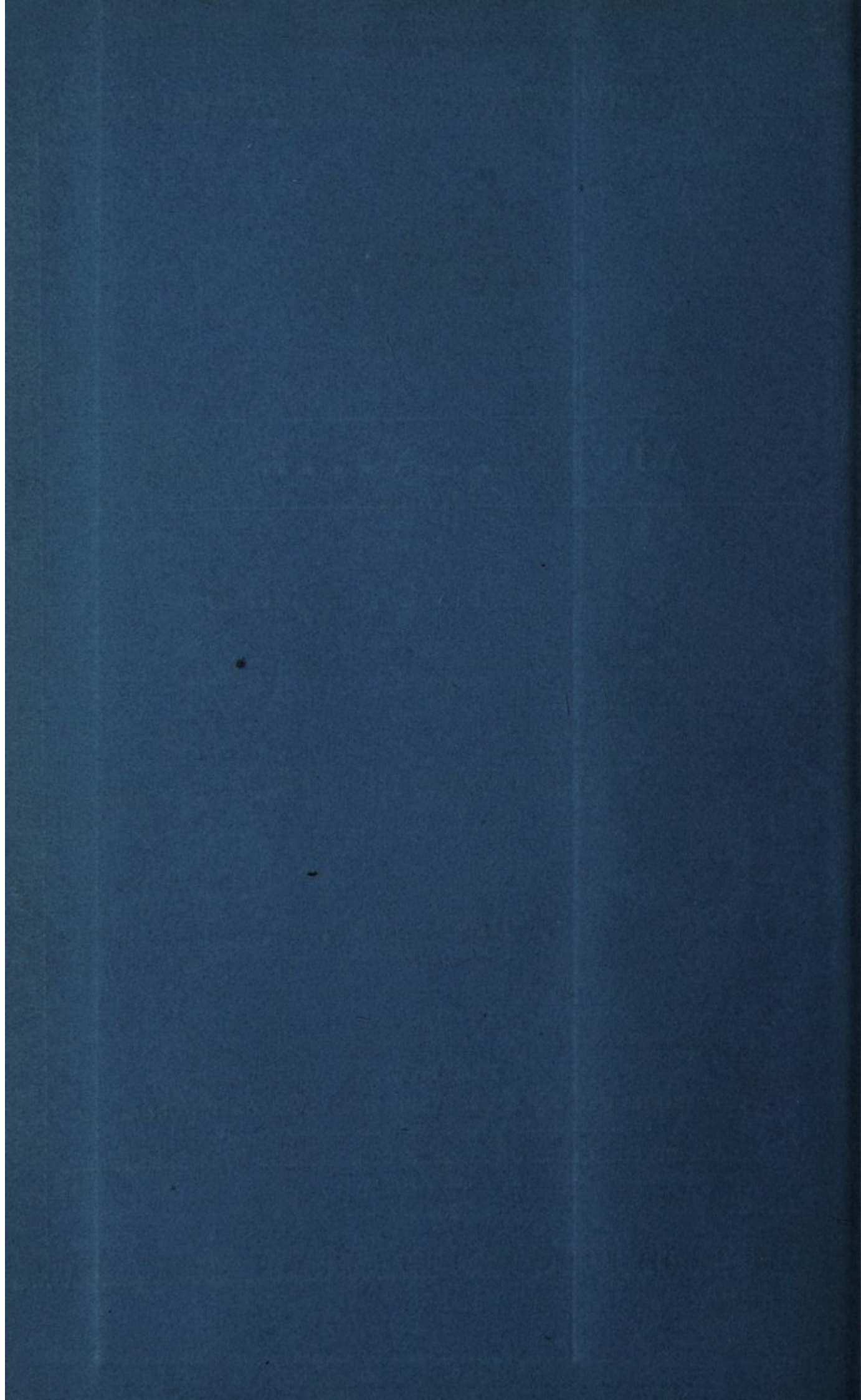
L O N D O N :

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1854.





A.D. 1813 N° 3752.

Fire-places.

BURGE'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, WILLIAM BURGE, of the City of Bristol, Confectioner, send greeting.

WHEREAS His most Excellent Majesty King George the Third, by His Letters Patent under the Great Seal of the United Kingdom of Great Britain and Ireland, bearing date at Westminster, the Sixteenth day of November, in the fifty-fourth year of His reign, did give and grant unto me, the said William Burge, my exors, admors, and assigns, His special licence, full power, sole privilege, and authority, that I, the said William Burge, my exors, admors, and assigns, during the term of fourteen years therein mentioned, should and lawfully might make, use, exercise, and vend, within that part of His said Majesty's Kingdom of Great Britain called England, His Dominion of Wales, and Town of Berwick upon Tweed, and also in all His Majesty's Colonies and Plantations abroad, my Invention of "CERTAIN IMPROVEMENTS IN THE CONSTRUCTION OF FIRE-PLACES;" in which said Letters Patent there is contained a proviso that if I, the said William Burge, shall not particularly describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, by an instrument in writing under my hand and seal, and cause the same to be inrolled in His Majesty's High Court of Chancery within two calendar months next and immediately after the date of the said recited Letters Patent, then the said Letters Patent, and all liberties and advantages whatsoever thereby granted, should utterly cease, determine, and become void, as in and by the said Letters Patent, on relation being thereto had, will more fully and at large appear.

Burge's Improvements in the Construction of Fire-places.

NOW KNOW YE, that in compliance with the said proviso, I, the said William Burge, have, in the Plans or Drawings specified in the margin hereof, and to which these presents refer, set forth, and do hereby describe and ascertain the nature of my said Invention, and the manner in which the same is to be performed, as follows; (that is to say,)—

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Figure 1 is a stove of the vase kind, shewing its fire on the top through a hollow work cover A, of various patterns; the current of air necessary for combustion enters on the top, and passing through the fire carries with it all the smoke, sulphur, and every offensive matter into the hollow space B, between the grate and outside, which communicates with the flue behind through the aperture C; the grate D containing the fire is composed of bars or other openings, either vertical or horizontal, to let the smoke, &c. into the flue; in the base on which it stands is a drawer E to receive the ashes. Figure 2 is the same as Figure 1, excepting that it stands on legs, and the receiver of the ashes is immediately under the grate. The nichs in which these stoves stand may be composed of one or many pieces of clay, metal, or any other incombustible substance; immediately behind the niche is the flue G, which has a space H round it air-tight, to which are fixed pipes I, one for the bringing fresh air into and the other for taking hot air from it, into the same or other rooms.

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Figure 3 is another vase calculated to stand in any part of the room, the smoke to be conducted from it under ground; this vase, like the last, shews its fire on the top, similar to Figure 1. Between the outside and the grate containing the fire is an inside casing K, supported by stays L, either from the sides or bottom, to give room for the descent of the smoke all round it, through the foot M to the flue below. This case contains the ash-box, to prevent the ashes falling into the flue.

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Figure 4:—This fire-place is a grate N, fixed on a pedestal O; round this grate is a broad projecting rim P, slanting upwards, which serves the purpose of a fender, and prevents the fire falling out; round this fire-place are any number of hollow pillars Q, supporting a dome R; under this is another dome S, with an aperture T in the centre, sufficiently large to admit the smoke to ascend through it, which, coming in contact with the upper dome R, is repelled by it down the pillars into the hollow base U on which it stands; from the base it may either be conveyed under the floor to a chimney, or ascend again through the pedestal into the fire; in the pedestal is the drawers for the ashes; in the base are one or more openings V, which may be closed at pleasure to admit air to the bottom of the fire.

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Figure 5 is a fire-place, shewing its fire all round, with its flue A in the centre to convey the smoke down; pillars or other ornaments B support the top; the opening between the pillars have each an open fancy work door C; 40

FIG. 1.



SECTION OF FIG. 1.



FIG. 2.



SECTION OF FIG. 2.

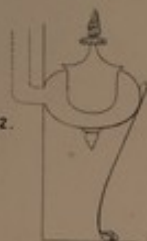


FIG. 3.



SECTION OF FIG. 3.



FIG. 4.



SECTION OF FIG. 4.

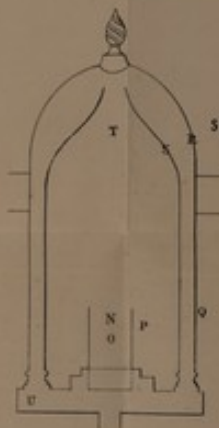


FIG. 5.



SECTION OF FIG. 5.

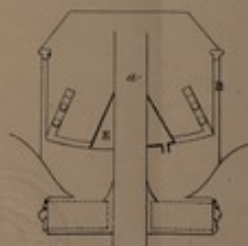


FIG. 6.

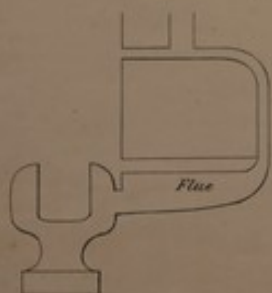
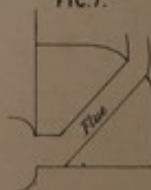
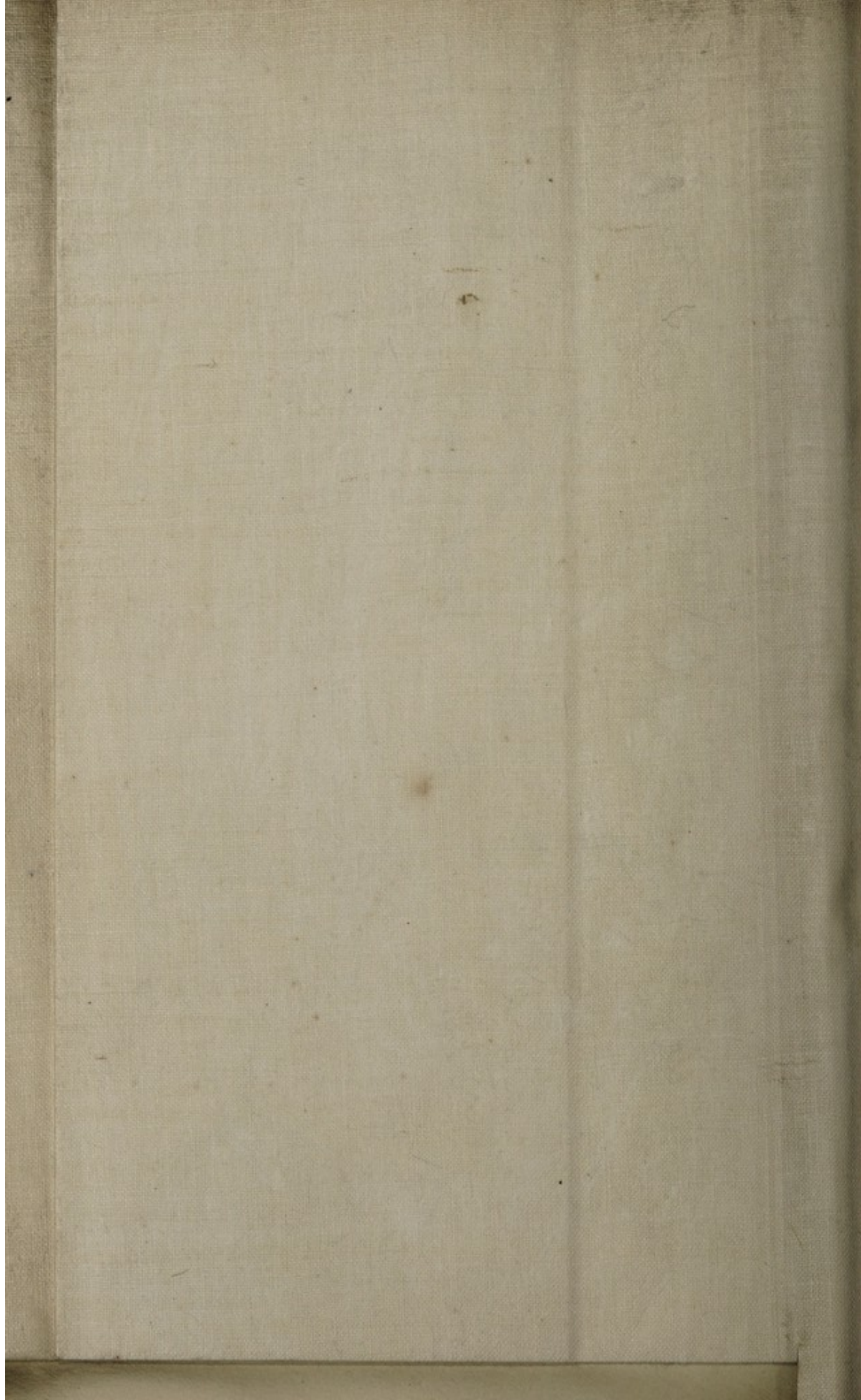


FIG. 7.





Burge's Improvements in the Construction of Fire-places.

hung by hinges or other fastenings, which open to supply the fire, and serve as guards to prevent anything falling into it; round the grate is a projecting rim similar to Figure 4, within the grate round the flue is an air-tight chamber E for warming the air.

5 All or any of the stoves or fire-places may be made round, oval, square, or of any number of sides, and may be composed of metal, or any other incombustible substance. The superabundant heat produced by the above-described stoves may be applied to many useful purposes, such as warming other rooms, green-houses, &c. &c., also for obtaining a regular and determined heat in ovens,
10 stoves, &c. for chemical and other purposes, as delineated in Figures 6 and 7.

Which said Invention, as above specified and described in the construction of fire-places, stoves, and grates, are to be used and applied for curing smoky chimneys, preventing dust, and obtaining an increased heat from the same quantity of fuel, preventing likewise all accidents by fire, being so constructed
15 that the fuel cannot fall out of them, and never getting hot enough to set fire to anything that may fall or be blown against them, by the means of a space round the fire serving the purpose of a flue, and which prevents the outside getting too hot, or by fences of hollow work through which the fire is seen, and which serve as guards to prevent all danger from light dresses of females or
20 children touching or approaching too near the fire.

In witness whereof, I, the said William Burge, have hereunto set my hand and seal, this day of December, in the fifty-fourth year of the reign of our Sovereign Lord George the Third, by the grace of God of the United Kingdom of Great Britain and Ireland King,
25 Defender of the Faith, and in the year of our Lord One thousand eight hundred and thirteen.

WILLIAM BURGE. (L.S.)

AND BE IT REMEMBERED, that on the Fourteenth day of December, in the year of our Lord 1813, the aforesaid William Burge came before our
30 said Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and everything therein contained and specified, in form above written. And also the Specification aforesaid was stampd according to the tenor of the Statute made for that purpose.

Inrolled the Eighteenth day of December, in the year of our Lord One
35 thousand eight hundred and thirteen.

LONDON :

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

STRICKLAND, Extra.

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