

Specification of James MacNaughton : fire grate and range.

Contributors

MacNaughton, James.

Publication/Creation

London : Queen's printing office, 1854 (London : George E. Eyre and William Spottiswoode)

Persistent URL

<https://wellcomecollection.org/works/g5pnph5q>

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>



A.D. 1805 N^o 2882.

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

OF

JAMES MACNAUGHTAN.

FIRE GRATE AND RANGE.

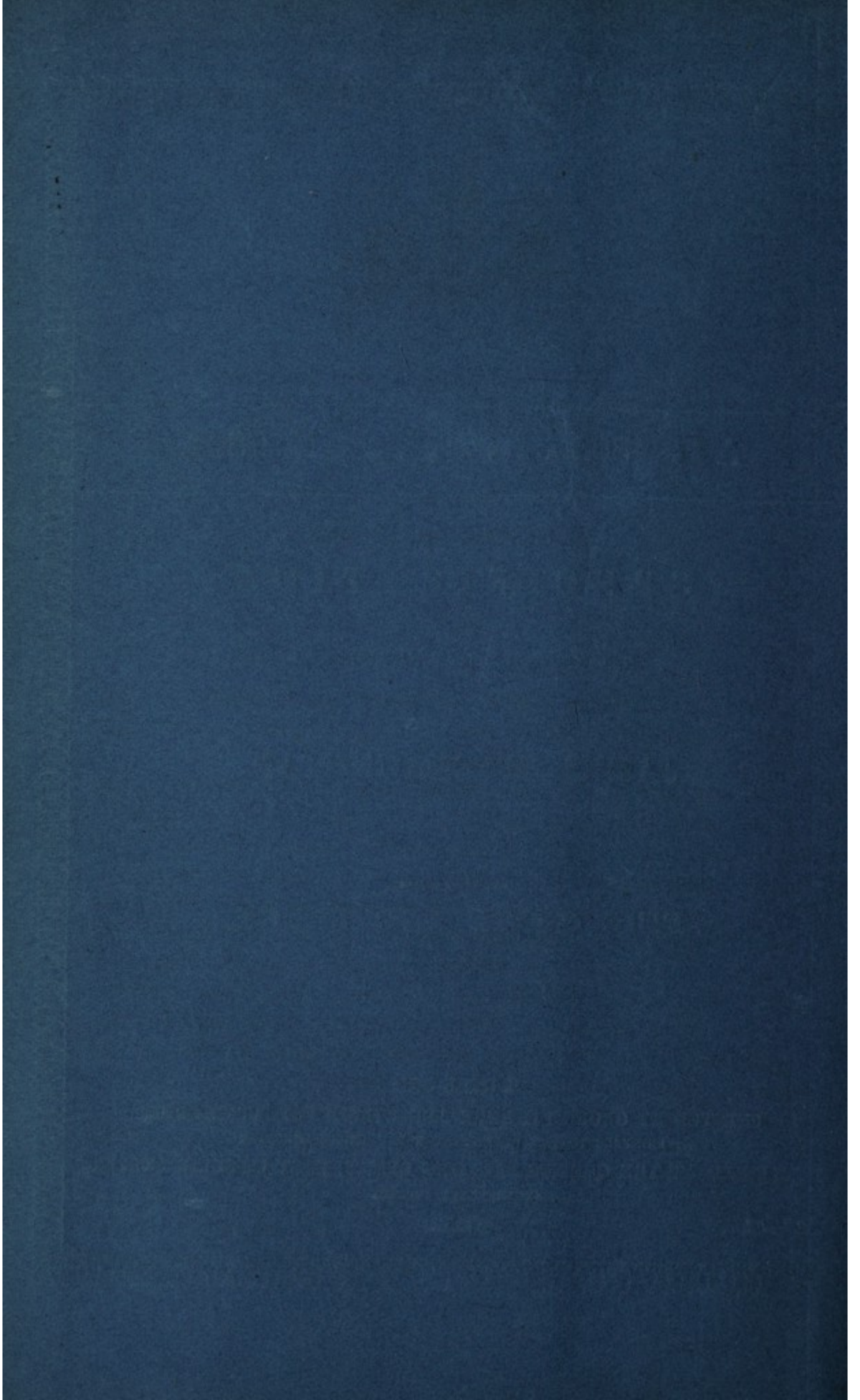
L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE QUEEN'S PRINTING OFFICE, EAST HARDING STREET,
NEAR FLEET STREET.

Price 6d.

1854.





A.D. 1805 N° 2882.

Fire Grate and Range.

MACNAUGHTAN'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JAMES MACNAUGHTAN, of Great Queen Street, Lincoln's Inn Fields, in the County of Middlesex, Ironmonger, send greeting.

WHEREAS His most Excellent Majesty King George the Third did, by His
5 Letters Patent under the Great Seal of the United Kingdom of Great Britain and Ireland, bearing date at Westminster, the Twenty-seventh day of September, in the forty-fifth year of His reign, give and grant unto me, the said James Macnaughtan, my executors, administrators, and assigns, His especial licence that I, the said James Macnaughtan, my executors, administrators, and
10 assigns, during the term of years therein mentioned, should and lawfully might use, exercise, and vend, within England, Wales, and the Town of Berwick upon Tweed, my Invention of "**A STOVE OR GRATE AND RANGE UPON A NEW CON-**
STRUCTION, BY WHICH ROOMS WILL BE MUCH MORE EFFECTUALLY WARMED THAN THEY NOW ARE, AND THE CHIMNIES PREVENTED FROM SMOAKING;" in which said Letters
15 Patent there is contained a proviso obliging me, the said James Macnaughtan, by an instrument in writing under my hand and seal, to cause a particular description of the nature of my said Invention, and in what manner the same is to be performed, to be inrolled in His Majesty's High Court of Chancery within one calendar month after the date of the said recited Letters Patent, as
20 in and by the same, relation being thereunto had, may more fully and at large appear.

Macnaughtan's Improved Stove or Grate and Range, &c.

NOW KNOW YE, that I, the said James Macnaughtan, in compliance with the said proviso, do hereby declare that my said Invention is described in the Drawing hereunto annexed, and the following description:—

A, A, A, A, the front of the stove; B, B, a sliding frame or regulator, being an oblong or other framed hollow vessel or figure, open at the back, and made to fit 5 the opening of the stove or chimney, the bottom of which is made of cast iron or other proper material capable of bearing heat, and the sides and top of wrought iron or other proper material, which regulator is made to slide or move backwards on rollers or on bars, or on both, or in any other convenient way, into a recess made in the back of the chimney to receive it, see B, C, Fig. 2; but when the 10 chimney is not of thickness enough to admit of such recess, the stove may be brought sufficiently forward into the room to permit the said recess to be made, or the said sliding frame or regulator may be hung with or on weights and pulleys so as to move in a perpendicular direction, instead of on a horizontal one, the chimney being previously made to receive it; and the regulator may also be left 15 open at the top or sides or otherwise, and for the more easy ascending the chimney, the front of the regulator may have hinges placed either in the front or the sides thereof, if thought necessary. C, an aperture in the sliding regulator to receive a key or other fit instrument for the purpose of moving the regulator backwards and forwards, in order to increase or decrease the heat in 20 the room; D, D, D, D, the descending flues, made about four inches by six inches, down or through which the heat and smoke descends and passes along into and up E, E, E, E, the ascending flues, which are also made about four inches by six inches, over the top or sides of the stove into the chimney. The ascending flues are lined with brickwork or any other materials that will receive 25 and retain the heat, or they may be made, if thought necessary, without such lining, according to circumstances. F, F, the edge of the partitions which divides the descending and ascending flues, which are made of cast iron or any other fit material; G, G, the brickwork or lining placed internally. Fig. 2, a side view or section of Fig. 1. A, A, the outside cheek; B, the slide or 30 regulator; C, the recess, made to receive the regulator; D, D, shew one side of the sliding bars, &c., another of which is placed on the other side of the stove, on which the sliding regulator moves backward and forward, as required. The dotted line E shews the bottom of the flues. F, the front bars; G, the bottom bars. I apply the regulator also to kitchen and other ranges for the 35 purpose of conducting the heat or fire round the boilers, ovens, or hot plates, by placing two bars, one on each hob or nearly on the hobs, rounded or otherwise on the edges, with corresponding notches made in the regulator that it may slide easily backwards and forwards on such bars, and in some instances I apply

FIG. 1.

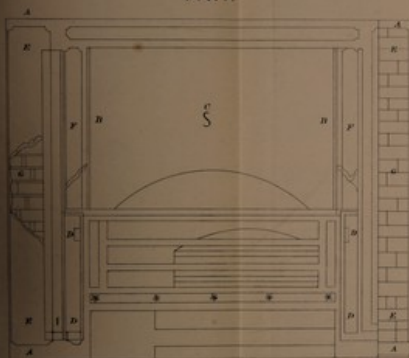


FIG. 2.

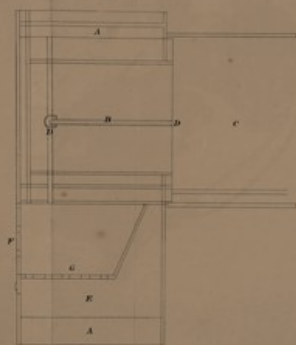
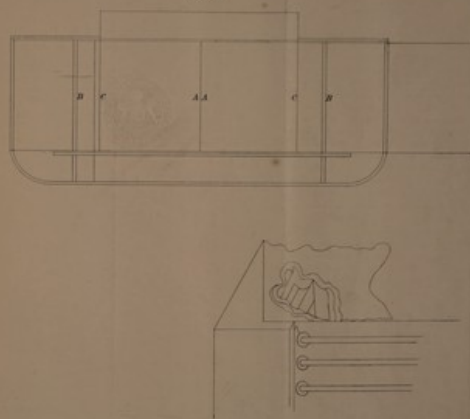


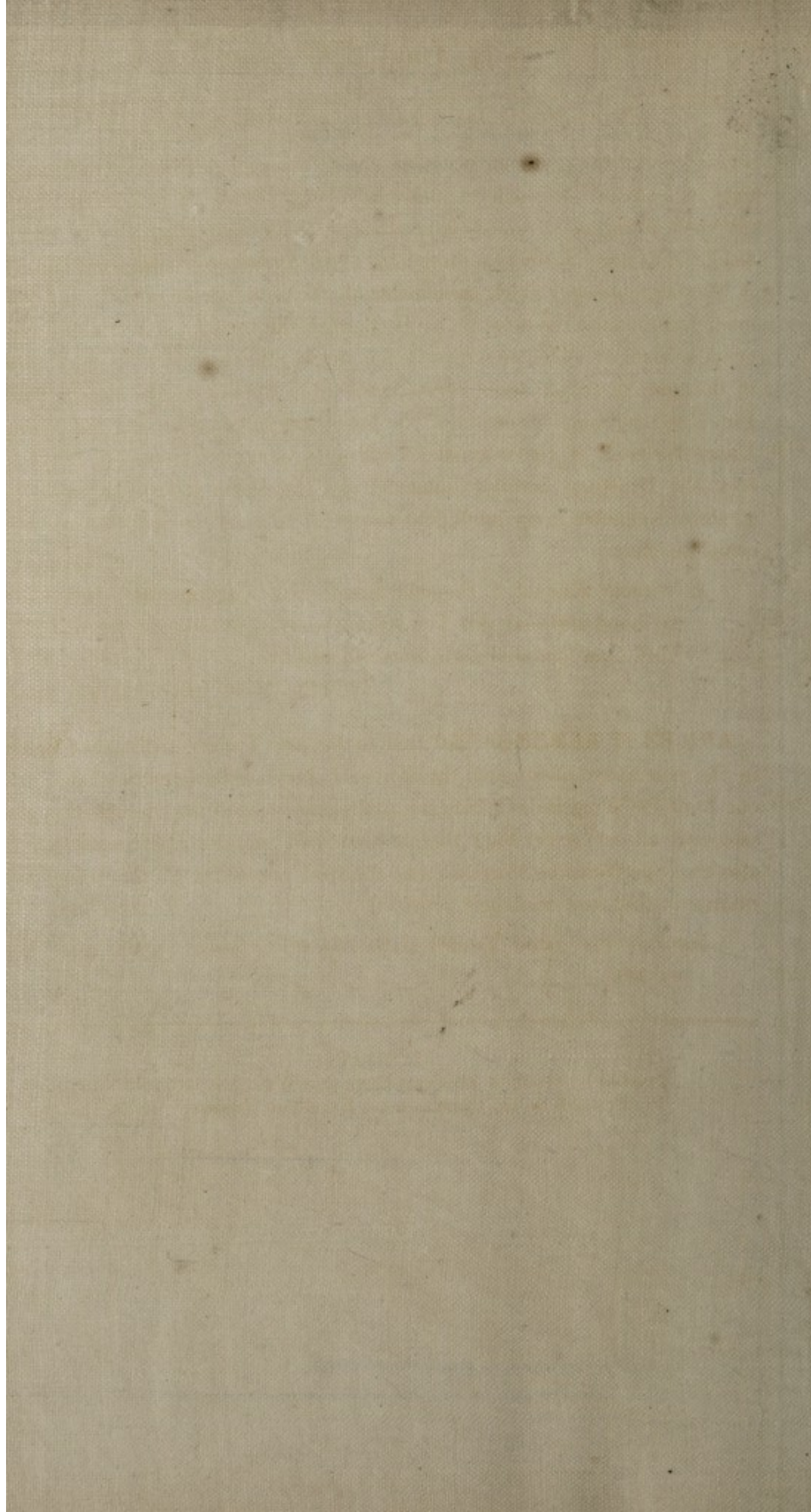
FIG. 3.



The enclosed drawing is partly colored.

Printed by GEORGE LEWIS & SONS, 15, Abchurch Lane, London, E.C. 4.

Wiley & Sons, Ltd.



Macnaughtan's Improved Stove or Grate and Range, &c.

a cast iron or wrought iron plate, which, with hinges or pivots or otherwise, is fixed or fastened and made to fall forwards over the fire from a recess made in the back of the stove or chimney, which will also have a tendency to force the smoke and heat in the like direction. Fig. 3, the top of the stove and hobs.

- 5 A, A, sliding plates, which pass under the hobs at openings C, C, or may be made to pass over the hobs, as at B, B, after the manner of a winding range, or on grooves or slides, or otherwise; a single plate may also be made to pass in the same direction into a recess made in either side of the chimney, as D. Fig. 4 is a perspective section of the hobs and flues, preserving the principle.
- 10 I vary the mode of construction according to local circumstances; but I conceive the Drawings hereunto annexed and the above description to be fully adequate to enable every intelligent workman to carry my said Invention into complete effect.

- In witness whereof, I, the said James Macnaughtan, have hereunto set
15 my hand and seal, this Twenty-sixth day of October, in the year of our Lord One thousand eight hundred and five.

JAMES MACNAUGHTAN. (L.S.)

- AND BE IT REMEMBERED**, that on the same Twenty-sixth day of October, in the year above mentioned, the aforesaid James Macnaughtan came before
20 our Lord the King in his Chancery, and acknowledged the Specification aforesaid, and all and everything 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.

- Inrolled the same Twenty-sixth day of October, in the year above
25 written.

JOHN ORD.

LONDON:

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

