

Specification of Robert Higgin : constructing flues with extra or upper furnace for interception and consumption of smoke.

Contributors

Higgin, Robert.

Publication/Creation

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

Persistent URL

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A.D. 1823 N° 4834.

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

OF

ROBERT HIGGIN.

—
CONSTRUCTING FLUES WITH EXTRA OR
UPPER FURNACE FOR INTERCEPTION
AND CONSUMPTION OF SMOKE.
—

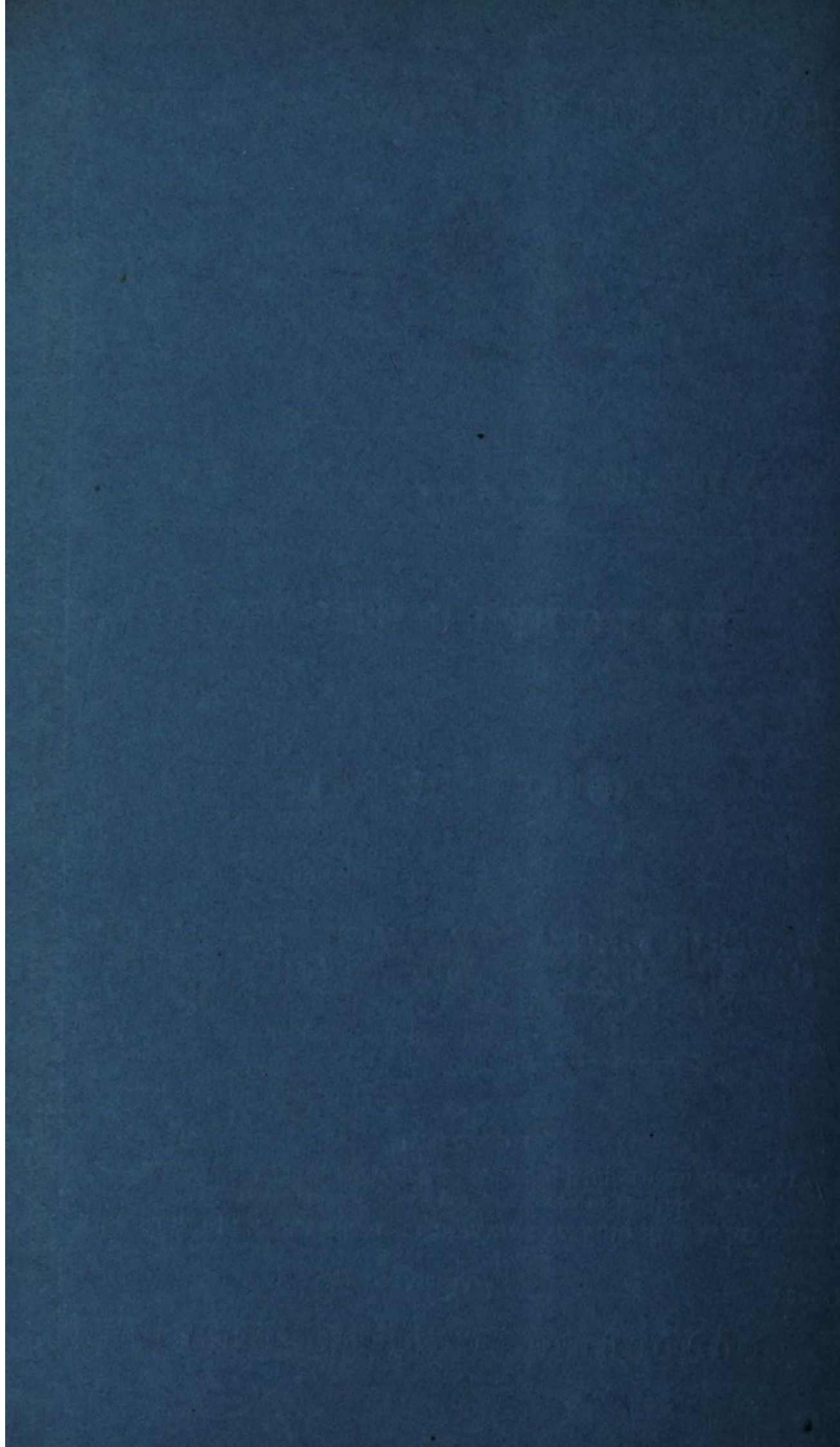
L O N D O N :

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 8d.

1854.





A.D. 1823 N° 4834.

**Constructing Flues with Extra or Upper Furnace for
Interception and Consumption of Smoke.**

HIGGIN'S SPECIFICATION.

**TO ALL TO WHOM THESE PRESENTS SHALL COME, I, ROBERT
HIGGIN, of the City of Norwich, Shawl Manufacturer, send greeting.**

WHEREAS His present Majesty King George the Fourth, by His Letters
Patent, under the Great Seal of Great Britain, bearing date at Westminster,
5 the Eighteenth day of August now last past, did give and grant unto me, the
said Robert Higgin, His especial licence, full power, sole privilege and
authority, that I, the said Robert Higgin, my executors, administrators, and
assigns, and such others as I, the said Robert Higgin, my executors, adminis-
trators, or assigns, should at any time agree with, and no others, from
10 time to time and at all times thereafter 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, my Invention of "**A
NEW OR IMPROVED METHOD OF CONSUMING OR DESTROYING SMOKE;**" in which
said Letters Patent there is contained a proviso obliging me, the said Robert
15 Higgin, 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 within six calendar months next and
immediately after the date of the said recited Letters Patent, as in and by
20 the said recited Letters Patent, reference being thereunto had, will more fully
appear.

NOW KNOW YE, that in compliance with the said proviso, I, the said
Robert Higgin, do hereby declare that the nature of my said Invention, and
the manner in which the same is to be performed, is particularly described and
25 ascertained as follows, that is to say:—

Higgin's Improved Method of Consuming or Destroying Smoke.

My Invention consists in having an extra or upper furnace placed in any convenient and proper situation in the flue through or up which smoke passes or ascends from the ordinary furnaces of breweries, distilleries, steam engines, or any other concern or establishment where furnaces are used, and such extra or upper furnace must be placed in such a position and at such part of 5 the flue as circumstances will render best adapted to give effect to the object hereafter stated, and which any competent workman employed upon the occasion will easily determine, and it must be so exactly fitted to the flue as to prevent the escape or passage of any smoke from the ordinary furnace without passing through such extra or upper furnace. Care must also be 10 taken to let the extra or upper furnace be sufficiently supplied with atmospheric air in addition to what is common to the ordinary furnace, for without such additional supply of atmospheric air the fire in the extra or upper furnace will be in danger of being extinguished. The extra or upper furnace may be supplied with cinders, coke, charcoal, or any other fuel which will not emit 15 smoke in its consumption, for the use of any fuel which does emit smoke in its consumption would to a certain extent diminish the object of my Invention. Previously to the kindling or lighting the fire in the ordinary furnace, the fire should be kindled or lighted in the extra or upper furnace and continued burning till after the fire is extinguished in the ordinary or lower furnace, and 20 the smoke from the ordinary or lower furnace having no means of passing or escaping except through the fire in the extra or upper furnace, it is thereby consumed or destroyed.

In witness whereof, I, the said Robert Higgin, have hereunto set my hand and seal, the Thirteenth day of February, in the year of our 25 Lord One thousand eight hundred and twenty-four.

ROBT HIGGIN. (L.S.)

AND BE IT REMEMBERED, that on the same Thirteenth day of February, in the year above mentioned, the aforesaid Robert Higgin came before our Lord the King in His Chancery, and acknowledged the Specification 30 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.

JAS STEPHEN.

Inrolled the same Thirteenth day of February, in the year above written.

LONDON :

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