

Specification of Richard North : smoke-consuming apparatus.

Contributors

North, Richard.

Publication/Creation

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A.D. 1864, *23rd APRIL.* N^o 1034.

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

OF

RICHARD NORTH.

—
SMOKE-CONSUMING APPARATUS.
—

LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,

25, SOUTHAMPTON BUILDINGS, HOLBORN.

1864.

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THE DIVISION OF THE PHYSICAL SCIENCES
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A.D. 1864, 23rd APRIL. N° 1034.

Smoke-consuming Apparatus.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Richard North at the Office of the Commissioners of Patents, with his Petition, on the 23rd April 1864.

I, RICHARD NORTH, of Birstal, near Leeds, in the County of York, do hereby declare the nature of the said Invention for "IMPROVEMENTS IN SMOKE-CONSUMING APPARATUS," to be as follows:—

My Invention has for its object the more perfect combustion of fuel in the fires of steam and other boilers, and the consequent economy obtained thereby. I effect this by placing at the mouth of the furnace or flue, upon the "dead plate," a tube by preference square in section, and provided with small apertures on that side which is presented to the fire; this tube may be curved on its outer edge to the radius of the flue (when applied to boilers fired internally) and form in fact, in conjunction with the dead plate and the door, the front part of the furnace fittings. Holes cut in the dead plate corresponding in size and position with that of the tube admit the outer air, the supply being regulated by a valve being placed at each end of the tube, the said valves being connected by suitable mechanism, and opened or closed at the will of the attendant. By means of the above-named apparatus jets of air are thrown in at the front part of and equally all round the furnace through the small apertures before named, a principle which experience proves to be superior to those in common use, inasmuch as the combustion of the fuel is more perfect.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1864.

ALD. 1884, read N. 1084

THE PROPOSED AMENDMENT

(This Amendment is proposed by the Committee on the Constitution)

SECTION 1. The Constitution of the United States, in the words of the first clause of the first article, shall be amended so that the words "the States" shall be changed to "the States and the District of Columbia."

SECTION 2. The Constitution of the United States, in the words of the second clause of the first article, shall be amended so that the words "the States" shall be changed to "the States and the District of Columbia."

SECTION 3. The Constitution of the United States, in the words of the third clause of the first article, shall be amended so that the words "the States" shall be changed to "the States and the District of Columbia."

SECTION 4. The Constitution of the United States, in the words of the fourth clause of the first article, shall be amended so that the words "the States" shall be changed to "the States and the District of Columbia."

SECTION 5. The Constitution of the United States, in the words of the fifth clause of the first article, shall be amended so that the words "the States" shall be changed to "the States and the District of Columbia."

SECTION 6. The Constitution of the United States, in the words of the sixth clause of the first article, shall be amended so that the words "the States" shall be changed to "the States and the District of Columbia."

SECTION 7. The Constitution of the United States, in the words of the seventh clause of the first article, shall be amended so that the words "the States" shall be changed to "the States and the District of Columbia."

Approved by the Senate and House of Representatives of the United States of America in Congress assembled, this 10th day of July, 1884.