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A.D. 1854 . . . . . N° 2069.

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

OF

WILLIAM FLOWERDEW SADLER

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CONSUMING SMOKE IN FURNACES, &c.

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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.

1855.





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**Consuming Smoke in Furnaces, &c.**

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*(This Invention received Provisional Protection, but notice to proceed with the application for Letters Patent was not given within the time prescribed by the Act.)*

**PROVISIONAL SPECIFICATION** left by William Flowerdew Sadler at the Office of the Commissioners of Patents, with his Petition, on the 26th September 1854.

I, WILLIAM FLOWERDEW SADLER, of 96, Tooley Street, Southwark, in the  
5 County of Surrey, Millwright, Engineer, and Manufacturer to the Government of Submarine Apparatus for the Recovery of Sunken Property, do hereby declare the nature of the said Invention for “**A MACHINE OR APPARATUS FOR USING UP ALL THE SMOKE OF FURNACES AND OTHER FIRE-PLACES**” to be as follows:—

10 By the application of a screw, fan, pump, or other ventilator, in a channel constructed to communicate with the furnace or fire-place at one or both ends, to concentrate and direct all the smoke, caloric, and other draughty matter arising from the furnace or other fire-place; and by rotation or similar  
or other movement, cause the same to return through the said channel into  
15 the fire again for consumption of the whole of the smoke from the furnace or fire-place; the machine or apparatus thus constructed to be worked by animal, mechanical, or its own power. The end and object are the creation of a draught from the end of the furnace or fire-place through a channel into the fire again, and that thereby the escape of all caloric, smoke, and other draughty  
20 matter of furnaces and other fire-places may be prevented, and the smoke consumed.



