Specification of James Rice and William Matthews : instrument for taking and applying vaccine matter.

Contributors

Rice, James. Matthews, William.

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A.D. 1853 Nº 2686.

SPECIFICATION

OF

JAMES RICE AND WILLIAM MATTHEWS.

INSTRUMENT FOR TAKING AND APPLYING VACCINE MATTER.

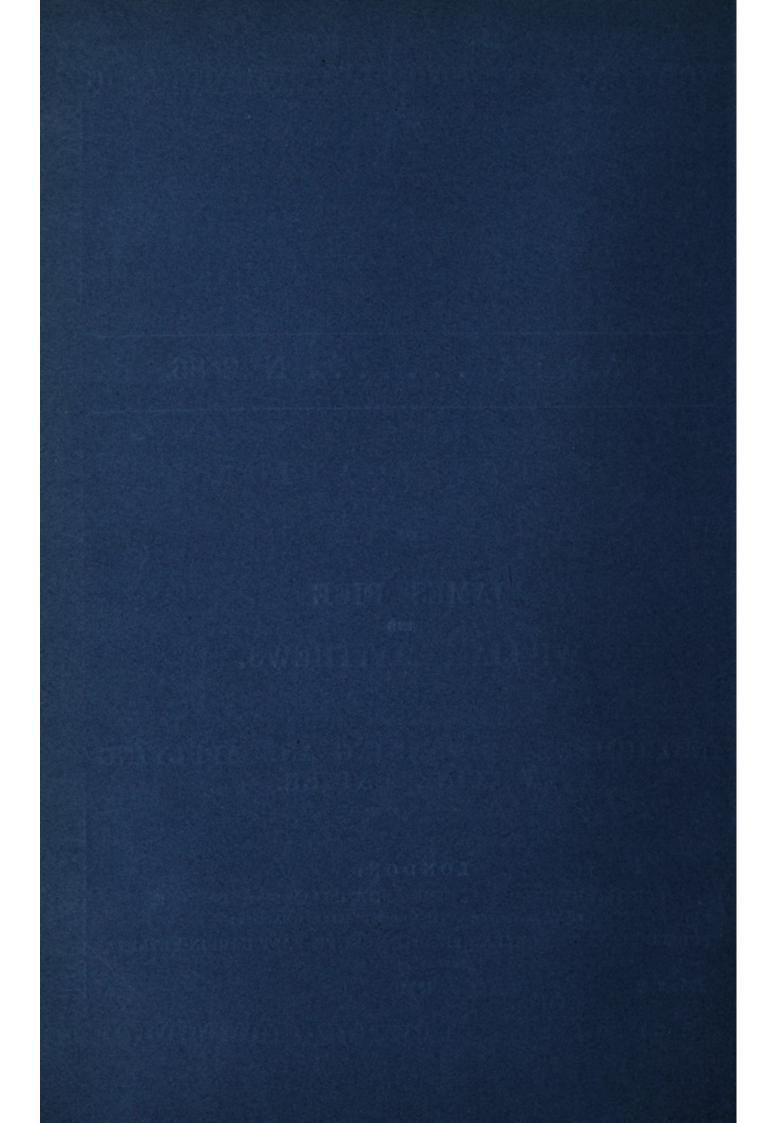
LONDON:

PRINTED BY GEORGE F. EYRE AND WILLIAM SPOTTISWOODE, PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY : PUBLISHED AT THE QUEEN'S PRINTING OFFICE, EAST HARDING STREET,

NEAR HILLS STREET.

Price 21d.

1854





A.D. 1853 . Nº 2686.

Instrument for Taking and Applying Vaccine Matter.

(This Invention did not proceed to the Great Seal.)

PROVISIONAL SPECIFICATION left by James Rice and William Matthews at the Office of the Commissioners of Patents, with their Petition, on the 18th November 1853.

We, JAMES RICE, of Foley Place, in the County of Middlesex, 5 Surgeon, and WILLIAM MATTHEWS, of Portugal Street, in the same County, Surgical Instrument Maker, do hereby declare the nature of the Invention for "IMPROVEMENTS IN INSTRUMENTS FOR TAKING AND APPLYING VACCINE MATTER" to be as follows :---

This Invention consists of combining parts into an instrument to 10 facilitate the taking and applying vaccine matter. For this purpose a cylinder or barrel is used, having within it a piston moveable by a piston rod in the manner of a syringe. To the piston is applied a grooved point which is capable of being passed out from and drawn back through the end of the cylinder or barrel. The outer end of the barrel is made somewhat concave, and there is a small hole in the centre for the passage of the puncturing point. On the interior of the

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Provisional Specification.

Rice & Matthews' Impts. in Instruments for Taking, &c. Vaccine Matter.

end is a small chamber through which the pivot passes. The piston rod is moved outwards by pressure, and is by preference brought back by a spring. The quantity of motion given to the piston may be adjusted by a screw nut, or otherwise. In using the instrument to take vaccine matter, the outer end is applied against the place, and the **5** puncturing point pressed outwards; the piston and point are then allowed to move back, and the vacuity in the small chamber caused by the moving back of the piston will be filled by the vaccine matter. When such matter is to be applied the end of the instrument is to be placed on the part of the skin, and the point in passing outwards will **10** carry with it the vaccine matter and apply it by puncturing the skin.

LONDON:

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