

Specification of Joseph Francis Pratt : instruments for relieving deafness.

Contributors

Pratt, Joseph Francis.

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A.D. 1860, 6th DECEMBER. N° 2990.

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

OF

JOSEPH FRANCIS PRATT.

INSTRUMENTS FOR RELIEVING DEAFNESS.

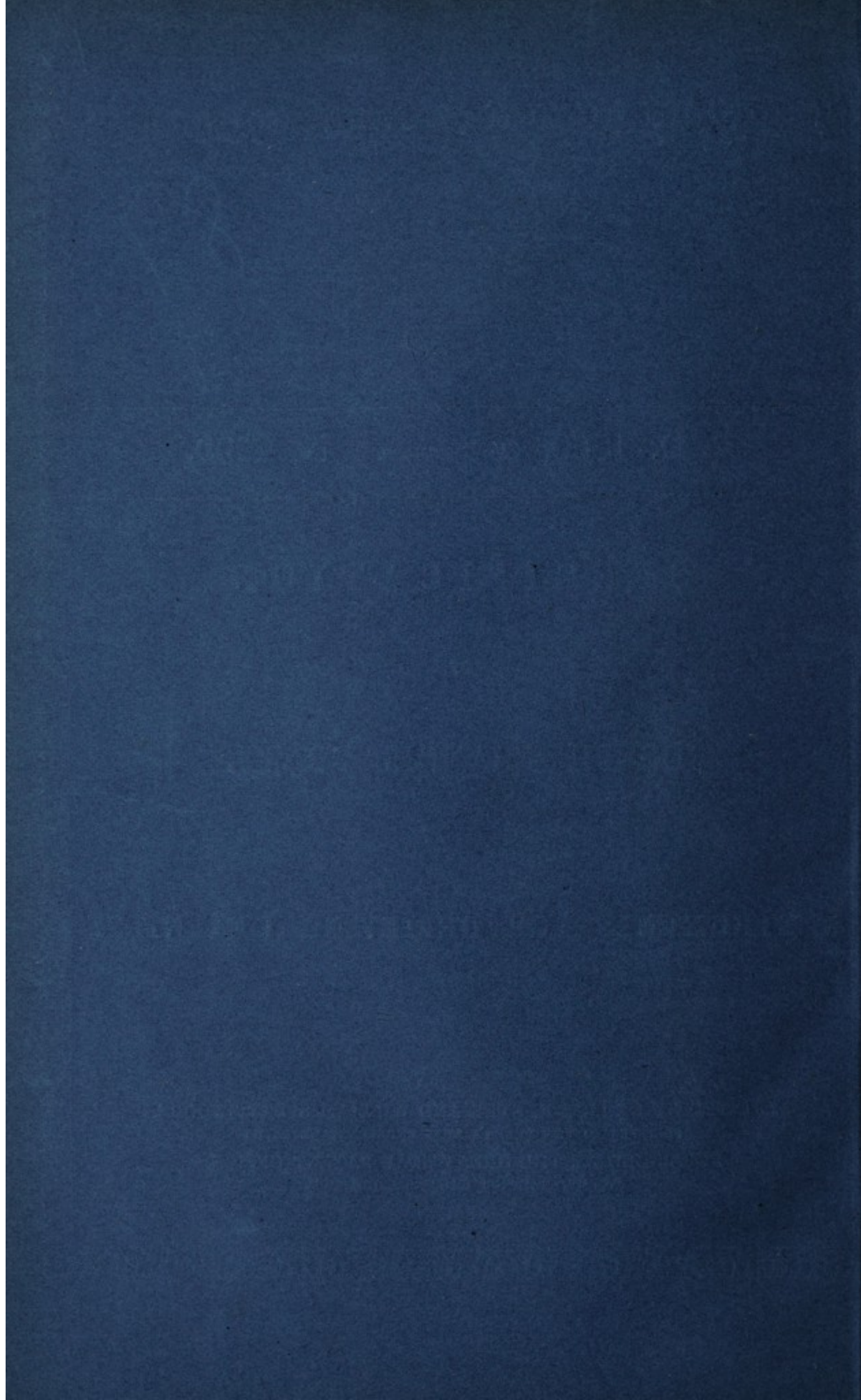
LONDON:

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

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,
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Prior 3d.

1861.





A.D. 1860, 6th DECEMBER. N° 2990.

Instruments for Relieving Deafness.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Joseph Francis Pratt at the Office of the Commissioners of Patents, with his Petition, on the 6th December 1860.

I, JOSEPH FRANCIS PRATT, of Oxford Street, in the County of Middlesex,
5 Surgical Instrument Maker, do hereby declare the nature of the said Invention for "IMPROVEMENTS IN INSTRUMENTS FOR RECEIVING AND TRANSMITTING SOUND, PARTICULARLY ADAPTED TO THE RELIEF OF DEAFNESS," to be as follows:—

My Invention consists in forming an instrument for improving the hearing of deaf persons in the following manner:—I employ for the purpose of
10 receiving the sound a hollow vessel of a bell or trumpet form, which vessel I prefer to make of a paraboloidal shape, although I do not limit myself thereto. From the interior of this vessel I lead two curved or bent tubes passing out of the same and receiving upon them two elastic tubes which are furnished at their extremities with end pieces formed either to enter the ears or to cover
15 them as may be required. The receiving vessel, the tubes, and the end pieces may be formed of any suitable materials. I am aware that a receiving vessel furnished with a single internal transmitting tube leading to one ear has before been used, but the arrangement before described, and which constitutes my Invention by transmitting the sound to both ears enables persons to whom the
20 single instrument would be comparatively useless to hear with advantage. It also enables me to make the instrument perfectly self-supporting, and to give to it various convenient forms in order to render it as little observable as possible.

Pratt's Improvements in Instruments for Relieving Deafness.

My Invention further consists in placing within hearing instruments resembling those previously described, a water cushion, metallic spring, or other vibrating substance for the purpose of modifying and softening the sound transmitted to the ears.

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1861.