

Specification of Christopher Samuel Jeaffreson : pads for fractured limbs.

Contributors

Jeaffreson, C. S.

Publication/Creation

London : Great Seal Patent Office, 1868 (London : George E. Eyre and William Spottiswoode)

Persistent URL

<https://wellcomecollection.org/works/zr5wnfv6>

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>



A.D. 1867, 23rd OCTOBER. N° 2979.

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

OF

CHRISTOPHER SAMUEL JEAFFRESON.

—
PADS FOR FRACTURED LIMBS.
—

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.

Price 4d.

1868.





A.D. 1867, 23rd OCTOBER. N° 2979.

Pads for Fractured Limbs.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Christopher Samuel Jeaffreson at the Office of the Commissioners of Patents, with his Petition, on the 23rd October 1867.

I, CHRISTOPHER SAMUEL JEAFFRESON, of the Royal Free Hospital, London, in the County of Middlesex, Surgeon, do hereby declare the nature of the said Invention for "**IMPROVED APPARATUS FOR TREATING FRACTURES OF THE LIMBS,**" to be as follows:—

In treating a fracture of the leg (for example) it is usual to lay the limb upon a long narrow pad or cushion formed of lint or filled with cotton, tow, or other similar fibrous substance and supported on a metallic frame, placing then upon each side a flat wooden splint, with the interposition of similar pads at the sides of the limb, and then bind the whole together by straps passing round the same. These pads, owing to their unequal pressure, often cause great pain to the patient, and even occasion sores upon the prominent parts of the limb, they also become very foul from discharges and fomentations, and are hence frequently not only objectionable but injurious to the patient.

My improvement consists principally in substituting for these pads bags or pads of india-rubber, waterproof cloth, or other suitable impermeable material. These bags are provided with tubes and nozzles, by means of which they are inflated with air or filled with water as may be thought most desirable; they will then fit exactly to the limb; and will give an equal pressure at all

Jeaffreson's Improved Pads for Fractured Limbs.

parts. If the limb should swell, and the bandage thus become too tight, a sufficient quantity of air or water can be withdrawn to afford relief without disturbing the bandages in the slightest degree, and on the other hand should the limb shrink an increased quantity of air or water may be forced in. The surgeon also can conveniently inspect the limb if desirable by simply with- 5 drawing a certain amount of air or water and displacing the pad slightly with the hand without undoing the straps, and can restore the pad to its original form and position by restoring an equivalent amount of air or water.

In place of the flat wooden splints usually employed I use splints hollowed longitudinally inside to fit the form of the limb. A.D. 1867. 10

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1868.

(This invention relates to the following description only.)

PROVISIONAL SPECIFICATION for by Christopher Samuel Jeaffreson at the Office of the Commissioners of Patents, with his Petition on the 23rd October 1867.

I, CHRISTOPHER SAMUEL JEAFFRESON, of the Royal Free Hospital, London, in the County of Middlesex, Surgeon, do hereby declare the nature of the said invention for "IMPROVED APPARATUS FOR TREATING FRACTURES OF THE LIMB," to be as follows:—

In treating a fracture of the leg (for example) it is usual to lay the limb upon a long narrow pad or cushion formed of lint or filled with cotton, tow, or other similar fibrous substance and supported on a metallic frame, placing 10 then upon each side a flat wooden splint, with the interposition of similar pads at the sides of the limb, and then bind the whole together by straps passing round the same. These pads, owing to their unequal pressure, often cause great pain to the patient, and even occasion tears upon the prominent parts of 15 the limb, they also become very foul from discharges and fermentation, and are hence frequently not only objectionable but injurious to the patient.

My improvement consists principally in substituting for these pads bags or pads of india-rubber, waterproof cloth, or other suitable impervious material. These bags are provided with tubes and nozzles, by means of which they are 20 inflated with air or filled with water as may be thought most desirable; they will then fit exactly to the limb; and will give an equal pressure to all



