

Improvements in surgical trusses / [John Henry Osborn].

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Publication/Creation

Redhill : Printed for Her Majesty's Stationery Office by Malcomson & Co., Ltd, 1899.

Persistent URL

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Date of Application, 9th June, 1898

Complete Specification Left, 7th Mar., 1899—Accepted, 9th June, 1899

PROVISIONAL SPECIFICATION.

Improvements in Surgical Trusses.

We, JOHN HENRY OSBORN, of 13, Milford Street, Carbrook, Blacksmith, and GEORGE COOK, of 37, Selborne Street, Attercliffe, Wheelsmith, both of Sheffield, in the County of York, do hereby declare the nature of this invention to be as follows:—

5 Trusses as ordinarily made are constructed of an elastic metallic band or spring, one end of which in the case of a single truss, or both ends of which in the case of a double truss is provided with a pad which is pressed against the body of the wearer by the action of the elastic metallic band or spring. When a single truss is required, leather or straps of other suitable material are employed for
10 adjusting the truss to a proper position, and sometimes in a double truss similar straps are employed for the same purpose. A truss made as here described may be worn without inconvenience by persons whose avocations in life do not necessitate much bodily exertion and which may be described as normal but
15 when worn by a person engaged in rough manual labour, such as, a blacksmith, a collier or a navy, such a truss will be found inconvenient and painful to wear, through its want of the means of adjustment to the abdominal movements of the body.

The object of our invention is to obviate this defect by constructing a truss which shall accommodate itself to such abnormal exertions of the wearer.

20 We carry out our invention in the following manner.

The elastic metallic band or spring of our improved truss is made separately from the portion which forms the pad. This pad piece we construct in the form of a circular or oval disc and we attach it to the band or spring by means of a stud or button which is passed through an elongated slot suitably formed in the
25 end of the said band.

When the pad plate has in this way been attached to the band, the band may be moved upwards and downwards on the stud or button which acts like a pivot and by means of the elongated slot the band may likewise be capable of a certain amount of longitudinal adjustment without in either case
30 causing any movement of the pad.

When a double truss is required the two parts like a right and left hand single truss may be united together in a similar manner by means of a back plate provided with similar studs or buttons to act as pivots upon which the band of the truss may work. Where a single truss only is employed the strap would be
35 connected to a similar hinged back plate to facilitate the adjustment of the truss and straps to the movement of the body as previously described,

The padplate and backplate and band of our improved truss would be covered, padded, and protected in a manner similar that employed in trusses as ordinarily made, care however been taken for sufficient play to be allowed for the free
40 movements of the adjustable parts herein described.

Dated this 8th day of June 1898.

JOHN HENRY OSBORN,
GEORGE COOK,
The Applicants.

COMPLETE SPECIFICATION.

Improvements in Surgical Trusses.

JOHN HENRY OSBORN, Blacksmith, 13, Milford Street, Carbrook, GEORGE COOK, 37, Selborn Street, Attercliffe, Sheffield, Wheelsmith, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

We, construct of steel a band No. 1 of any width required either long 5
 enough to go round the body or only part way as thought desirable and this will
 fit right or left side when required and at one end the said steel band we make
 an oblong aperture or slot No. 2. We then construct a disk or otherwise of iron
 or any suitable material No. 3 and in the centre of the said disk we secure a stud
 stood No. 4 which is intended for said slot in steel band to ride upon which said 10
 stood can also be detached at will, and so allow the pad of truss No. 3 to remain in
 position when required and further we attach to other end of steel band a plate or
 disk No. 5 which we cover or pad for the same purpose that is to say we intend
 this to bind on the body at back and so allow the said band of truss to move
 without any friction on the parts intended to be securely held to the aforesaid 15
 truss.

Having now particularly described and ascertained the nature of said
 invention and in what manner the same is to be performed, we declare what
 we claim is:—

1. A moveable steel band with an oblong slot which will work on the neck of 20
 the stud on the pad.
2. That one shape of band will fit on either right or left side of body.
3. That the pad of truss is detachable from steel band, and can be removed and
 replaced at will as desirable.

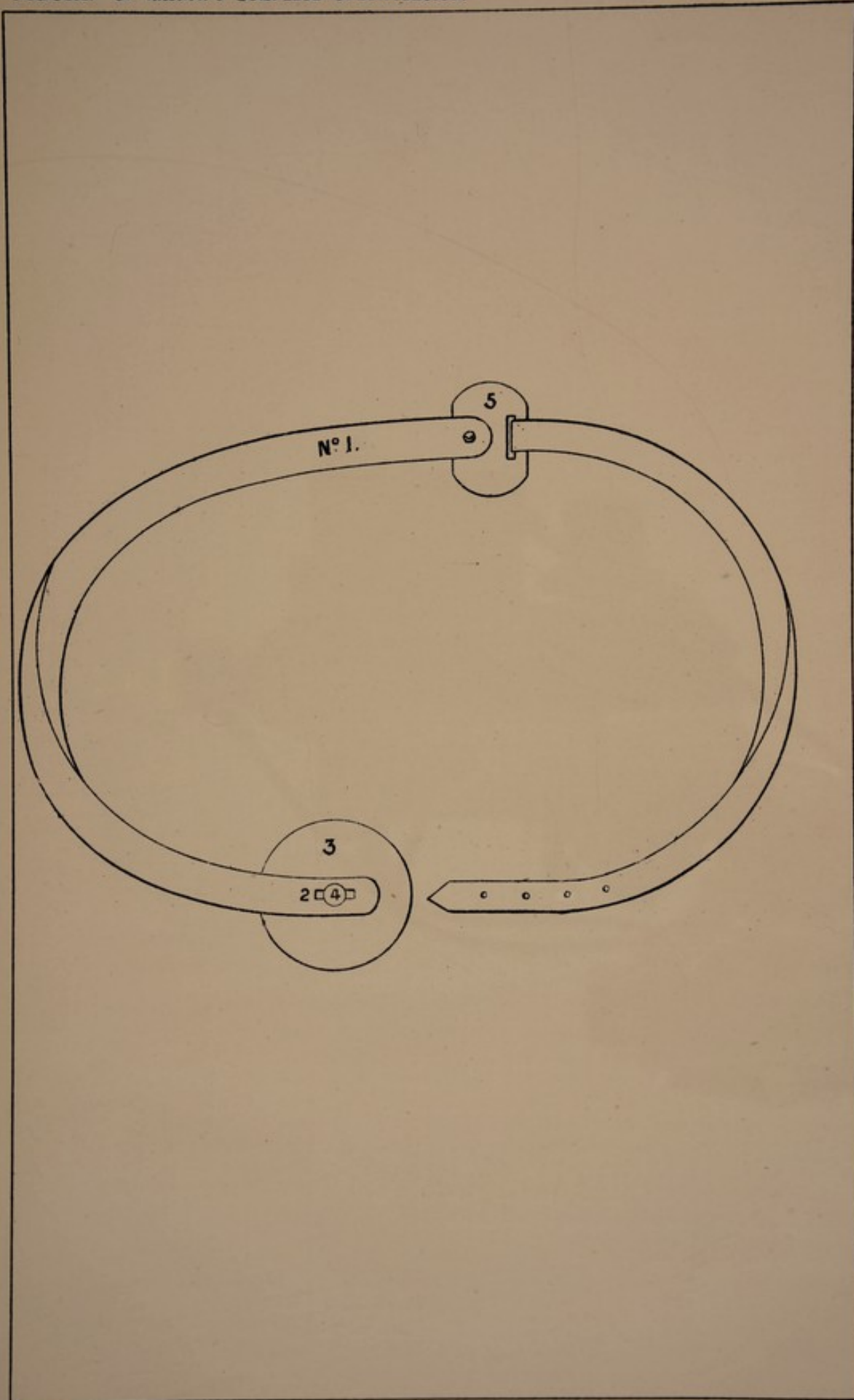
Dated the 6th of March.

25

JOHN HENRY OSBORN,
 GEORGE COOK,

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[This Drawing is a reproduction of the Original on a reduced scale.]

