

An improved knee protector / [Thomas William Wood].

Contributors

Wood, T. W.
Clarkson, G. J.

Publication/Creation

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

Persistent URL

<https://wellcomecollection.org/works/u8h8gvqk>

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>

N^o 5132



A.D. 1898

Date of Application, 2nd Mar., 1898

Complete Specification Left, 2nd Dec., 1898—Accepted, 28th Jan., 1899

PROVISIONAL SPECIFICATION.

An Improved Knee Protector.

I, THOMAS WILLIAM WOOD, of The Maynard Arms, Carlin How, in the County of York, Innkeeper, do hereby declare the nature of this invention to be as follows;—

5 This invention comprises a device to be used as a knee protector and is especially intended for the use of housemaids and others who have to kneel in the course of their duties upon hard or uneven surfaces to such an extent that the position becomes painful at the time and the knee is often liable to be permanently injured in the manner known as the housemaid's knee.

10 The object and result of this invention is to provide a means of protection which can be attached to the knee, and affords effectual protection as a cushion when knelt upon, and which will cause no inconvenience to the wearer as a permanent attachment when walking or engaged otherwise than kneeling. To attain this object the device is light, pliable and soft to the knee and is easily attachable or detachable as other articles of wearing apparel.

15 In effecting the object of my invention I provide a series of pneumatic balls or their equivalents arranged together in any convenient manner to form a pad and enclose these in a suitable casing of canvas or its equivalents. Straps and buckles are attached to strap this to the leg over the knee. When knelt upon the pneumatic balls compress together in the form of a soft cushion and
20 being separate that is each ball being self contained, a puncture in any one ball does not cause a collapse of the protector, which is therefore reliable and serviceable under all conditions of ordinary usage.

Dated this 1st day of March 1898.

25

G. J. CLARKSON,
Chartered Patent Agent,
Stockton-on-Tees and Hull, Agent for the Applicant.

COMPLETE SPECIFICATION.

An Improved Knee Protector.

30 I, THOMAS WILLIAM WOOD, of The Maynard Arms, Carlin How, in the County of York, Innkeeper, 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;—

This invention comprises a device to be used as a knee protector and is
[Price 8d.]

Wood's Improved Knee Protector.

especially intended for the use of housemaids and others who have to kneel in the course of their duties upon hard or uneven surfaces to such an extent that the position becomes painful at the time and the knee is often liable to be permanently injured in the manner known as housemaid's knee.

The object and result of this invention is to provide a means of protection 5 which can be attached to the knee, and affords effectual protection as a cushion when knelt upon, and which will cause no inconvenience to the wearer as a permanent attachment when walking or engaged otherwise than kneeling. To attain this object the device is light, pliable and soft to the knee and is easily attachable or detachable as other articles of wearing apparel. 10

And in order that my invention may be clearly understood and readily carried into effect, I will proceed to describe the same with reference to the accompanying drawing, in which Fig. 1 represents a longitudinal sectional view and Fig. 2 a corresponding plan view of a knee protector constructed in accordance with my invention; and Fig. 3 is a view of the protector drawn to a reduced 15 scale and attached to the leg over the knee.

In effecting the object of my invention, I provide a series of small pneumatic balls *a a a* of india-rubber or their equivalents arranged together in any convenient manner to form a knee protector and enclose these in a suitable lining or casing *b* composed of canvas or its equivalent. This lining or casing is 20 divided into compartments each having its edges or seams secured by stitching. Straps *c*, buckle *d* and elastic bands *e* furnished with hook and eye *f f'* are attached to the protector to strap it to the leg over the knee. When knelt upon the pneumatic balls *a a* compress together in the form of a soft continuous cushion and being separate, that is each ball being self-contained a puncture 25 in any one ball does not cause a collapse of the protector which is therefore reliable and serviceable under all conditions of ordinary usage.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:— 30

An improved knee protector consisting of a series of small pneumatic balls such as *a* enclosed in a canvas lining or casing such as *b* and furnished with means of attachment to the leg over the knee, substantially as and for the purpose as hereinbefore described with reference to the accompanying drawing.

Dated this 1st day of December 1898. 35

G. J. CLARKSON,
Chartered Patent Agent,
Stockton-on-Tees and Hull, Agent for the Applicant.



FIG. 1.

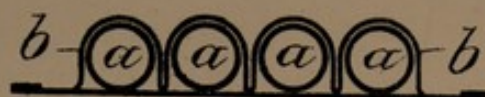


FIG. 2.

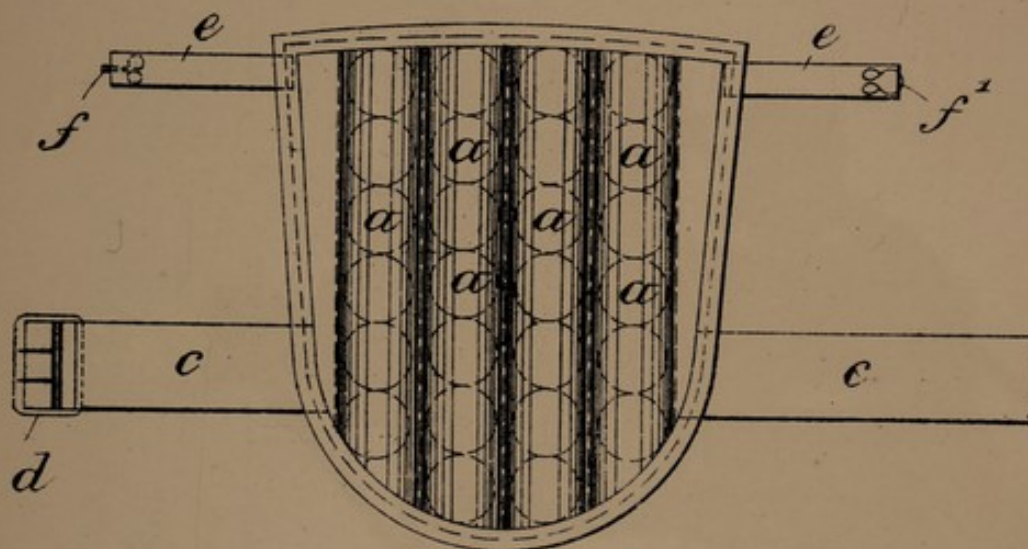
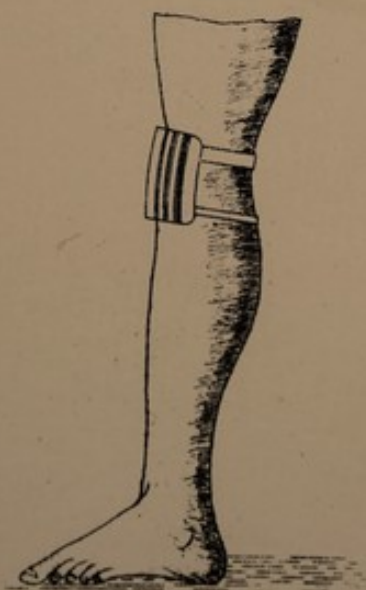


FIG. 3.



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

