

(No Model.)

C. CLUTHE.
TRUSS.

No. 467,552.

Patented Jan. 26, 1892.

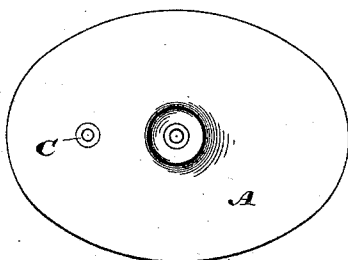


Fig. 1.

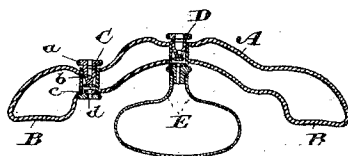


Fig. 2.

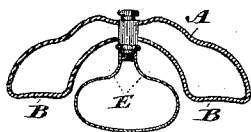


Fig. 3.

Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES CLUTHE, OF TORONTO, CANADA.

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SPECIFICATION forming part of Letters Patent No. 467,552, dated January 26, 1892.

Application filed May 11, 1891. Serial No. 392,379. (No model.)

To all whom it may concern:

Be it known that I, CHARLES CLUTHE, manufacturer, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Hernia-Pads, of which the following is a specification.

My invention relates to improvements in hernia-pads, application for a patent for which was filed in the United States Patent Office on the 22d day of January, A. D. 1891, under Serial No. 378,656, and which was allowed on the 19th day of March, A. D. 1891; and the object of the present invention is to design another form by which the utility of the device may be further increased; and it consists, essentially, of securing in the cup a supplemental air-valve, around the inner end of which I attach a flexible air chamber, bag, or cushion, which is designed to be inflated, so as to press against the aperture when the cup is secured to the skin by withdrawing the air from the interior of the cup, as hereinafter more particularly explained.

Figure 1 is a top plan of the cup. Fig. 2 is a longitudinal section through the cup. Fig. 3 is a cross-section.

In the drawings like letters indicate corresponding parts in each figure.

A is the shallow cup.

B is a lip around the inner edge of the cup, as shown.

C is an air-valve, which is composed of the hollow screwed plug *a*, with hole *b*, washer *c*, with hole *d*, so that when the screwed plug *a* is raised a free passage-way is provided into

the interior of the cup. In this form I preferably locate the valve toward one end of the cup, in order to allow of placing the supplemental air-valve D in the center of the cup.

The supplemental valve D is exactly of the same construction as the valve C, and has screwed onto or otherwise attached to its inner end the open neck of the flexible air chamber or cushion E.

In order to apply my device to the body, I leave the flexible air-cushion E devoid of air or uninflated. I then press the cup against the body, so that the lip of the cup A is against the skin at all points, and now withdraw the air, so as to cause it to adhere to the body. I next fill the air-cushion E through the valve D, which I close as soon as there is sufficient air in the cushion. It will be seen that the flexible neck of the air-cushion forms in reality a universal joint, by which the cushion is made to adapt itself to the exact location of the aperture. The body also being flexible fits itself into any unevenness in the side of the aperture, so as to accurately and completely close it up, thereby preventing the possibility of any escape of the hernia.

What I claim as my invention is—

The combination, with the shallow cup A, having a lip B, and air-valve C, of the flexible air-cushion E, having the valve D arranged in connection with it, as and for the purpose specified.

CHAS. CLUTHE.

Witnesses:

LEWIS P. ABELL,
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