M. A. L. BARRELLE & A. R. LOGAN.

BED PAN CUSHION.

APPLICATION FILED JULY 5, 1910.

995,692. Patented June 20, 1911.

2 SHEETS—SHEET 1.

Fig. 1

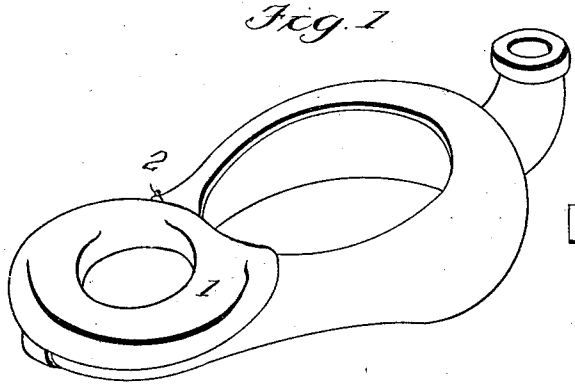



Fig. 2.

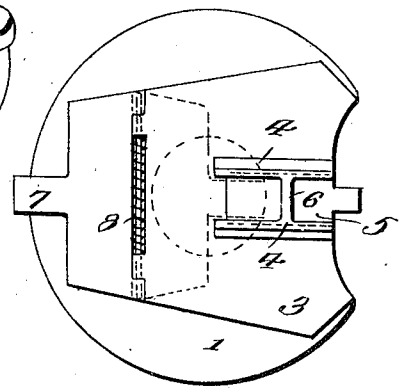



Fig. 3

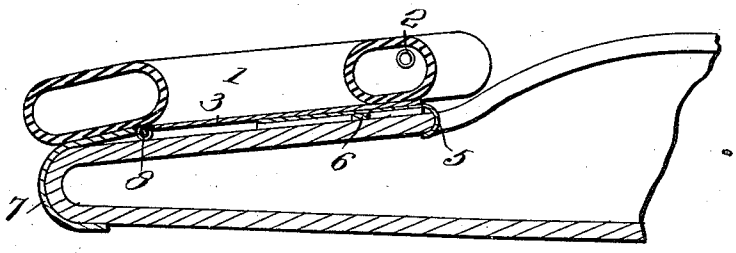



Fig. 4.

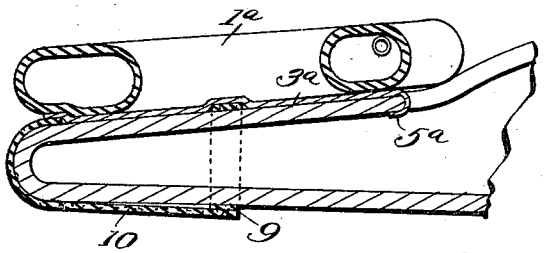
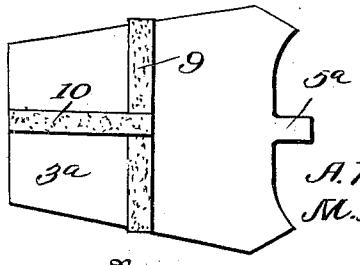



Fig. 5.

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2 SHEETS—SHEET 2.

Fig. 6.

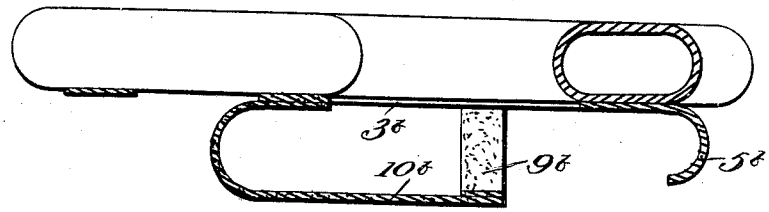



Fig. 7.

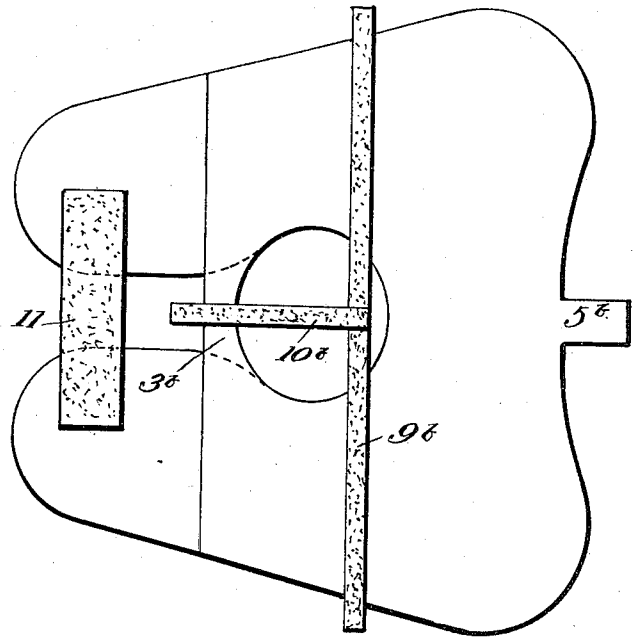
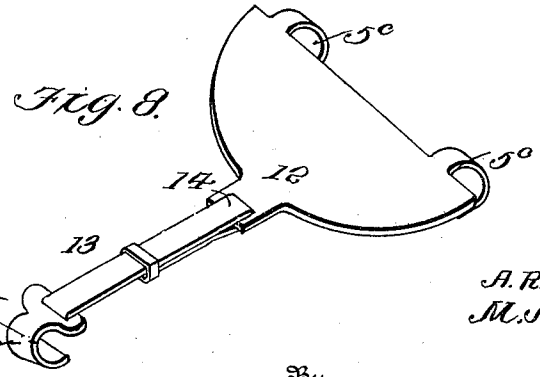



Fig. 8.

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# UNITED STATES PATENT OFFICE.

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## BED-PAN CUSHION.

995,692. Specification of Letters Patent. Patented June 20, 1911.

Application filed July 5, 1910. Serial No. 570,350.

*To all whom it may concern:*

Be it known that we, MARIE A. L. BARRELLE and AMANDA R. LOGAN, citizens of the United States, residing at North Reading and Chelmsford, respectively, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Bed-Pan Cushions, of which the following is a specification.

This invention comprehends certain new and useful improvements in surgical appliances and relates particularly to a bed pan attachment for use either in the hospital or in the home, the device being in the nature of a cushion which is adapted to rest upon and be detachably secured to the lower end of a bed pan so as to relieve the pressure on the patient's back while using the pan.

The invention has for its primary object, a simple and efficient construction of device of this character which may be made to fit bed pans of different types, sizes, and shapes, and be held properly in shape to snugly fit upon the pan at the lower end thereof so as to assist in rendering the patient's position a comfortable one.

With this and other objects in view as will more fully appear as the description proceeds, the invention consists in certain constructions and arrangements of the parts that we shall hereinafter fully describe and claim.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of one form of our improved bed pan attachment. Fig. 2 is a bottom plan view of the device. Fig. 3 is a transverse sectional view thereof. Fig. 4 is a similar view of a modified form of the device. Fig. 5 is a bottom plan view of the attaching plate of said modified form. Figs. 6 and 7 are, respectively, transverse sectional and bottom plan views of another modified form. Fig. 8 is a perspective view of the attaching means for still another form.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

In that form of our invention illustrated in Fig. 1, the cushion is in the form of an inflatable ring 1, of rubber or the like, provided at any convenient point with an inflation valve 2. Secured in any desired way, as by some adhesive substance, to the lower outer face of the body portion or ring 1 of the cushion, is a plate 3 which may be formed of any desired metal or other substance or material, said plate being preferably shaped to fit the pan. The plate 3 is provided on its lower face with two longitudinally extending flanges 4 which are arranged parallel to each other in spaced relation, as shown, and a hook 5 is mounted to slide within the flanges 4 across a transverse web 6 extending from one flange to the other, the hook being thereby securely retained in place at the desired adjustment and the bill of the hook being designed for engagement with the wall which defines the opening into the bed pan so as to detachably connect the front edge of the attachment with the pan. A yielding hook 7 is secured to the rear edge of the plate 3, said hook in the present instance embodying a plate which has a spring connection 8 with the rear edge of the plate 3. The hook 7 is designed to extend down around the rear edge of the bed pan when the attachment is applied, thereby, in connection with the hook 5, to securely hold the inflatable cushion in place and underneath the patient's back, so as to relieve the pressure.

In that form of the invention which is illustrated in Fig. 4, the ring $1^a$ has secured to its lower face a plate $3^a$ provided at its front edge with a hook $5^a$ for the same purpose as the hook 5 already described. Coacting with the hook $5^a$ are elastic straps of rubber or the like. Said straps embody a transversely extending portion 9 secured at its ends to the edges of the plate $3^a$ and a longitudinally extending web or strap 10 which is secured at one end to the transverse straps and at its other end to the plate at the rear edge of the latter. In this form of the device, the straps are slipped over the upper or rear end of the bed pan, snugly encircling said end and the hook $3^a$ is snapped down around the wall which defines the opening into the pan, so as to securely hold the attachment in place.

In that form of the invention illustrated in Figs. 6 and 7, a corresponding hook $5^b$ and straps $9^b$ and $10^b$ are employed to hold the device in place. This form of the device differs from those already described in that the latter is of a different shape, as shown, the rear ends of the ring being separate and being held together by the plate $3^b$ and also by a transversely extending elastic strap 11.

Fig. 8, illustrates another modification in which the plate $3^c$ is formed at its front edge with two transversely spaced attaching hooks $5^c$, the plate being provided at its rear edge with a tab extension 12 to which an extensible attaching strap is connected, said strap designated 13, being looped through the slot 14 formed in the tab extension 12 and being connected at one end with the hook 15 for engagement with the pan.

It is to be understood that any of the forms of the device may be used with hot water, instead of being inflated by air and that the various parts may be differently shaped, accordingly to the particular bed pan for which they are designed.

Having thus described the invention, what is claimed as new is:

1. A device of the class described, comprising a cushion, a plate connected to the outer face of the lower side of the cushion, the plate being provided at one end with a hook and at its opposite end with a longitudinally adjustable hook, for the purpose specified.

2. A device of the character described, comprising a cushion, a plate connected to the cushion, said plate being provided on its lower face with longitudinally extending laterally spaced flanges, a hook mounted to slide in said flanges, a spring pressed plate connected to the rear edge of the first named plate, and a hook carried by said spring pressed plate.

In testimony whereof, we affix our signatures in presence of two witnesses.

MARIE A. L. BARRELLE. [L. S.]
AMANDA R. LOGAN. [L. S.]

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."