

No. 682,871.

Patented Sept. 17, 1901.

D. HOGAN & C. W. MEINECKE.

CUSHION.

(Application filed Dec. 26, 1900.)

(No Model.)

Fig. 1.

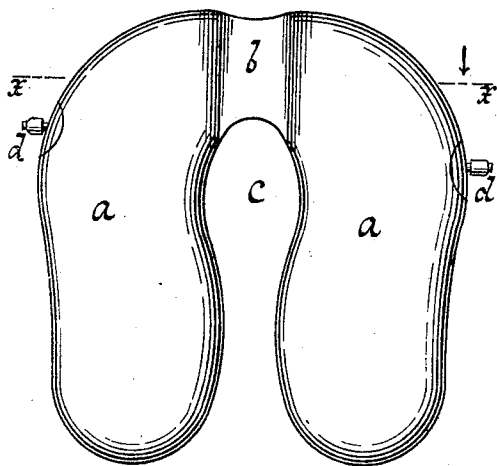


Fig. 3.

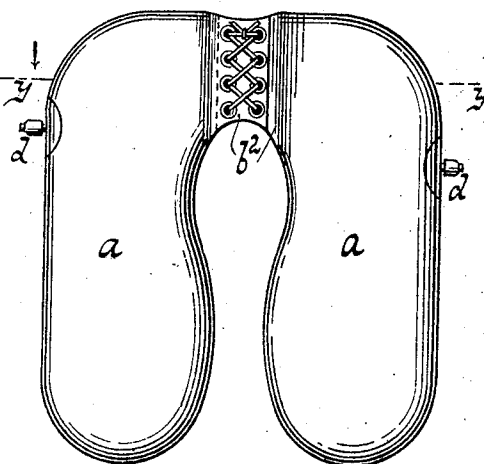


Fig. 2.

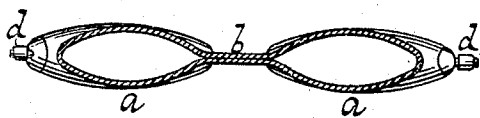


Fig. 4.

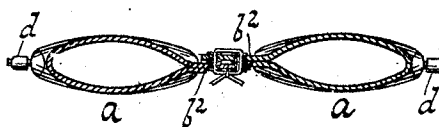


Fig. 5.

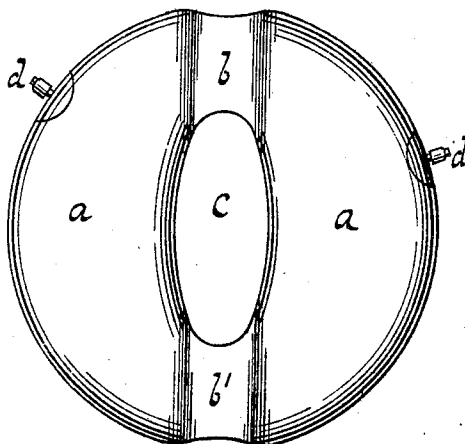


Fig. 6.



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CUSHION.

SPECIFICATION forming part of Letters Patent No. 682,871, dated September 17, 1901.

Application filed December 26, 1900. Serial No. 41,122. (No model.)

To all whom it may concern:

Be it known that we, DANIEL HOGAN, residing at Manhattan borough, in the county and State of New York, and CHRISTIAN WILLIAM MEINECKE, residing at Jersey City, in the county of Hudson and State of New Jersey, citizens of the United States, have invented new and useful Improvements in Cushions, of which the following is a specification.

This invention relates to the class of goods generally known as "air-cushions," and by means of this invention the cushion is rendered capable of being applied to various uses, as set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 shows a plan view of the cushion. Fig. 2 is a section along xx , Fig. 1. Fig. 3 is a plan view of a modification. Fig. 4 is a section along yy , Fig. 3. Figs. 5 and 6 show a plan and sectional view of another modification.

In the drawings is shown a cushion comprising sections aa , which while being connected at b are made independent of one another, so as to be separably inflatable and deflatable. For example, by cementing the walls of the cushion together at b or partitioning one section from the other, so that air cannot pass, one section could be deflated while the other is more or less inflated, or the sections could be equally or unequally inflated or charged, as required by an individual user. When the air-tight partition or separation b is formed by cementing together such parts of the cushion-walls, these cohering parts will form a thinned or gutter-shaped portion or depression, and when the cushion is inflated this gutter at b will form a ventilator at the top and bottom of the cushion. This gutter is formed of sufficient width to avoid hurting or contact with the spinal part of the person or user. The ventilator or gutter is extended between the sections a from front to rear. Between said sections is a hole or opening c , shown preferably of oval or oblong form, its longitudinal direction running from front to rear of the cushion or in line with gutter b . The cushion is ventilated both at front and rear. In Fig. 1 the cushion is shown formed with

shanks which can separate or be pulled apart at the front or free ends to provide front ventilation.

In the modification shown in Fig. 5, where the cushion is continuous all around or formed without shanks, the front ventilation can be provided by means of a gutter or contraction b' , forming a partition the same as at b . The cushion-sections can be made integral or non-separable or detachably connected, Fig. 3, as by flaps b^2 , having any suitable connections—such, for example, as lacing, clamp or glove fastening, or other uniting means. Each section having its nipple d can be inflated or deflated as required. Under certain circumstances it may be desired to have only one section inflated, in which case the deflated section being doubled onto the inflated section or swung over while the part b acts as a hinge, the cushion is brought into shape to be conveniently applied to a certain part—as, for example, a slumber-roll—or slipped under the armpit or used as a pillow, leg-support, or the like. Both sections being deflated and doubled, the cushion can be compactly stored or put aside. Say the sections are separable. Then each section when inflated and detached from the other can be put to use in manner similar to a doubled cushion with one section deflated. Should a patient be sitting on the opened sections, both being inflated, and because of soreness at a certain part or for other reason desire one section to be more or less deflated, the respective nipple or valve d of such section can be opened for the required easing or deflation without the patient removing or rising off the seat or cushion. The ventilation at front and rear prevents the irritating or heating effects objected to by some in regard to rubber cushions. In case the sections are separable and one section only is punctured or becomes unserviceable, only such defective section need be replaced, thus saving expense. The shape or outline of the cushions can be varied as may be desired without departing from the invention. The cushion shown in Fig. 5 could be easily hung, for example, over a chair-back, when one section of the cushion, hanging at the front face

of the chair-back, forms a slumber-roll, back-rest, or support for a reclining person. The nipples *d* are practically placed out of line or not exactly opposite one another, so that when the cushion is doubled the nipples do not strike or come to rest one on the other.

What we claim as new, and desire to secure by Letters Patent, is—

1. A cushion comprising connected sections made independent of one another and separably inflatable and deflatable and having a hole or opening between the sections, said sections having an air-tight partition or separation at said connection substantially as described.

2. A cushion comprising connected sections made independent of one another and separably inflatable and deflatable and having a hole or opening between the sections, the connection between the sections being thinned or gutter-shaped to form a ventilator substantially as described.

3. A cushion comprising connected separably inflatable and deflatable sections and a ventilator or gutter extended between the sections from front to rear substantially as described.

4. A cushion comprising connected separably inflatable and deflatable sections and a longitudinal hole and ventilating-gutter extended between the sections from front to rear substantially as described.

5. A cushion comprising connected separably inflatable and deflatable sections and a hole extended longitudinally between the sections, said cushion having ventilating means at front and rear substantially as described.

In testimony whereof we have hereunto set our hands in the presence of two subscribing witnesses.

DANIEL HOGAN.
CHRISTIAN WM. MEINECKE.

Witnesses:

W. C. HAUFF,
E. F. KASTENHUBER.