J. A. CLEMENS.

INVALID CUSHION.

APPLICATION FILED DEC. 28, 1914.

1,156,523. Patented Oct. 12, 1915.

Fig. 1.

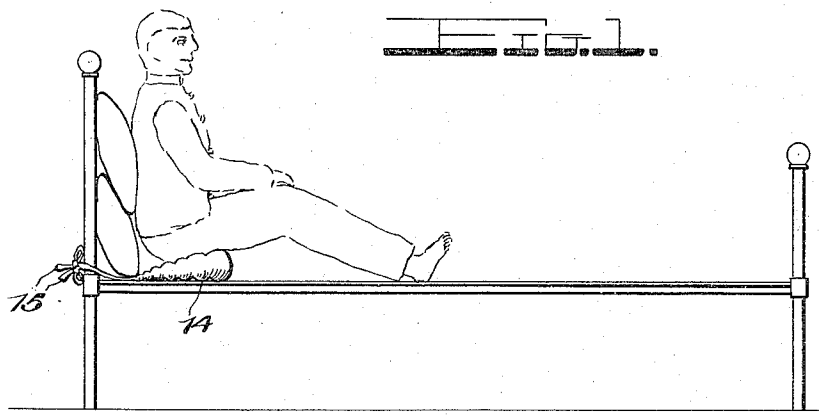


Fig. 2.

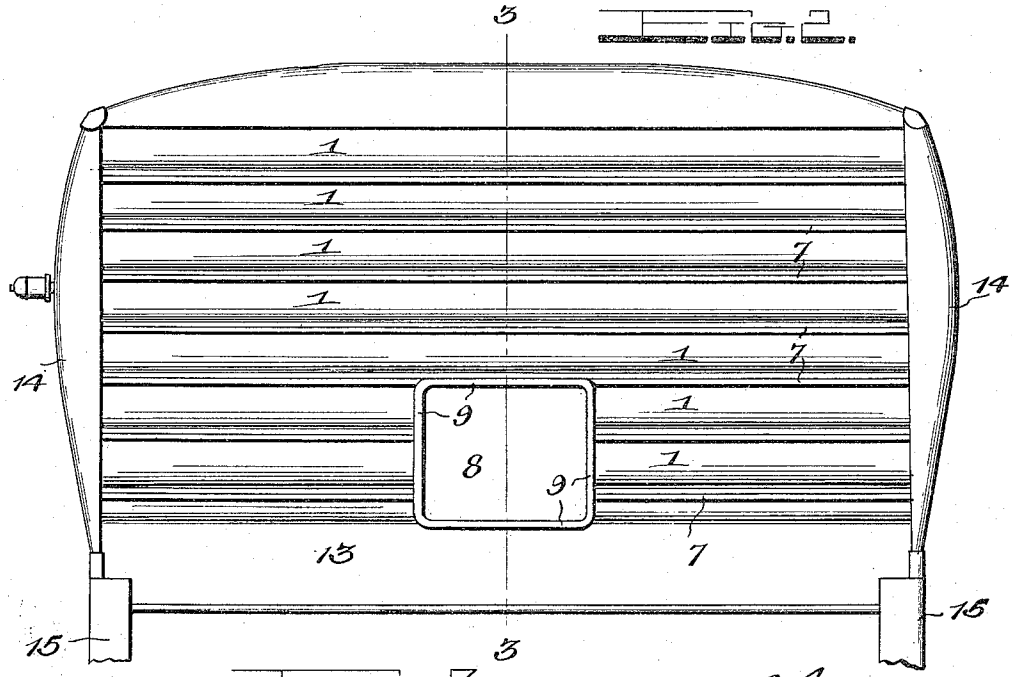
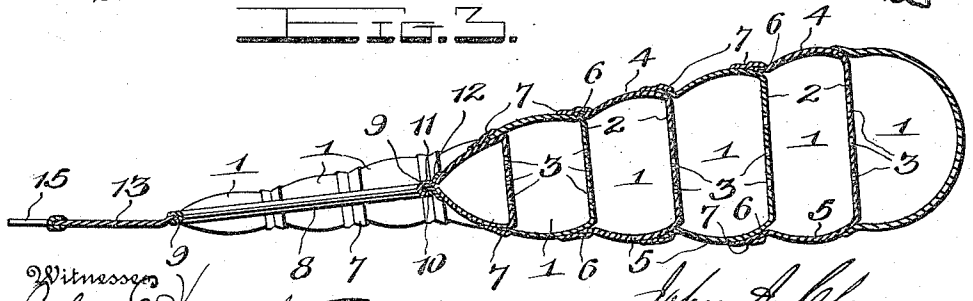


Fig. 3.



Witnesses:

Ada C. Tapperly

Annie F. Miller

By John A. Clemens

Joseph A. Miller

Attorney

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN A. CLEMENS, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO DAVOL RUBBER COMPANY, OF PROVIDENCE, RHODE ISLAND.

INVALID-CUSHION.

1,156,523. Specification of Letters Patent. Patented Oct. 12, 1915.

Application filed December 28, 1914. Serial No. 879,302.

To all whom it may concern:

Be it known that I, JOHN A. CLEMENS, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Invalid-Cushions, of which the following is a specification.

This invention relates to certain new and useful improvements in invalid cushions and relates more particularly to a pneumatic cushion for the use of convalescents.

The primary object of the invention is to provide a cushion which has improved means for preventing slipping on the mattress or bed.

Further, the invention resides in the provision of a cushion of the type set forth which is of simple and economical construction, and which is formed so as to resist wear and to afford a comfortable seat for the invalid.

In the drawings Figure 1 is a side elevation of a bed showing the invention in use thereon. Fig. 2 is a top plan view of the invention, the securing straps being broken away, and Fig. 3 is a section on the line 3—3 of Fig. 2.

In proceeding in accordance with the present invention the cushion is formed of a number of sections 1, which sections are provided with walls 2 perforated at 3 and having top and bottom extensions 4 and 5 respectively, the free portions of which are secured at 6 to the tops and bottoms of the adjacent sections. For the purpose of effectively sealing the joints formed at 6, longitudinal stays 7 are provided, which stays are superimposed upon the joints 6 and extend on opposite sides of the latter so as to completely cover the joints 6. The stays also serve to reinforce the cushion, and strengthen same.

At the rear of the cushion an opening 8 is provided, which is bounded or defined by pieces 9 of U-shape in cross-section, which pieces receive doubled-over parts 11 of stays 12, which latter seal the tops and bottoms of the sections 1 adjacent to the opening, as depicted in Fig. 3. The rear of the cushion terminates in a flap 13, the latter being connected to end closures 14 which are cemented to the ends of the sections 1. For the purpose of holding the cushion on a bed or mattress without slipping thereof, a pair of retaining straps of rubber 15 are provided, which straps are adapted to be tied to the head of the bed as shown in Fig. 1 of the drawings. Each succeeding section 1, from the flap 13, is of greater height than the next preceding section whereby the top and bottom of the cushion diverge from the flap. The walls 2 of the sections 1 serve to limit the extent of inflation of the cushion as a whole, and act as braces in addition. The purpose of the opening or cut-out portion is to cause the cushion to rise more or less on the sides of the person, or at the ends of the cushion, so that the cushion will more firmly engage the bed or mattress and thus be held against slipping.

Having thus described my invention, I claim as new and desire to secure by Letters Patent;—

An invalid cushion comprising a non-inflatable flap adapted to rest on a bed, anchoring means on one side thereof, and an inflatable cushion body consisting of a series of sections of U-cross section, the forward section of the series having its free side edges secured to the flap opposite from the anchoring means and each succeeding section being of greater height than the preceding section and having its free side edges secured to the next preceding section at a point adjacent the wall connecting the sides of the latter section, the connecting wall of each section except the last being perforated and constituting a partition between two adjacent sections, and end closures connecting the ends of the series of sections and the flap, said cushion being provided with an opening bounded by the flap and the adjacent sections.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN A. CLEMENS.

Witnesses:
ADA E. HAGERTY,
J. A. MILLER.

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