O. T. BUGG.

MATTRESS.

APPLICATION FILED APR. 28, 1917.

1,270,780. Patented July 2, 1918.

Fig. 1.

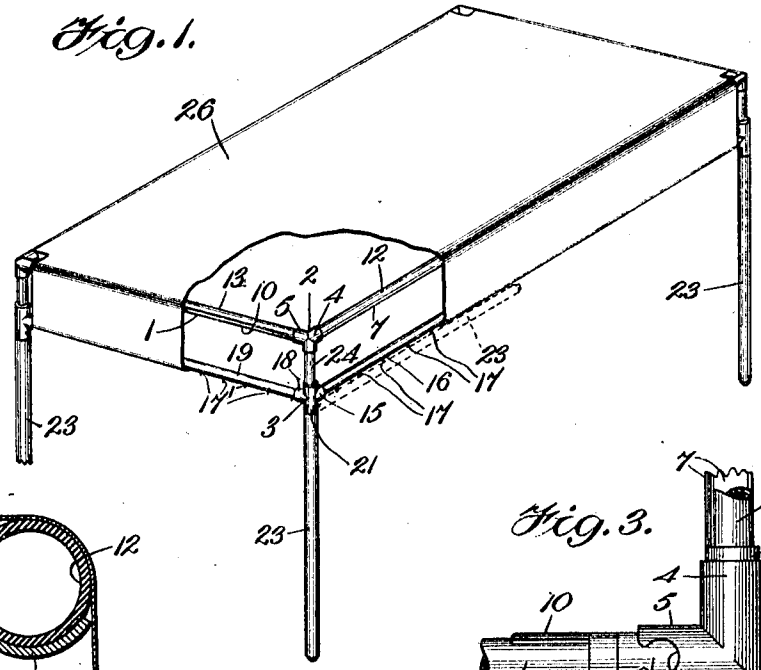


Fig. 2.

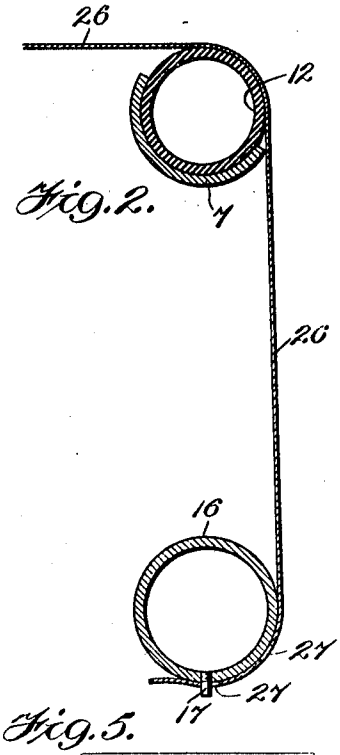


Fig. 3.

Fig. 4.

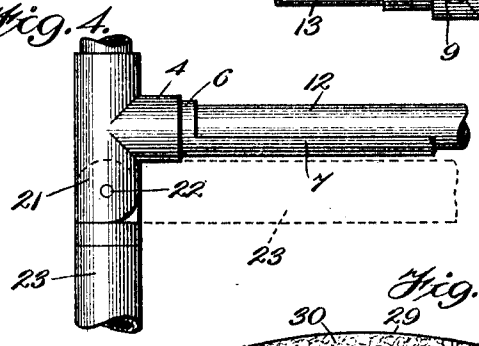


Fig. 5.

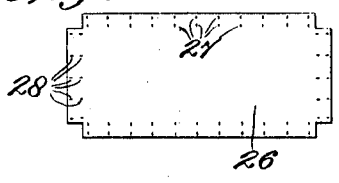


Fig. 7.

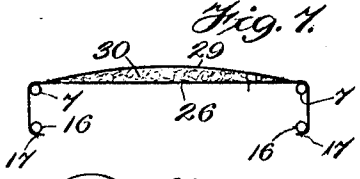
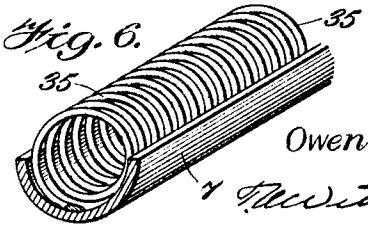


Fig. 6.



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UNITED STATES PATENT OFFICE.

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MATTRESS.

1,270,780. Specification of Letters Patent. Patented July 2, 1918.

Application filed April 28, 1917. Serial No. 165,066.

To all whom it may concern:

Be it known that I, OWEN T. BUGG, a citizen of the United States, residing at Rutherford, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Mattresses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to cots, beds or other similar devices provided with a sanitary mattress, and has for its object to produce a device of this nature which will be simple in construction, efficient in use and comparatively inexpensive to manufacture.

With these and other objects in view the invention consists in the novel details of construction and combinations of parts more fully hereinafter disclosed and particularly pointed out in the claims.

Referring to the accompanying drawings forming a part of this specification, in which like numerals designate like parts in all the views:—

Figure 1 is a perspective view partly broken away of a framework and covering or mattress made in accordance with this invention;

Fig. 2 is a diagrammatic sectional view showing the covering or mattress extending over the cushioning members and secured to the lower side of one of the frame members;

Fig. 3 is a detail plan view of a portion of the framework;

Fig. 4 is a detail elevational view of the parts shown in Fig. 3;

Fig. 5 is a diagrammatic plan view of the covering or mattress detached from the framework;

Fig. 6 is a perspective view of a modified form of cushioning means; and

Fig. 7 is a diagrammatic sectional view illustrating a modified form of mattress in position over the framework.

1 indicates any suitable framework, preferably composed of pipe sections joined at its four corners as by the upper members 2 and the lower members 3. The members 2 are provided with the laterally extending portions 4 and 5, and into the portions 4 fit the ends 6 of the cutaway side cushion supporting members 7, as best illustrated in Fig. 4.

Each portion 5 is preferably provided with a suitable socket or joint 8 into which fits the end 9 of the cutaway end cushion supporting members 10, as best illustrated in Fig. 3. Into each of the side cushion supporting members 7 fit the side cushions 12 which are preferably of rubber, cloth or other tubing containing air under pressure, and into the end cushion supporting members 10 fit similar cushion members 13 which are also preferably of rubber tubing containing air under pressure.

There are two sides members 7, and two end members 10, as will be clear from the drawings, with the corresponding number of cushion members 12 and 13.

The lower corner or joint members 3 are provided with the side supporting portions 15 into which fit the lower side members 16 and which are conveniently made of pipe sections, having on their lower sides the holding pins 17 as will be clear from Fig. 2.

Into the members 18 of the lower joints 3 likewise fit the end members 19 which are also made of pipe sections and provided with holding pins 17′, in all respects similar to the holding pins 17. Each of the lower joint members 3 is further provided with a vertically depending extension 21 to which is pivoted, as at 22, the leg members 23. The said joint members 2 and 3 are conveniently connected as by the vertical rod members 24, so that the side members 7 and 16, and the end members 10 and 19 form a rectangular framework as illustrated.

The legs 23 are adapted to be folded up along side of the side members 16, as illustrated in dotted lines in Figs. 1 and 4, and the end members 13 and 19 are adapted to be readily detached from their corresponding corner members 2 and 3 in the manner indicated in Fig. 3 so that the said legs 23 may be folded up out of the way, the said end members removed and all of the parts snugly stowed together into a small space.

Passing over the framework above disclosed is the mattress proper or covering 26 preferably made of the shape illustrated in Fig. 5. This said mattress is provided with a plurality of rows of button-holes 27 along its sides and a plurality of rows of button-holes 28 along its ends as shown, so that it may be passed over the cushions 12 and 13

and buttoned on the under surface of the lower side members 16 and of the lower end members 19, all as will be clear from Figs. 1 and 2 of the drawings.

The function of a plurality of rows of button-holes is to take up the slack as the mattress or covering stretches. There being no metal fastenings or other metal attached to the covering 26, it is conveniently washed like any other fabric, and therefore, the same can be kept at all times in a clean and sanitary condition.

It is sometimes desirable to provide a cushion or a padding for the material or covering 26, and in such cases an additional sheet 29, see Fig. 7, is sewed or otherwise secured to the sheet 26, and the space between the fabrics or sheets 26 and 29 is filled with any cushioning material 30, such as felt, hair, etc. The pad thus formed serves to compensate for any sagging which may be experienced and further adds to the comfort of the user.

In the modified form of cushion illustrated in Fig. 6, a coiled spring 35 is supported in the holding members such as 7 or 10, and the fabric 26 is passed thereover, in a manner similar to that disclosed in Fig. 2.

Any suitable means such as a strap or other fastening, not shown, may be employed to hold the cushioning members such as 12, 13 and 35 to their corresponding supporting members.

What I claim is:—

1. In a device of the character described the combination of upper cutaway end and side members; oblong cushioning means located in the cutaway portions of said members; lower end and side members; means rigidly securing said upper and lower members together; a plurality of projections carried by said lower end and said side members; and a flexible cover provided with holes adapted to slip over said projections and adapted to pass over and rest on said cushioning members, substantially as described.

2. In a device of the character described the combination of a pair of cutaway upper side members; a pair of cutaway upper end members detachably attached to said side members; a pair of lower side members provided with projections; a pair of lower end members provided with projections; cushioning means carried by each cutaway upper member; and hinged supporting means attached to said lower members, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

OWEN T. BUGG.

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