

(No Model.)

G. D. PETERS.

MATTRESS.

No. 332,432.

Patented Dec. 15, 1885.

Fig. 1.

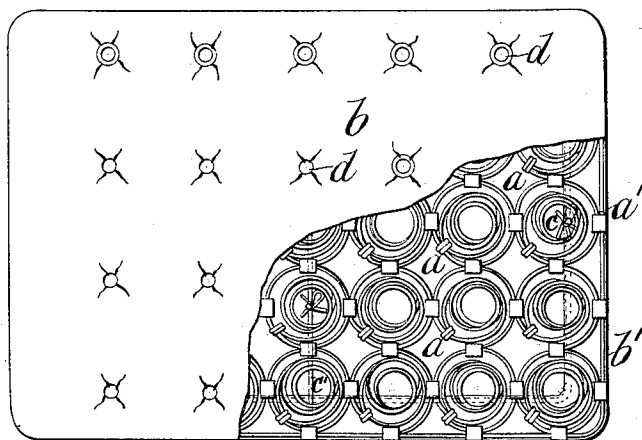


Fig. 2.

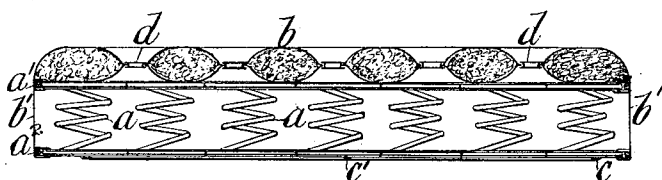


Fig. 3.

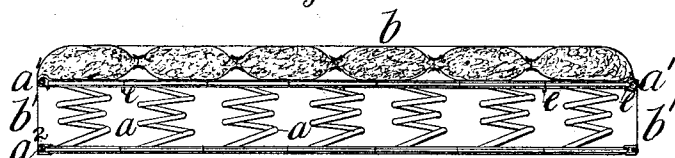
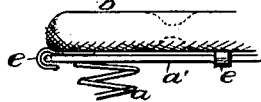


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

GORDON DONALDSON PETERS, OF LONDON, ENGLAND.

MATTRESS.

SPECIFICATION forming part of Letters Patent No. 332,432, dated December 15, 1885.

Application filed August 18, 1885. Serial No. 174,736. (No model.) Patented in England February 4, 1885, No. 1,548.

To all whom it may concern:

Be it known that I, GORDON DONALDSON PETERS, manufacturer, a subject of the Queen of Great Britain, and a resident of London, England, have invented new and useful Improvements in Mattresses, (for which I have obtained a patent in Great Britain, No. 1,548, bearing date February 4, 1885,) of which the following is a specification, reference being had to the accompanying drawings.

The chief object of my invention is to provide an improved mattress which will serve as an efficient substitute for the spring-mattress and stuffed mattress ordinarily used, and which will occupy less space and can be more conveniently handled than these two mattresses.

In some cases I make my improved mattress in such a manner as to provide for the effectual ventilation of the bed in which it is employed.

My mattress may be advantageously used in ships' sleeping-berths or other places where it is desirable that the thickness of the bed should be as small as possible.

In the accompanying drawings I have shown how my said invention may be conveniently and advantageously carried into practice.

Figure 1 is a plan of one form of my improved mattress, a portion of the cushion hereinafter described being removed. Fig. 2 is a vertical longitudinal section of the said mattress. Fig. 3 is a vertical longitudinal section showing a slight modification thereof. Fig. 4 is a view of a portion of the cushion and frame, showing the hooks by which the cushion is fastened to the frame.

a indicate springs, which are arranged in a group or series, and connected in any suitable manner to each other and to the frames a' a'' . b is a thin stuffed cushion, which is covered in a similar manner to an ordinary stuffed mattress, and which is provided with a flap, b' , preferably of the same material as the covering. This flap extends downward all around the said cushion, and incloses the frames a' a'' and the group or series of springs a , arranged between the same. When my improved mat-

tress is in place on a bed, it has, therefore, externally the appearance of an ordinary mattress.

In Figs. 1 and 2 the flap b' is made of such length that it will extend a short distance below the frame a'' , and can be drawn in by a cord or the like, as shown at c , another cord, c' , being employed, if necessary, across the center of the mattress to tighten the covering at this part. The cushion b is, moreover, provided with holes or eyelets d in place of the ordinary tufts and cords for securing the two sides of the cushion together and preventing the shifting of the stuffing or padding. These holes or eyelets provide very efficiently for the ventilation of the bed in which the mattress is used.

In the mattress shown in Fig. 4 hooks e are attached to the under side of the cushion b at or near its edges. By means of these hooks the said cushion is fastened upon the frame a' . The cushion b of this mattress is shown with the ordinary tufts and cords. These hooks e consist of metal strips or plates, one of which is bent over, as shown, and the other end attached to the cushion b in any suitable manner. These hooks are attached to the cushion at intervals along the edges thereof, so that when the cushion is placed upon the frame a' the bent ends of the hooks can be engaged with said frame and the cushion held securely in place.

It will be seen that, although my mattress is of about the same thickness as an ordinary spring-mattress, yet it fulfills the purposes both of a spring-mattress and a stuffed mattress—that is to say, it presents a soft cushioned surface that will yield and adapt itself to the different positions which may be occupied by a person lying thereon.

What I claim is—

1. The combination, with the frames a' a'' and interposed springs a , of the cushion b , provided with hooks e , attached at intervals along its edges, and constructed to engage with frame a' and hold the cushion securely in place, substantially as described.

2. The combination, with the frames a' a''

and interposed springs *a*, of the cushion *b*, having a flap, *b'*, inclosing said frames, and the hooks *e*, secured to the edges of cushion *b*, and engaging with frame *a'*, to hold said cushion

5 in place, substantially as described.

3. The combination, with the frames *a'* *a''* and interposed springs *a*, of the cushion *b*, having a flap, *b'*, inclosing said frames, and provided with eyelets *d*, and the hooks *e*, secured
10 to said cushion and engaging with frame *a'*, to hold the cushion in place, substantially as described.

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

GORDON DONALDSON PETERS.

Witnesses:

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