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J. HILTON

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PILLOW OR CUSHION

Filed June 30, 1930

Fig. 1.

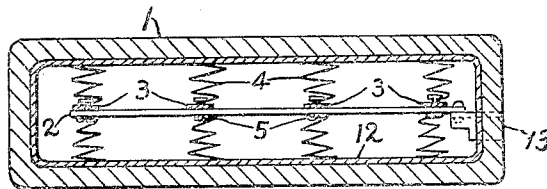


Fig. 2.

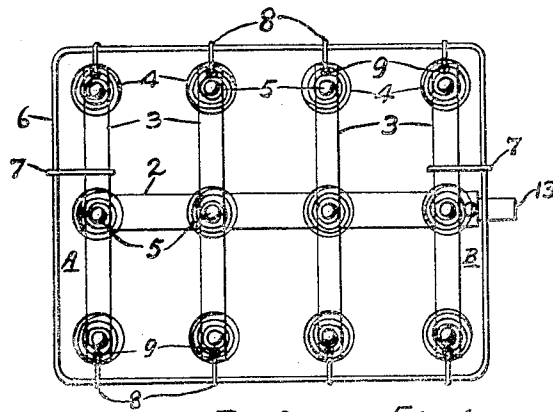


Fig. 3

Fig. 4.



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PILLOW OR CUSHION

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This invention relates to improvements in pillows or cushions, the object being to provide a more comfortable and hygienic pillow or cushion than hitherto and which can be readily folded without being damaged.

In the prior art, a common plurality of laths cross each other to their outer ends, and on each side thereof there are anchored a plurality of outstanding springs in axial alignment; but this forms a too universally rigid construction to be comfortable as a head rest.

According to the present invention, pillows and cushions comprise, in combination, a single longitudinal flexible tempered steel lath which forms a vertebræ, and a plurality of flexible tempered steel laths which are transversely anchored to said lath which forms said vertebræ, and there are employed a plurality of outstanding springs which are anchored to each side of the said lath forming said vertebræ but also anchored to each side of the said plurality of laths, thereby producing a cantilever effect on the said extensions of the said plurality of laths from said lath which forms the aforesaid vertebræ, this arrangement and construction improving the cantilever effect which progressively decreases the resistance of the pillow or cushion to the head and face from the centre of the pillow or cushion.

In the accompanying explanatory diagrammatic drawing, Fig. 1 is a sectional view through a finished pillow or cushion on the line A B of Fig. 2, and a modification in that the frame 6 is omitted. Fig. 2 shows a plan view. Fig. 3 shows an end elevation of one of the transverse laths with cushioned end of which a side elevation is shown in Fig. 4; and the same reference numbers are used for the same parts throughout.

A pillow or cushion, indicated by its outer covering 1, consists of a longitudinal flexible tempered steel laths 2, only one being shown, to each of which is transversely anchored a plurality of thinner section flexible tempered steel laths 3, and to all of which are anchored on each side thereof a plurality of springs 4 which are secured in the known manner by rivets 5. A wire guard 6, not shown in Fig. 1,

and arranged about the same level as the lath 2 and the laths 3, is provided about the latter, and is suitably anchored to the laths 3 in any convenient and known manner such as by tying the guard 6 with short pieces of wire to the outer laths 3 and in a similar manner to the ends of the laths 3 by wire 8 tied in holes 9 in the ends of the laths 3. A single longitudinal flexible tempered steel lath 2 to which the laths 3 are similarly secured might be used instead of additional laths 2 and might have or not have the guard 6.

Where the guard 6 is not used the ends of the laths 3 might be cushioned by strips of leather or other soft material 10 secured by a rivet 11 to the laths 3 to prevent possible damage by the ends of the latter if the pillow was thrown as a missile. The springs 4 are covered over in the known manner by the inner covering 12, and the pillow or cushion is provided at one of its ends with the known kind of ventilator 13.

Having described my invention, I claim:—

A pillow or cushion comprising, in combination, a single longitudinal flexible tempered steel lath forming a vertebræ, a plurality of flexible tempered steel laths transversely anchored to said lath forming said vertebræ, and a plurality of outstanding springs anchored to each side of said lath forming said vertebræ and to each side of said plurality of laths, thereby producing a cantilever effect on the extensions of said plurality of laths from said lath forming said vertebræ.

Signed by me this 18th day of June, 1930.

JOHN HILTON.