No. 810,939. PATENTED JAN. 30, 1906.

J. L. HEFFNER.

COUCH.

APPLICATION FILED NOV. 17, 1904.

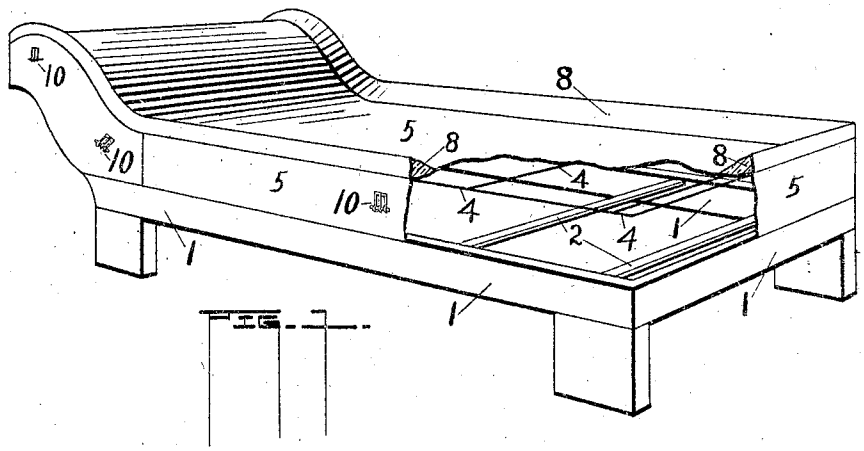


FIG. 1.

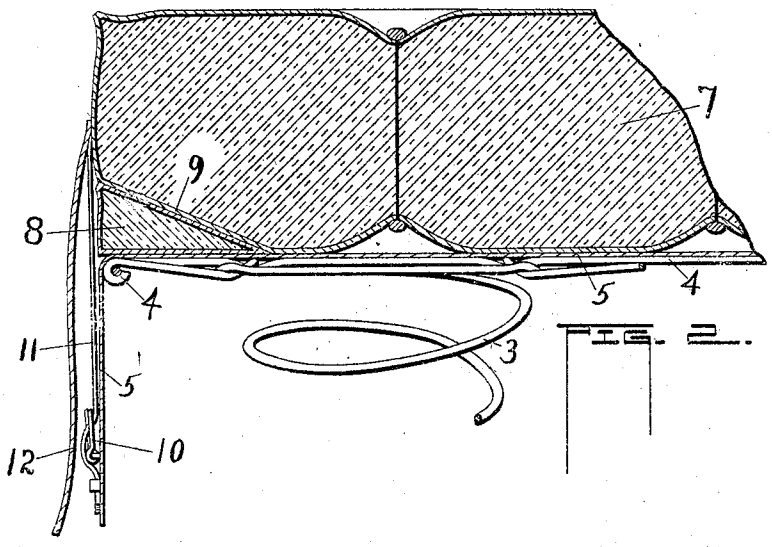


FIG. 2.

Witnesses:

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UNITED STATES PATENT OFFICE.

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COUCH.

No. 810,939. Specification of Letters Patent. Patented Jan. 30, 1906.

Application filed November 17, 1904. Serial No. 233,115.

To all whom it may concern:

Be it known that I, JOHN L. HEFFNER, a citizen of the United States, residing at Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Couches; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to couches which have removable or detachable mattresses or cushions.

The object of my invention is to provide a couch with a removable or detachable cushion or mattress wherein the said mattress or cushion may be easily and readily removed and easily and readily replaced.

My invention has for its further object means for holding and fastening the said removable or detachable mattress of cushion in place on the frame or body or the couch to prevent displacement from its proper position on the couch-frame.

In the accompanying drawings, Figure 1 is a perspective view of the body or frame of a couch constructed in accordance with my invention, a portion being cut away to show details of construction. Fig. 2 is an enlarged sectional view of the preferred method of fitting and fastening the mattress or cushion to the frame of the couch.

Similar figures refer to similar parts throughout the several views.

In couches of the usual construction it has been a common practice to make the mattress or cushion fixed to the body or frame of the couch or fastened or fixed to a framework supported by and made a part of the body or frame of the couch.

In my invention I secure advantages over couches of the above nature and construction, inasmuch as a couch with a removable mattress is easier and more convenient to clean and repair, is simpler and more substantially constructed, and possesses the advantage of being easily converted into a cot.

The base 1 of the couch may be of any suitable construction and is provided with the cross-strips 2 or other suitable means whereby the usual springs are supported. (These springs are not shown in Fig. 1, the upper portion of one being shown at 3 in Fig. 2.) Upon the top of these springs and secured thereto is a yielding or flexible framework 4, over which may be stretched a duck, canvas, or other suitable covering 5 to inclose the springs on the top and sides. This covering is not necessary in carrying out the principle of my invention, but is provided as a protection for the springs and to prevent wearing of the parts that would come in contact therewith. This yielding or flexible framework 4 on the springs 3 with or without the covering 5 forms a flat upper surface to the couch-frame, which said upper surface I shall hereinafter refer to as the "top" of the couch-frame, and upon this said top of the couch-frame the movable or detachable mattress or cushion rests and by it is supported. The top of the couch-frame is elevated, by means of the springs 3, some distance above the base 1 of the couch, so that the whole top of the couch-frame is a yielding surface.

Around the top of the couch-frame is a raised edge 8, which fits into a cut-out place 9 around the edge of the lower surface of the mattress or cushion 7. This cut-out place 9 on the mattress is not necessary in all cases, inasmuch as many mattresses are of such elasticity and yielding nature that they will, because of their own weight, be depressed by the raised edge 8, and thereby form a socket, wherein the raised edge will fit. When necessary, I provide further means for securing the mattress to the frame upon which it rests, such as buckles 10 on the couch-frame and straps on the mattress, as at 11 of Fig. 2; the said straps and buckles so arranged that each strap on the mattress fastens to a corresponding buckle on the frame of the couch, while a drapery 12 may be suspended from and fastened around the mattress of the couch, so as to hang over and conceal the buckles and straps from view.

It is evident from the foregoing description that many changes and modifications can be made in the structure specified and illustrated without departing from the spirit of my invention. The raised portion or portions on the top of the couch-frame, with which the mattress or cushion conforms and by which it is held in position, herein shown and described as a raised padded edge around the margin of the top of the couch-frame, may be differently arranged thereon and differently constructed. It may take the form of transverse, longitudinal, or other irregu-

larly-arranged raised portions and may be constructed of any material or effected in any way that will not noticeably interfere with the flexibility and yielding nature of the top of the couch-frame.

The provision of further means for securing the mattress or cushion to the supporting-frame, such as the straps and buckles shown, is not in many cases a necessity, as the weight of the mattress or cushion on the raised portions which I provide on the top of the couch-frame will suffice to hold it in place, and in such cases these fasteners will be done away with. However, when required, other equivalent means can be substituted for the straps and buckles. Consequently, since my invention is capable of so many various modifications, I have shown and described a structure embodying my idea and contemplate such changes from the structure shown as are not a departure from the spirit of my invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a couch, the combination of a yielding support, a removable cushion thereon, and a raised edge on said yielding support adapted to hold the said cushion in place.

2. In a couch, the combination with a suitable base and springs thereon, of a flat surface formed on the springs, a raised portion around the edge of the said flat surface, and a mattress supported upon the said flat surface and conforming to the said raised edge.

3. The combination of a suitable frame, a loose mattress or cushion supported on the said frame, a raised edge around the supporting-surface of the said frame, a depression in the said mattress or cushion in which the said raised edge is socketed, and means for detachably securing the said mattress or cushion on the frame.

4. In a couch, the combination with a suitable base and springs thereon, of a flat surface formed on the springs, a raised portion around the edge of the said flat surface, a mattress supported upon the said flat surface and conforming to the said raised edge, and fasteners for detachably securing the said mattress on the said frame.

5. The combination of a couch-frame, a raised padded portion around the edge of the upper surface of the said couch-frame, and a removable mattress supported thereon and conforming to the said raised padded portion.

6. The combination of a suitable frame, a loose mattress or cushion supported on the said frame, a raised edge around the supporting-surface of the said frame, and a depression in the mattress or cushion in which the said raised edge is socketed.

7. The combination of a couch-frame with raised padded portions on the top thereof, a removable mattress supported on the said couch-frame, depressions in the said removable mattress at the places where it contacts with the aforesaid raised padded portions of the couch-frame, and fasteners for securing the said mattress in position on the said couch-frame.

8. The combination of a couch-frame, a detachable mattress supported thereon, raised padded portions on the top of the couch-frame, corresponding depressions in the aforesaid mattress, into which the said raised portions of the couch-frame fit, and fasteners on the couch-frame and the mattress to secure the said mattress to the couch-frame.

9. The combination of a couch-frame, a detachable mattress supported thereon, a cut-out portion around the lower edge of the mattress, a triangular or V shaped padding fastened around the edge of the top of the couch-frame, straps on the said detachable mattress and buckles on the said couch-frame, substantially as and for the purposes specified.

10. The combination with a couch-base of springs supported thereon, a covering for the said springs, a raised padded portion on the top of the spring-covering, a cut-out portion on the mattress supported upon the said spring-covering, the said cut-out portion of the mattress to fit onto the said raised padded portion on the spring-covering, and means to fasten the said mattress to the covering of the springs.

11. The combination with a couch-base of springs supported thereon, a yielding frame fastened to the top of the springs, a flexible covering drawn and fastened over the said frame and inclosing the springs, a triangular or V shaped padding around the edge of the upper surface of the said covering, a mattress supported upon the said covering, the said mattress having a cut-out portion around the edge of the lower surface to fit the triangular or V shaped padding on the aforesaid covering, straps on the said mattress and buckles on the said covering and a drapery hanging over the said straps and buckles, substantially as specified.

12. The combination of a couch-frame, a raised padded edge around the upper surface of the said couch-frame, a loose mattress supported on the said upper surface, and conforming to the said raised padded edge and fasteners for securing the said mattress in position on the couch-frame.

13. In a couch, the combination with a suitable base of a spring-surface upon which a removable or detachable mattress or cushion is supported, a raised edge, about the said spring-surface, upon which the said removable mattress or cushion rests when in position, and to which that portion of the mattress or cushion in contact therewith conforms.

14. In a couch, the combination of a frame, a yieldingly-supported surface thereon ele-

vated above said frame, a removable cushion on said yielding surface, a raised edge on said yielding surface adapted to hold the cushion in place thereon, and a band fastened to and depending from the said raised edge and adapted to cover the space between the yielding surface and the supporting-frame.

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

JOHN L. HEFFNER.

Witnesses
W V. TEFFT,
EUGENE M. GILES.