

No. 870,297.

PATENTED NOV. 5, 1907.

P. KNUPPEN.
SOFA PILLOW.
APPLICATION FILED MAR. 8, 1907.

Fig. 1.

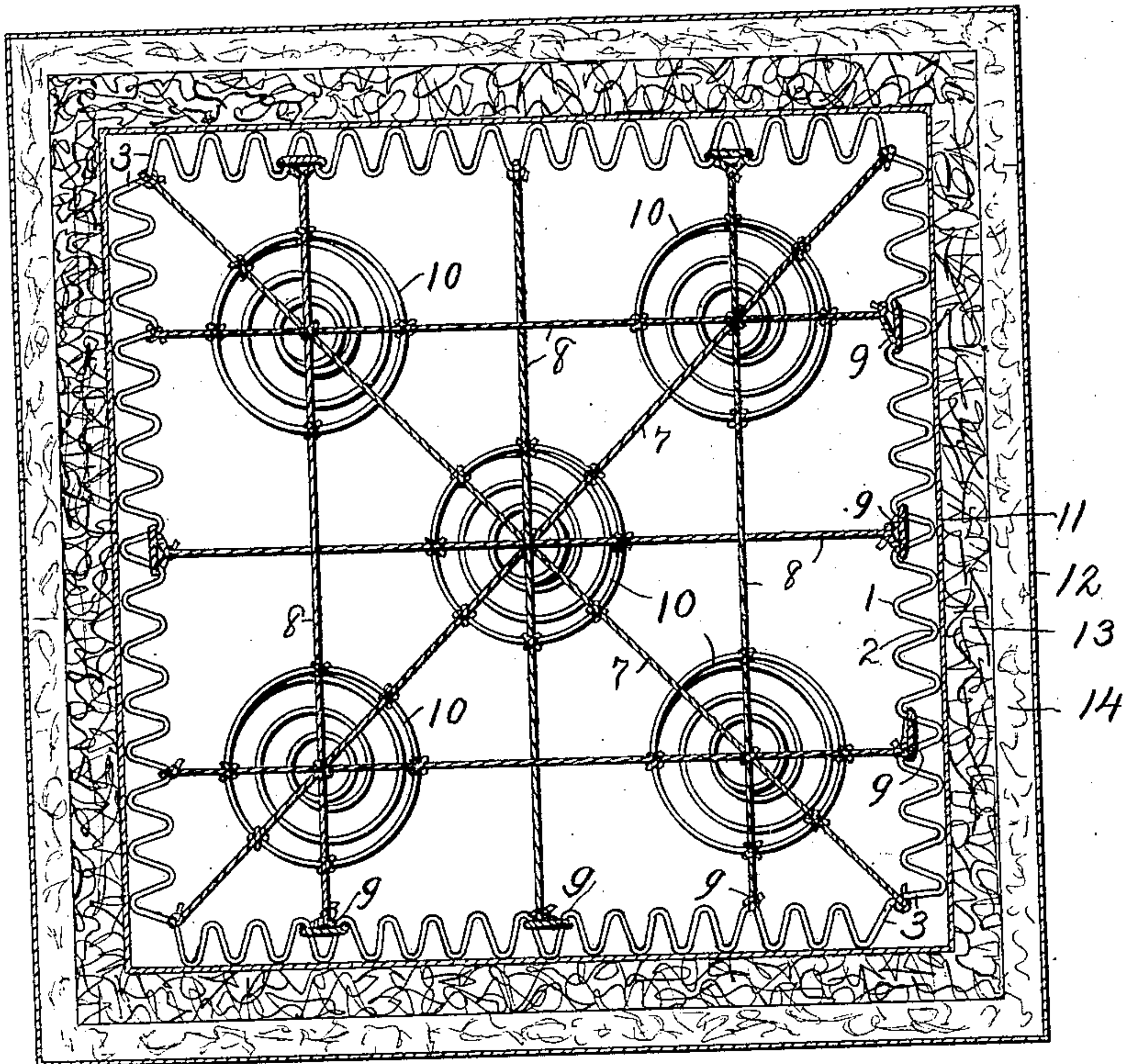


Fig. 2.

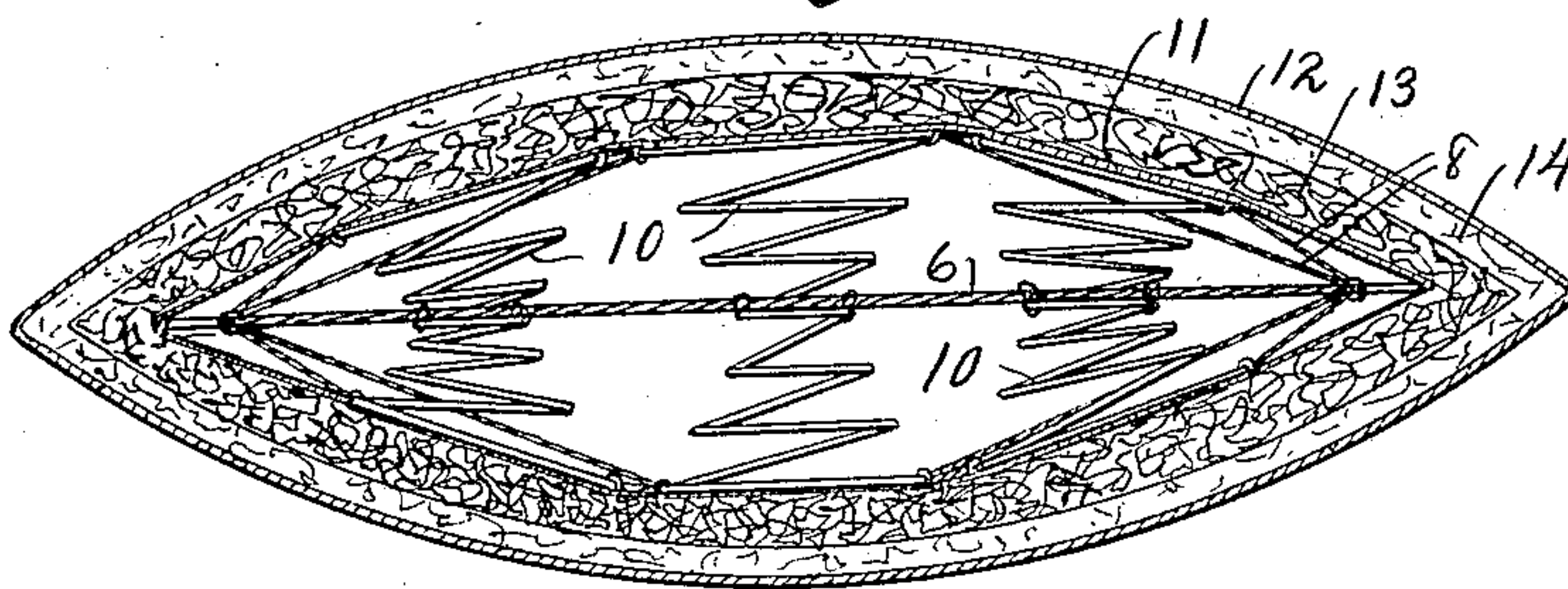
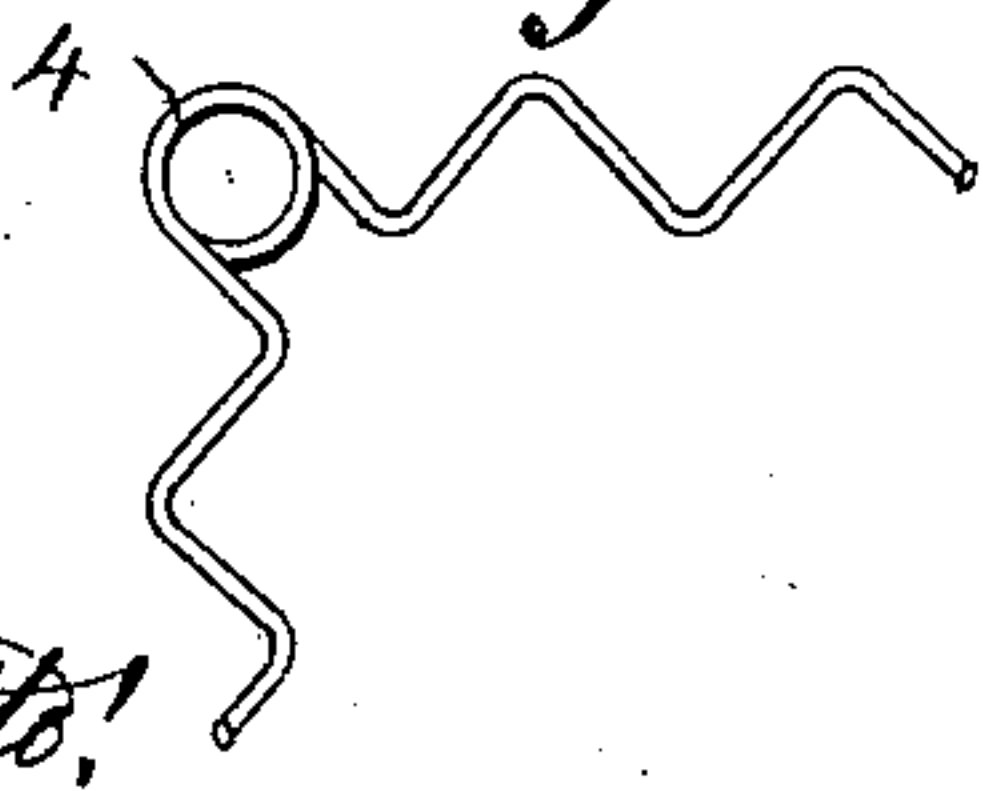


Fig. 3.

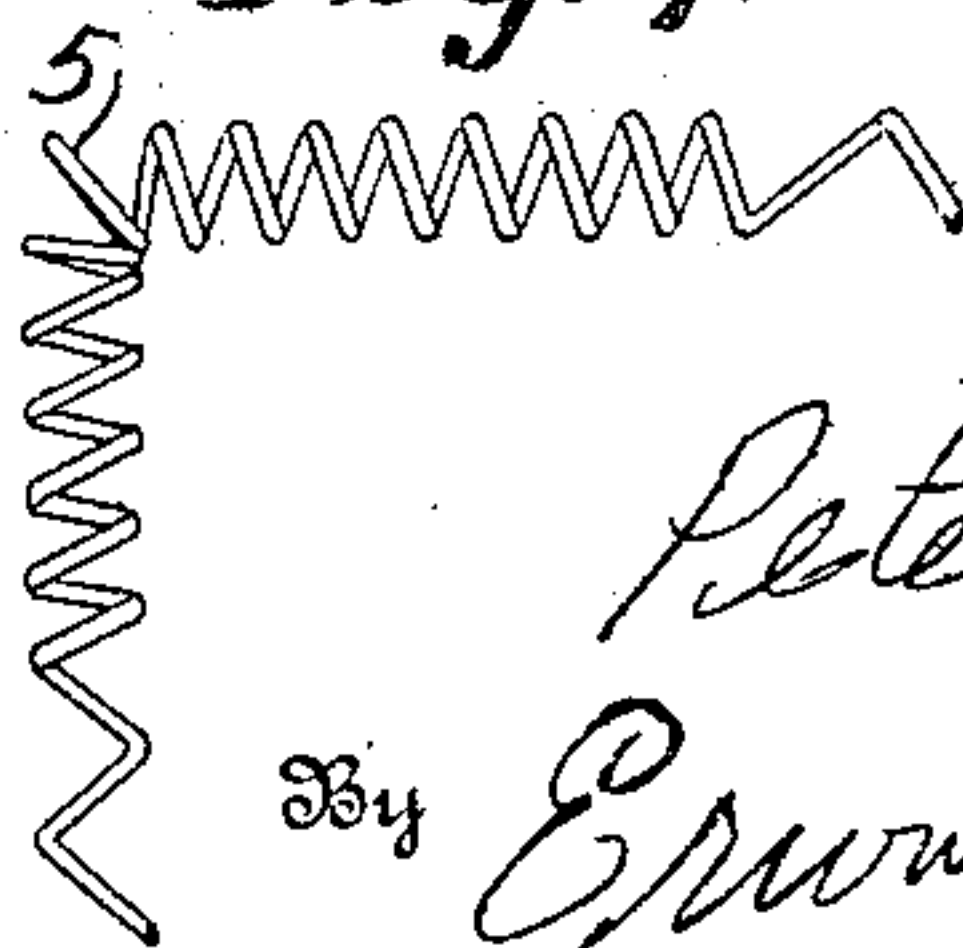


Witnesses

F. A. H.

A. H. Schuy

Fig. 4.



Inventor

Peter Knuppen

By

Erwin A. Wheeler

Attorney

UNITED STATES PATENT OFFICE.

PETER KNUPPEN, OF MILWAUKEE, WISCONSIN.

SOFA-PILLOW.

No. 870,297.

Specification of Letters Patent.

Patented Nov. 5, 1907.

Application filed March 6, 1907. Serial No. 360,819.

To all whom it may concern:

Be it known that I, PETER KNUPPEN, a citizen of the United States, residing at Milwaukee, county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Sofa-Pillows, of which the following is a specification.

My invention relates to improvements in sofa pillows.

The object of my invention is to provide a spring cushioned sofa pillow which will retain its shape without being hard or unyielding at the edges and corners.

In the following description reference is had to the accompanying drawings in which,

Figure 1 is a view of my improved pillow with the covering and filling removed on one side to expose the frame and springs. Fig. 2 is a transverse sectional view. Figs. 3 and 4 are detail views of modified forms of construction at the frame corners.

Like parts are identified by the same reference characters throughout the several views.

The sides of the frame are composed of resilient wire, preferably in a single piece, and bent zig-zag to form successive inward and outward bends 1 and 2 respectively, all in the same plane or substantially so as shown in Fig. 1. At the corners the wire may be bent inwardly in a broad open bend 3, as shown in Fig. 1 or it may be wound in a flat coil 4 in the common plane as shown in Fig. 3 or in a spiral coil 5, as shown in Fig. 4. The flat forms shown in Figs. 1 and 3, are, however, preferred as having the least tendency to noise or to produce hard spots in pillows.

The corners are connected diagonally by cords 7 and the sides are connected by cords 8 at intermediate points 9. The cords 8 preferably extend straight across and at the crossing points of the diagonal cords 7. Spiral springs 10 are located with their axes transverse to the plane of the frame wire and cords. The cords are preferably connected with these springs, and other cords 6 may be employed as stays for the springs if desired. The structure thus formed is provided with a casing 11 of any suitable fabric, between which and the outer cover 12 is a filling composed of a layer 13 of coarse material, (preferably excelsior) and a layer 14 of finer material, (preferably cotton). The filling covers the margins of the frame as well as the sides, and as the frame is free to yield in all directions the presence of the metallic parts will be little noticed. For example, if the pillow is subjected to a direct pressure between two corners on the same side, the bends in the wire will readily yield and approach each other, and react to their original position as soon as the strain is removed. The wire will also yield as readily to lateral or twisting strains.

While I have shown and described a square pillow it will be understood that it may be made round, square, star shaped, or of any desired contour.

It will be observed that the frame forms the pillow margin and that the bends extend outwardly and inwardly with reference to the central portion of the pillow. The filling and the coiled springs serve as cushioning devices and separate the upper and lower walls of the cover between the frame margins. The cords are secured to the inward bends of the frame wire, and as two sets of these cords extend divergently across the respective ends of the springs and are connected with the springs at the crossing points they not only assist in holding the springs in position but also assist in holding the frame against any tendency to twist or buckle.

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

1. A pillow comprising an open marginal frame composed of resilient wire bent into zigzag form, with the bends extending inwardly and outwardly with reference to the central portion of the pillow, a covering, and cushioning devices separating the upper and lower walls of the covering between the frame margins.

2. A pillow comprising an open marginal frame, composed of resilient wire bent into zigzag form, a set of coverings for the frame, packing interposed between the coverings, and a set of coiled springs within the frame disposed with their axes crossing the planes of the frame and of the individual bends of the frame wire.

3. A pillow comprising an open marginal frame, composed of resilient wire bent into zigzag form, a set of coverings for the frame, packing interposed between the coverings, and a set of coiled springs within the frame disposed with their axes crossing the planes of the frame and of the individual bends of the frame wire, together with sets of cords extending divergently from the inner bends of the frame wire to the respective ends of the coiled springs and arranged to serve as stays for both the coiled springs and the frame.

4. A pillow comprising an open frame composed of resilient wire bent into zig zag form, a set of coverings for the frame, and suitable packing interposed between the coverings, all of said bends in the wire being substantially in a plane common to the general outline of the frame.

5. A pillow comprising an open frame composed of resilient wire bent into zig zag form, a set of coverings for the frame, and suitable packing interposed between the coverings, said wire being coiled at the corners of the frame and the several sides being formed integrally.

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

PETER KNUPPEN.

Witnesses:

LEVERETT C. WHEELER,
F. A. OTTO.