

(No Model.)

R. KELSO.
PILLOW.

No. 574,867.

Patented Jan. 5, 1897.

FIG. 1.

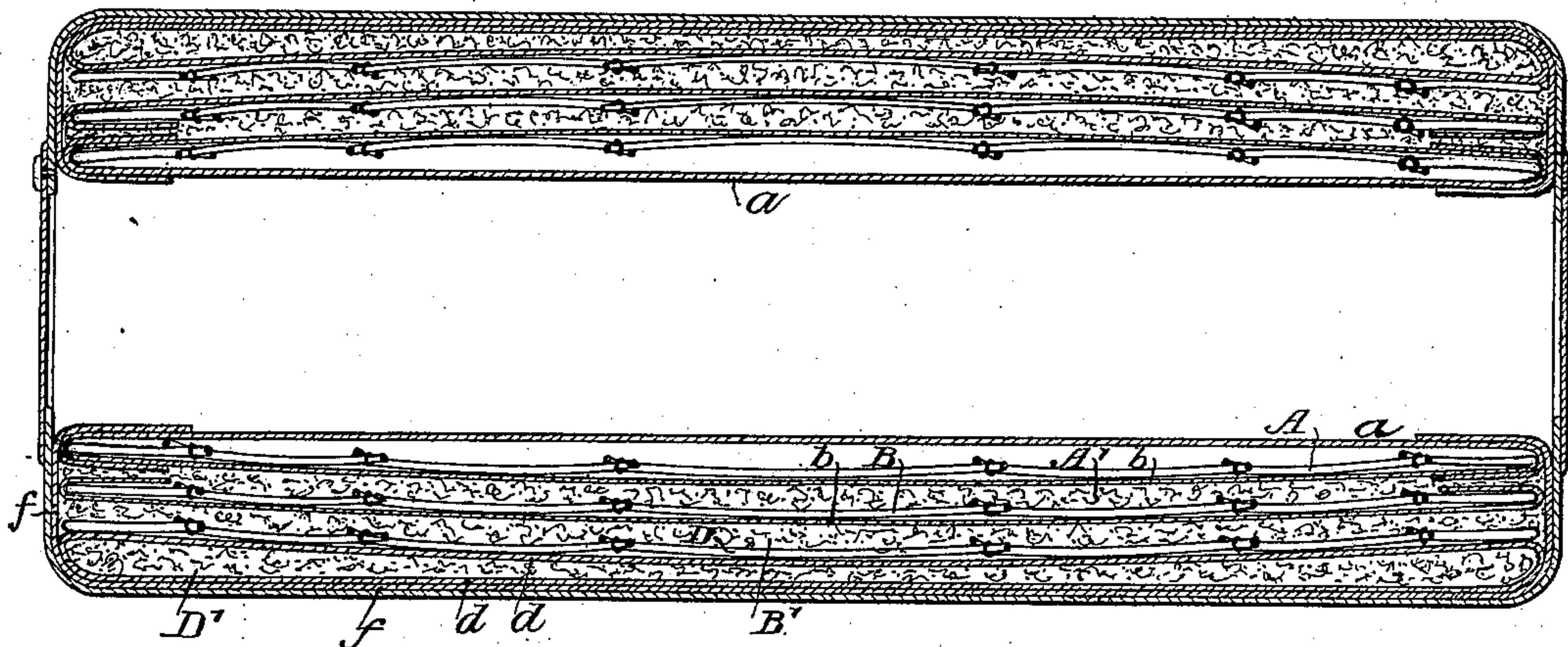


FIG. 3.

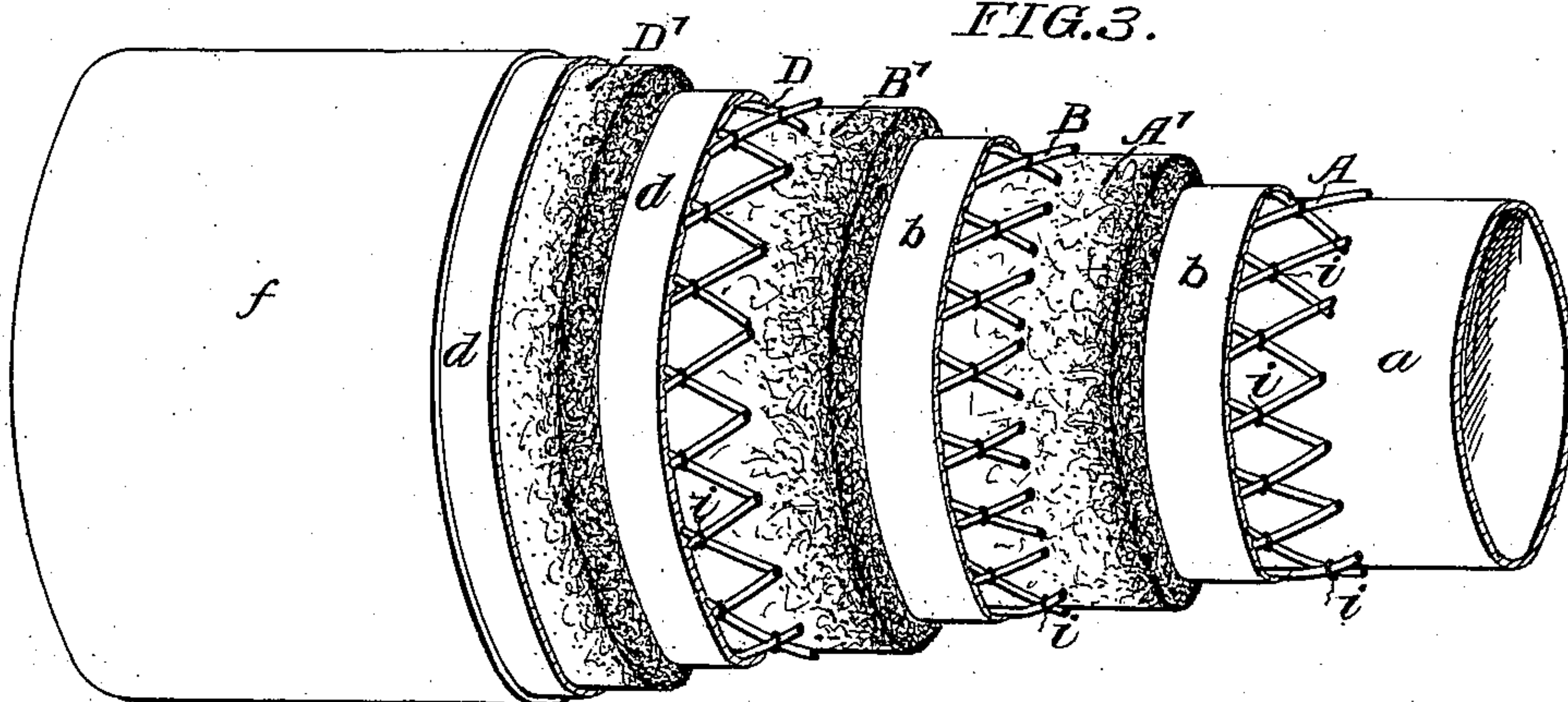


FIG. 2.

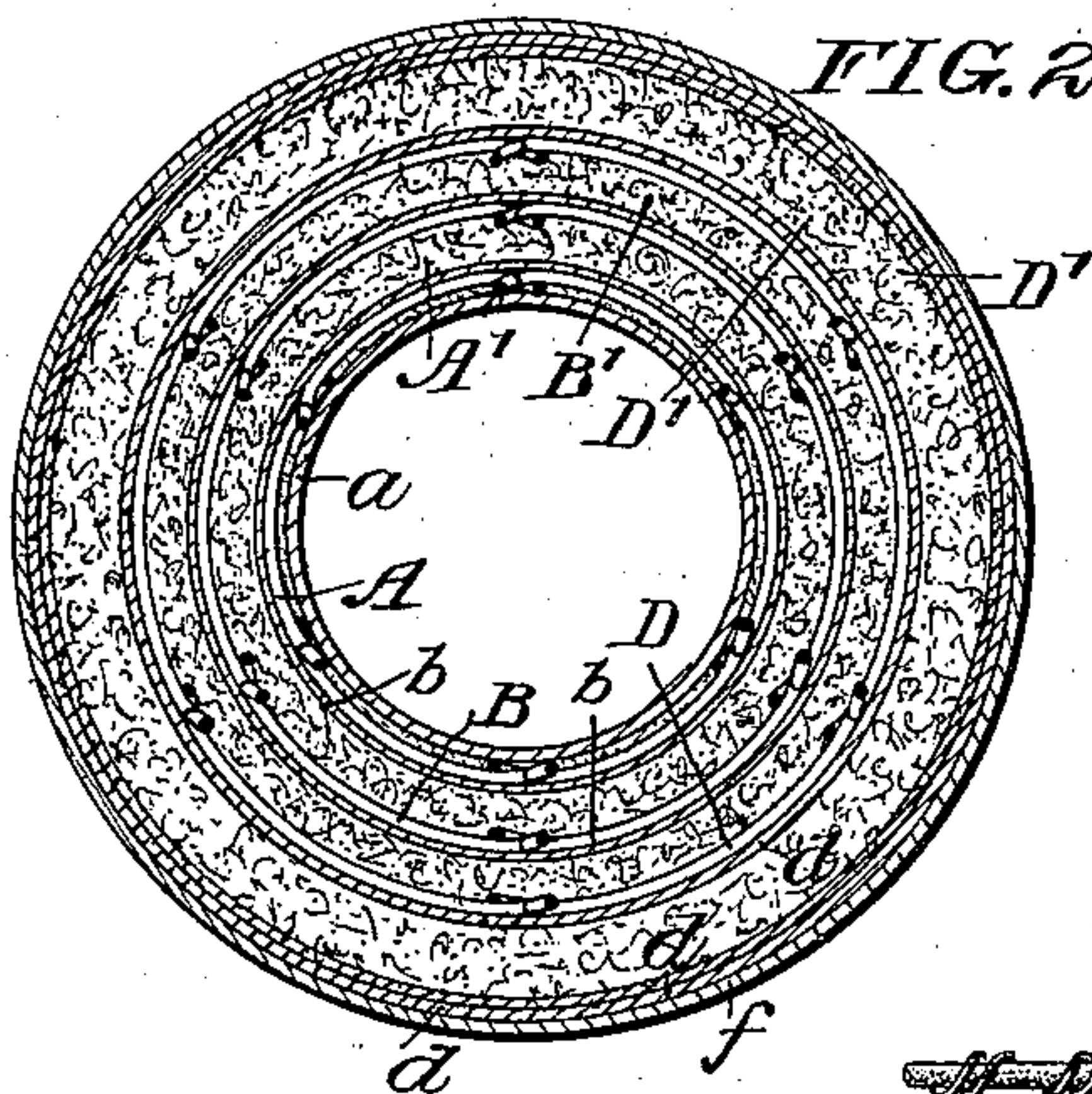


FIG. 4.

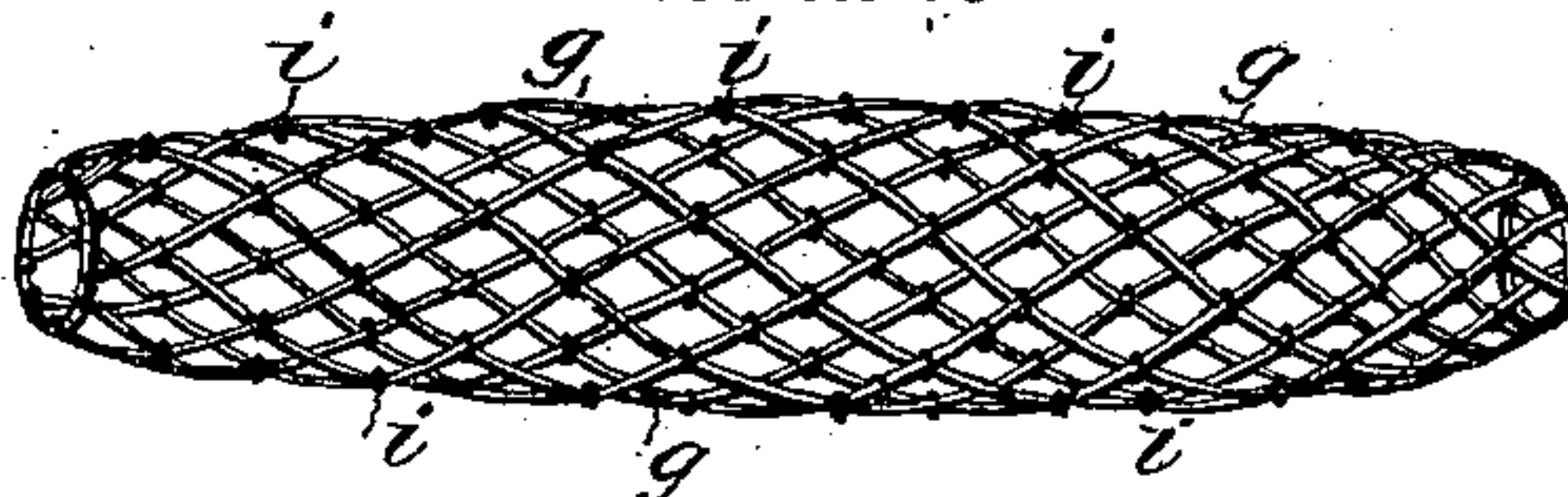


FIG. 5.



FIG. 6.



Witnesses:

Emmet Hefen
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Inventor:
Robert Kelso
by his Attorneys

Howson & Howson

UNITED STATES PATENT OFFICE.

ROBERT KELSO, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO MORRIS ROSENBAUM, OF SAME PLACE.

PILLOW.

SPECIFICATION forming part of Letters Patent No. 574,867, dated January 5, 1897.

Application filed August 13, 1895. Serial No. 559,163. (No model.)

To all whom it may concern:

Be it known that I, ROBERT KELSO, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Pillows, of which the following is a specification.

The object of my invention is to make a pillow, mattress, or like article which will be light in weight, extremely elastic, cool, soft, and
10 thoroughly ventilated; and this object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal section of a pillow constructed in accordance with my invention. Fig. 2 is a transverse section of the same. Fig. 3 is a perspective view showing successive sections of the pillow removed in order to illustrate its internal construction. Fig. 4 is
15 a perspective view, on a reduced scale, of one of the elastic tubes of the pillow. Fig. 5 is a perspective view, on a still more reduced scale, of the complete pillow; and Fig. 6 is a view of part of one of the resilient cords of which each
20 of the elastic tubes of the pillow is composed.

My improved pillow consists of one or more elastic tubes of peculiar construction, each surrounded by a suitable pad and covering, the preferable form of the pillow comprising a series of such elastic tubes and a
25 corresponding series of covering-pads.

In the drawings I have shown a pillow consisting of three elastic tubes A, B, and D, each with a surrounding pad of curled hair or
30 other available material such as is used for upholstering purposes, these three pads being represented, respectively, at A', B', and D'. Within the inner elastic tube A is a lining-tube *a*, and around each of the elastic tubes
35 A and B is a casing *b*, the outer elastic tube D being contained within an annular bag-like casing *d*, which is stuffed with the curled hair or other material, so as to constitute the outer pad D', the pillow being finally provided with
40 an outer casing or covering *f*. The lining and the various casings or coverings are composed of any textile material which may be considered best adapted for the purpose. Each of the elastic tubes A, B, and D consists
45 of resilient cords or strands either entwined or forming oppositely-twisted spirals securely

united at the crossing-points by means of tying or lashing wires or cords *i*, and each of the cords *d* is preferably composed of a core
50 *m*, of textile fibrous material, around which is coiled one or more resilient wires *m'*, as shown in Fig. 6. An elastic tube constructed in this manner is permanently resilient in all directions and cannot be so flattened or distorted by pressure upon it that it will not resume its
55 normal condition when such pressure is removed. Hence a pillow constructed in accordance with my invention is extremely elastic, and, being of tubular form, it provides for the constant circulation of air through the
60 same, so as to permit of perfect ventilation and of the rapid drying of the pillow if it should chance to become wet.

An elastic tube constructed in accordance with my invention is entirely free from any
65 metallic creaking or tinkling sound, and hence it is especially useful in the construction of a pillow, where such noises would be decidedly objectionable, and as the various concentric tubes of my improved pillow are separated
70 from each other by means of interposed pads any noise due to the contact of the wires of one elastic tube with those of another is also prevented.

The openings at the ends of the pillow may,
75 if desired, be closed by means of flaps *n*, which, however, do not materially interfere with a proper flow of air into and from the central opening of the pillow.

Owing to the annular form of the pillow, the
80 bulk of material in the same is comparatively slight, and as the elastic tubes, owing to the character of the cords of which they are composed, are very light, the pillow can be made of light weight, while it is extremely cool and
85 soft.

In constructing a mattress two or more of the tubular structures described may be placed side by side and covered by a pad of curled hair or like material.
90

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. A pillow or the like consisting of an elastic tube composed of diagonally crossed or entwined resilient cords or strands loosely
95 bound together at the crossing-points, but otherwise unrestrained between the opposite

ends of the pillow, and a pad or cushion surrounding said elastic tube, substantially as specified.

2. A pillow or the like consisting of an elastic tube composed of a series of diagonally crossed or entwined cords each consisting of a fibrous textile core with a spiral wrapping of resilient wire, said cords being held together at the crossing-points, and a pad surrounding said elastic tube, substantially as specified.

3. A pillow or the like consisting of a series of elastic tubes, each consisting of a number of resilient cords or strands diagonally crossed or entwined and held together at the crossing-points, with pads interposed between the successive elastic tubes, and a pad surrounding the outer one of said tubes, substantially as specified.

4. A pillow or the like consisting of one or more elastic tubes each consisting of a series of resilient cords or strands diagonally crossed

or entwined and loosely bound together at the crossing-points, but otherwise unrestrained between the opposite ends of the pillow, a casing or cover surrounding the elastic tube, and a pad surrounding said casing or cover, substantially as specified.

5. A pillow or the like consisting of a series of elastic tubes, each composed of a series of resilient cords or strands diagonally crossed or entwined and held together at the crossing-points, pads interposed between the successive elastic tubes, and an outer pad consisting of an annular bag with stuffing material contained therein, substantially as specified.

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

ROBERT KELSO.

Witnesses:

WILL A. BARR,
JOS. H. KLEIN.