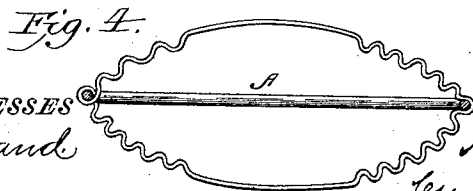
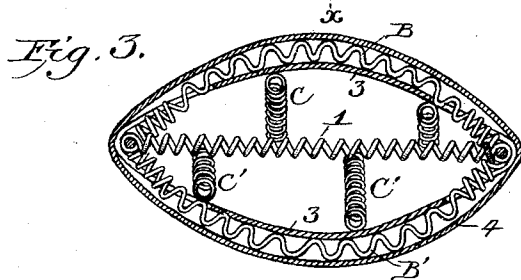
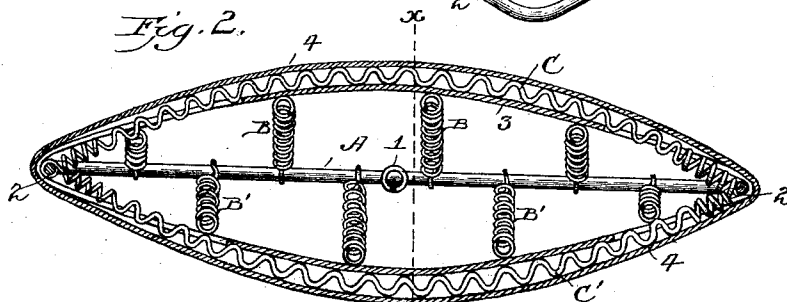
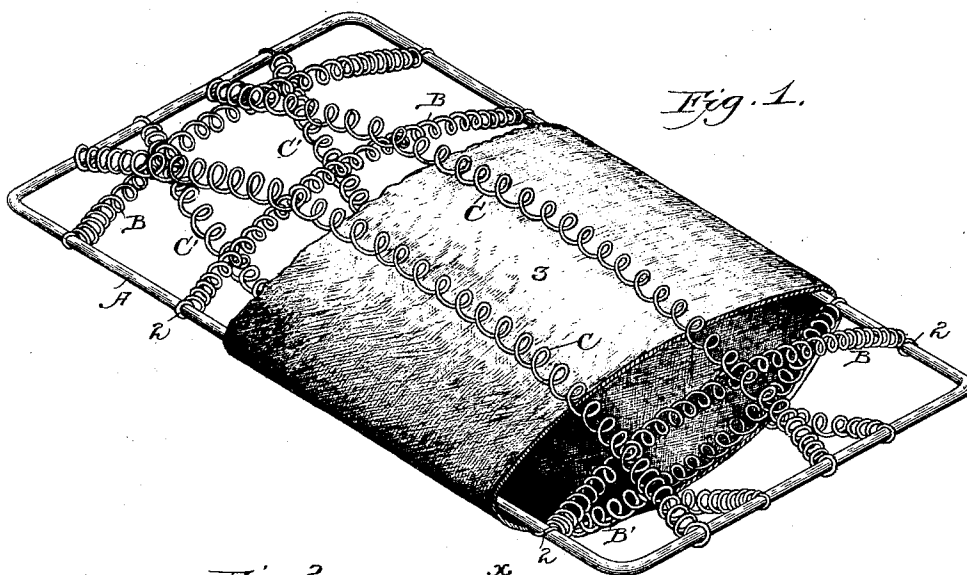


(No Model.)

A. J. LYTLE.
PILLOW.

No. 484,441.

Patented Oct. 18, 1892.



WITNESSES
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UNITED STATES PATENT OFFICE.

ANDREW J. LYTLE, OF HILLSBOROUGH, OHIO.

PILLOW.

SPECIFICATION forming part of Letters Patent No. 484,441, dated October 18, 1892.

Application filed February 2, 1892. Serial No. 420,099. (No model.)

To all whom it may concern:

Be it known that I, ANDREW JACKSON LY-
TLE, a citizen of the United States of Amer-
ica, residing at Hillsborough, in the county
5 of Highland and State of Ohio, have invented
a new and useful Pillow, of which the follow-
ing is a specification.

My invention relates to improvements in
spring-pillows; and the object is to provide
10 an article of the kind named which will be
comfortable, delightfully resilient and yield-
ing, shapely, and durable.

I have hereinafter fully described the con-
struction, and have also particularly pointed
15 out and distinctly made claim to the inven-
tion, as required by the statute.

In the accompanying drawings, Figure 1 is
a perspective view of the skeleton frame of
the pillow, the covering over the inner set of
20 springs being shown broken away. Fig. 2 is
a longitudinal section. Fig. 3 is a transverse
section on the line *xx* of Fig. 2. Fig. 4 is a
view of a modified form of spring wherein,
instead of the coil-spring, a flat spring is
25 shown having the portions near the ends
crimped to give the required resiliency.

A designates a frame, preferably of a rect-
angular form and oblong. This frame con-
sists of a metal bar or wire of such size as to
30 provide the proper rigidity and at the same
time give a slight resilient function when
pressure is applied on the pillow. To retain
the frame in due relation at the sides and to
return it to normal position after the press-
35 ure has been removed or released, a cross-
spring 1 is arranged between the side bars of
the frame and has its ends secured thereto,
as shown in the drawings. This cross-spring
prevents the frame from being unduly ex-
40 panded when pressure is put on the pillow
and at the same time tends to force the other
springs to normal position by its action on
the frame. Its use also dispenses with verti-
cally-arranged spiral springs to assist in ex-
45 panding the pillow.

B B' designate, respectively, top and bot-
tom springs arched or curved, as shown, and
having their ends rigidly secured to the side
bars of the metal frame at 2. These springs
50 in their relative arrangement form ellipses,
the middle ones being highest at the center
and the others gradually decreasing in height,
so as to make the pillow tapering from the cen-
ter to the ends. The springs are secured to
55 the side bars of the frame with their ends in al-

ternation, as shown, and this is my preferred
manner of construction; but, as hereinafter
specified, if a flat spring, with crimped end
portions, is used the springs may be a full-
elliptical spring.

C C' designate longitudinally - arranged
springs at top and bottom of the pillow, hav-
ing their ends fastened to the end bars of the
frame and intersecting the other springs.
The arrangement of these respective springs, 65
it will be perceived, form a pillow-frame
which is elliptical in both directions. To pre-
vent any noise at the intersections or cross-
ings of the springs, I put a covering 3 over
the inner set of springs and secure it over the 70
frame, and over the whole frame and springs
an outer covering 4 is secured, substantially
as shown. These respective coverings may
be of any suitable material usually employed
for such purposes. The outer covering may 75
be padded to make the surface yielding and
pleasant to the touch of the person and to
prevent the springs from being felt when
pressed together. By rigidly fastening the
ends of the springs to the frame with the ends 80
of the springs directed in the direction of the
curve they are held so that they always re-
turn to the upper limit when the pressure is
removed, and the expansion of the pillow thus
insured.

Having thus described my invention, what
I claim, and desire to secure by Letters Pat-
ent, is—

1. In a spring-pillow, the combination of a
rectangular frame, reversely - arranged top 90
and bottom semielliptical springs, a covering
over said springs, longitudinally - arranged
top and bottom semielliptical springs, and an
outer covering.

2. In a spring-pillow, the combination of a 95
rectangular frame, a cross-spring having its
ends secured to the side-bars of the frame,
top and bottom semielliptical springs having
their ends secured to the side bars of the
frame, a covering over said springs, longi- 100
tudinally-arranged top and bottom semiel-
liptical springs over the said covering, and a
covering over the whole frame and springs.

In witness whereof I have hereto set my
hand in the presence of two attesting wit- 105
nesses.

ANDREW J. LYTLE.

Witnesses:

A. G. HEYLMUN,
JAS. H. BLACKWOOD.