

H. KAMRASS.
AIR CUSHION.
APPLICATION FILED JULY 23, 1917.

1,266,482.

Patented May 14, 1918.

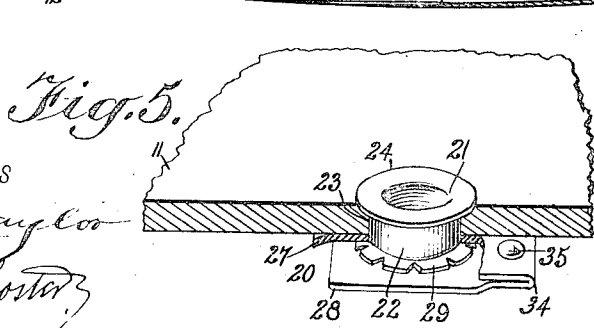
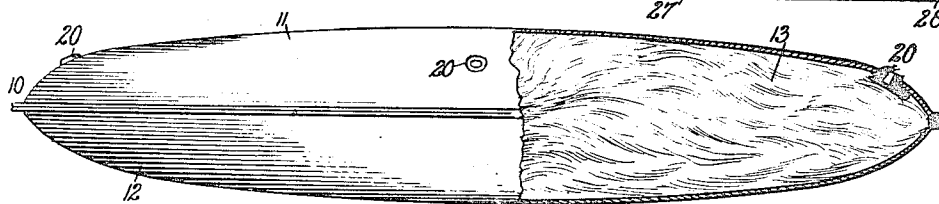
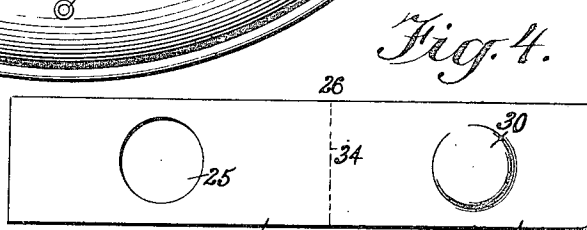
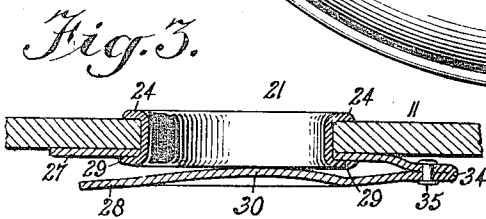
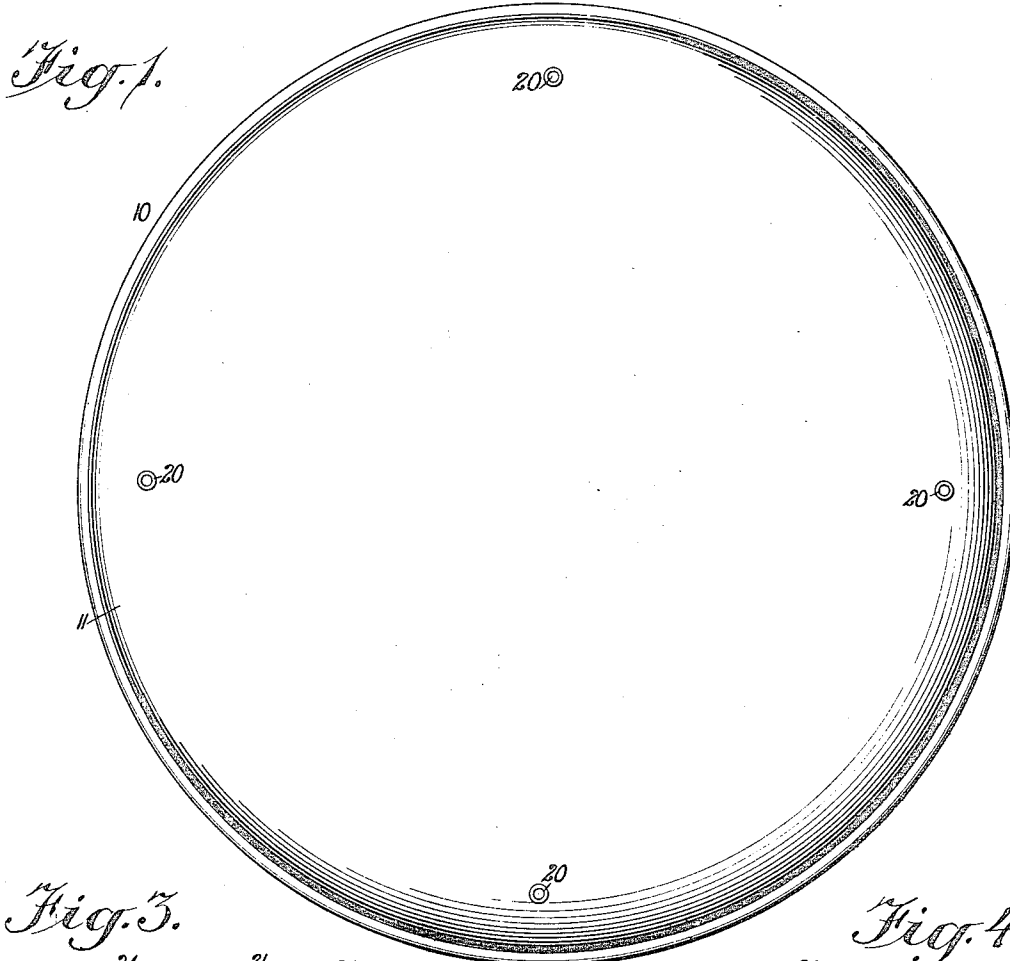


Fig. 2.

WITNESSES
Geo. W. May, Jr.
Wm. J. Foster

INVENTOR
Harris Kamrass
BY *M. M. Lo*
ATTORNEYS

UNITED STATES PATENT OFFICE.

HARRIS KAMRASS, OF NEW YORK, N. Y.

AIR-CUSHION.

1,266,482.

Specification of Letters Patent.

Patented May 14, 1918.

Application filed July 23, 1917. Serial No. 132,135.

To all whom it may concern:

Be it known that I, HARRIS KAMRASS, citizen of the United States, and resident of the city of New York, in the county of New York and State of New York, have invented certain new and useful Air-Cushions, of which the following is a specification.

The invention relates to seats for chairs, and its object is to provide a new and improved air cushion arranged to produce a desired resiliency and ventilation with a view to insure comfort to the user seated on the cushion.

The invention relates particularly to the construction of an air valve as hereinafter described, and illustrated in the accompanying drawing in which—

Figure 1 is a plan view of the air cushion;

Fig. 2 is a side elevation of the same with parts shown in section;

Fig. 3 is an enlarged sectional side elevation of one of the air valves in position on the casing;

Fig. 4 is an enlarged plan view of the blank for forming the air valve; and

Fig. 5 is a perspective view of one of the valves as applied, the parts being shown in section.

The covering or casing 10 of the air cushion is preferably made of two parts 11 and 12, of suitable flexible upholstery material, and the parts are dished and fastened together along their margins with the curvatures of the dished parts extending in opposite directions, as plainly indicated in Fig. 2. The covering 10 is filled with a resilient upholstery material 13 which coacts with the air within the covering or casing to provide the desired resiliency to insure comfort to the user seated on the said seat. It is understood that normally the air and the filling 13 keep the covering halves fully extended, as shown in Fig. 2, and when the user seats himself on the cushion then the air within the covering is compressed and likewise the resilient filling material 13 to yieldingly sustain the weight of the wearer and thereby provide the desired comfort. When the user rises from the cushion then the combined action of the air and the resilient filling material causes the casing to be extended to its original shape.

In order to provide a circulation of air, use is made of air valves 20, preferably arranged near the margin of the upper half part 11 of the covering or casing 10. Each

of the valves 20 is formed of an eyelet 21 having its shank 22 extending through an aperture 23 formed in the covering part 11 with the flange 24 on the outer end of the shank resting on the outer face of the covering part 11. The shank 22 extends through an opening 25 formed in the valve proper 26 made of a piece of leather or similar material, doubled up to provide an attaching member 27 and a valve member 28, of which the attaching member 27 is provided with the opening 25 and is engaged at the under side by the crimped head 29 formed on the inner end of the shank 22. By the arrangement described the attaching member 27 is intermediate the under side of the covering part 11 and the crimped head 29 whereby the attaching member is securely held in place. The valve member 28 is provided with a struck-up socket or cup-like depression 30 adapted to be seated within the inner end of the opening of the eyelet 21 to close the said eyelet opening by pressure from within the covering or casing and exerted against the under side of the valve member 28 at the time a person is seated on the cushion. The bight 34 of the members 27 and 28 is reinforced by stitches, a clip or similar means 35, to hold the member 28 in doubled up position, and to allow the same to readily open and close relative to the eyelet opening 21. It is understood that when the cushion is relieved of the weight of the user the valve proper 28 readily opens to admit air to the interior of the covering or casing 10, but when the user seats himself on the cushion and the air within the covering or casing is compressed then the pressure against the under side of the valve 28 moves the same into closed position to prevent escape of air from the cushion.

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

1. An air cushion having an air valve comprising a flanged eyelet and a piece of flexible material doubled upon itself and its upper portion having an aperture that receives the eyelet and is secured between the lower flange of the latter and the covering of the cushion, the lower portion of the said piece overlying the inner end of the eyelet and constituting the valve proper, as shown and described.

2. An air cushion having an eyelet se-

cured to the covering, a flap valve made of a piece of flexible material doubled to form an attaching member and a valve opening and closing member, the attaching member
5 having an aperture therethrough and engaging the shank of the eyelet intermediate the inner face of the covering and the inner crimped head of the eyelet, the said valve opening and closing member having
10 a convex socket portion fitting the inner end of the opening in the said eyelet, and means

to connect and reinforce the said attaching member and the said valve opening and closing member at the bight thereof.

Signed at New York city, in the county 15 of New York and State of New York, this 25th day of June, A. D. 1917.

HARRIS KAMRASS.

Witnesses:

MORRIS DIAMOND,
FRANCIS L. BOUQUET.