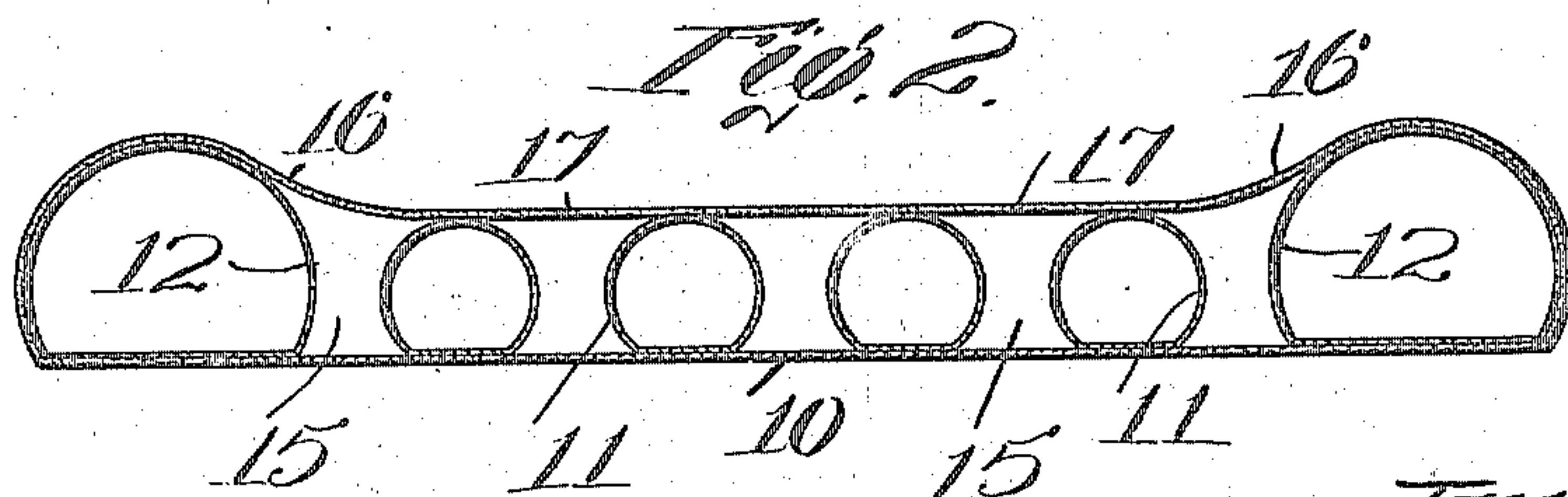
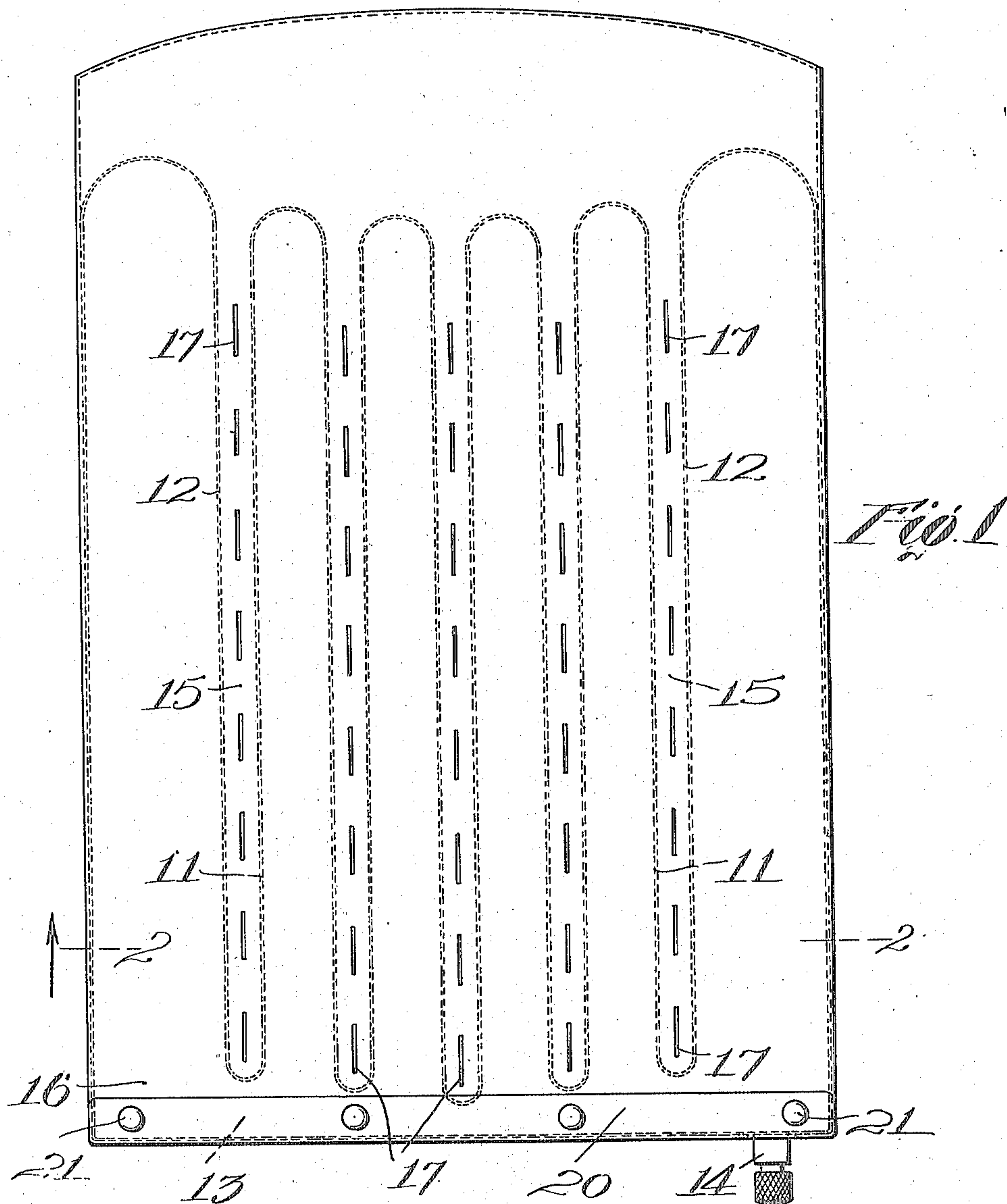


H. LAURILA.
MATTRESS.

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957,892.

Patented May 17, 1910.



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UNITED STATES PATENT OFFICE.

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MATTRESS.

957,892.

Specification of Letters Patent.

Patented May 17, 1910.

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To all whom it may concern:

Be it known that I, HJALMAR LAURILA, a citizen of Finland, and subject to the Emperor of Russia, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Mattress, of which the following is a specification.

This invention relates to an inflatable mattress for use on beds, couches and the like.

The principal objects of the invention are to provide a flexible, comfortable construction so arranged that the longitudinal edges are elevated, and also to provide a construction in which the top surface of the mattress is composed of a rubber sheet which will not hold water and which is free from the tubes forming its support so that when the mattress is inverted the cover will depend from the sides of the mattress, whereby when right side up water on the upper surface of the mattress will flow inside leaving the top dry, and when the mattress is inverted the water will flow out.

Further objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawings, in which—

Figure 1 is a plan of a mattress constructed in accordance with this invention, and Fig. 2 is a sectional view of the same on the line 2—2 of Fig. 1.

The mattress is shown as provided with a base 10 preferably formed of rubber cloth and as having a main body formed of a plurality of parallel inflatable tubes 11 and side tubes 12 along the longitudinal edges of the mattress of a larger diameter than the main tubes. They form elevations which will assist in preventing an occupant from rolling off, which makes the device particularly adapted for infants. All these tubes are shown as connected together at one end by means of passages 13. A valve or nipple 14 is provided through which the entire mattress can be inflated at once and through which the air can be exhausted. It is to be observed that all of the tubes 11 and 12 are flattened on the bottom where they are cemented or otherwise fixed to the base 10 of the mattress. They are also separated from each other by leaving spaces 15 between them.

The cover 16 of the mattress is shown as forming an extension of the base 10 fitting

around the outer surface of the tubes 12. This cover rests lightly on the top of the tubes 11 but is not secured thereto. Located in this cover at points preferably over the centers of the spaces 15 are parallel series of slots or perforations 17, through which water will flow to the interior of the mattress so that the top will always be dry. When the mattress is inverted, the cover will drop from the tubes 11 and depend from the side tubes so that its lowest point will be at its center. Therefore, the water will flow out again through the perforations.

At one end the outer casing (composed of the base 10 and cover 16) has a flap extending up from the base and lapping over the end of the cover. This is secured in position by buttons 21, or in any other convenient way. It can be unbuttoned and turned down having the end open so that the interior can be drained and cleaned. The nipple 14 passes through a hole in the flap.

While I have illustrated and described a preferred embodiment of the invention I am aware that many modifications can be made therein by any person skilled in the art without departing from the scope of the invention as expressed in the claims. Therefore, I do not wish to be limited to all the details of construction shown and described, but

What I do claim is:—

1. As an article of manufacture, a mattress comprising a plurality of inflated tubes communicating with each other at one end of the mattress, and a flat cover therefor secured to the bottoms of the tubes and movable from them on their upper sides and engaging the tubes only on the tops and bottoms thereof.

2. As an article of manufacture, a mattress comprising a plurality of parallel inflated tubes spaced from each other, and a cover therefor secured to the bottom of said tubes and resting upon the tops thereof, the top and bottom of said cover being unconnected throughout and the top having openings located between each two adjacent tubes, the bottom of the cover being imperforate.

3. As an article of manufacture, a mattress comprising a plurality of parallel inflated tubes separated from each other by an unobstructed air space extending from one to the next, and having a passage at one end of substantially the same height as the tubes

with which the tubes freely communicate,
and cover therefor secured to the bottoms of
said tubes, but removable from the tops
thereof, the top of the cover being provided
5 with a series of openings located between
each two adjacent tubes.

In testimony whereof I have hereunto set

my hand, in the presence of two subscribing
witnesses.

HJALMAR LAURILA.

Witnesses:

A. E. FAY,

C. FORREST WESSON.