

H. H. Barnes,

Bed.

No. 110,820.

Patented Jan. 10, 1871.

Fig. 1.

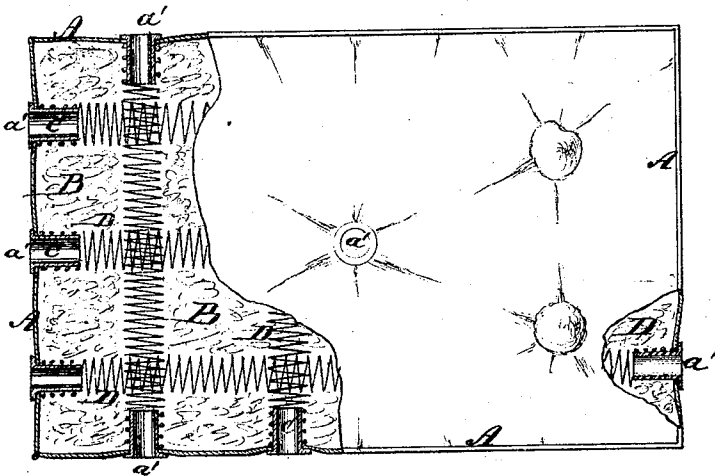
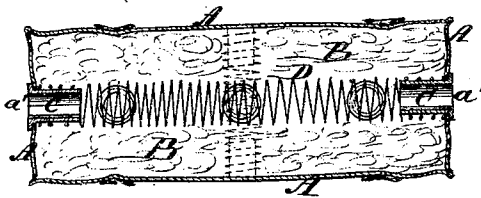


Fig. 2.



Witnesses:

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# UNITED STATES PATENT OFFICE.

HORACE H. BARNES, OF HOOSICK FALLS, NEW YORK.

IMPROVEMENT IN BEDS, CUSHIONS, AND OTHER UPHOLSTERINGS.

Specification forming part of Letters Patent No. **110,820**, dated January 10, 1871.

*To all whom it may concern:*

Be it known that I, HORACE H. BARNES, of Hoosick Falls, in the county of Rensselaer and State of New York, have invented a new and useful Improvement in Beds, Cushions, and other Upholstering; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top view of a bed or mattress to which my improvement has been applied, part being broken away to show the construction. Fig. 2 is a cross-section of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to devices for ventilating beds, cushions, and car or chair seats; and it consists in the arrangement therein of a series of pairs of tubes, each one of a pair opposite to and connected with its *vis-a-vis* by a coiled wire.

I will now describe my invention as applied to a bed or mattress, its application to the other articles to which it is applicable being made in the same manner.

A represents the cover or casing of the bed or mattress. B is the body or stuffing of the same.

In the casing A are formed openings *a'*, leading through the body B of the said bed or mattress.

In the openings in the casing A are placed thimbles or short tubes C to keep them open when the bed is being used.

The tubes C may be made of rubber or other suitable material which will keep the end parts of said openings from being closed when the bed is being used. The tubes or thimbles C also serve to prevent the stuffing B from working out of the openings *a'* in the casing or cover A. The openings through the body or stuffing B are kept open by wire coils D extending the entire length of the opening, and secured at its ends to the cover or casing A. These openings *a'* may extend longitudinally or laterally or vertically through the bed, mattress, or other article, or in two or more directions at the same time.

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

A series of short tubes, C, and wire coils D, combined with a bed, A B, in the manner shown and described, and for the purpose specified.

HORACE H. BARNES.

Witnesses:

EDWARD J. DUSENBURY,  
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