

H. E. Smith,

Mattress.

No. 103096,

Patented May 17, 1870.

Fig. 1.

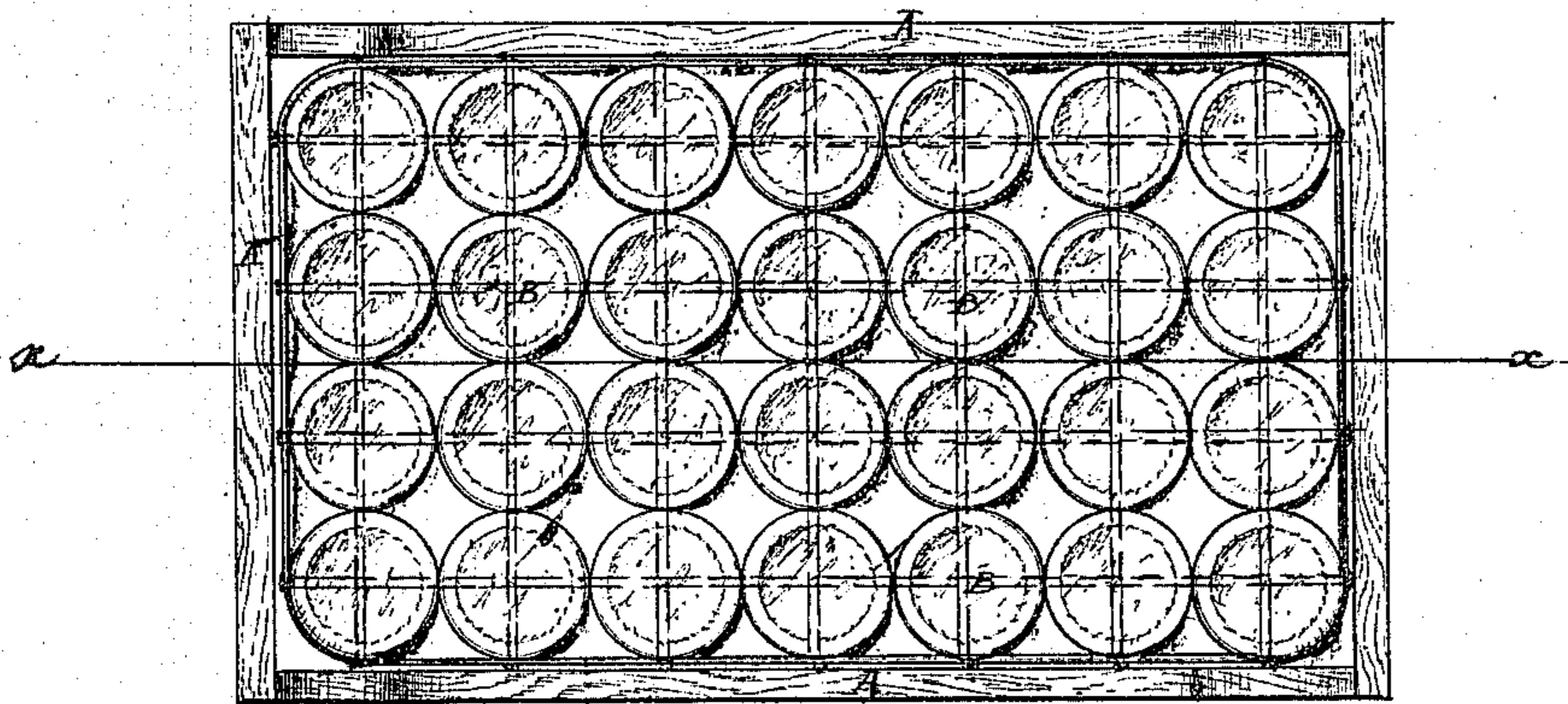
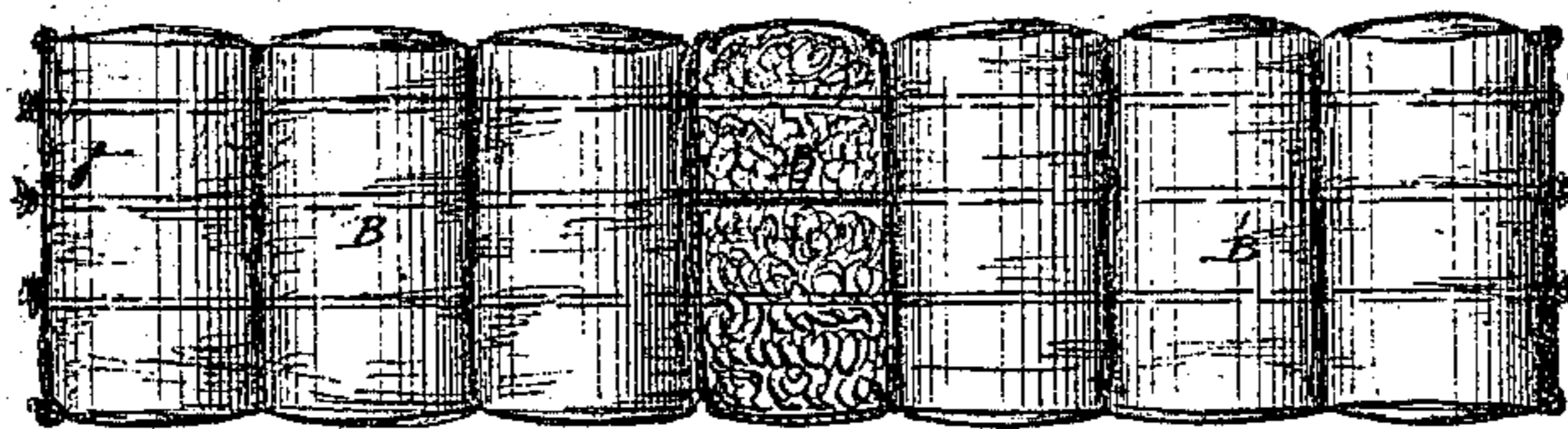


Fig. 2.



Witnesses:

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PER

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HAMILTON E. SMITH, OF NEW YORK, N. Y.

Letters Patent No. 103,096, dated May 17, 1870; antedated May 3, 1870.

IMPROVEMENT IN COLUMNAR MATTRESS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HAMILTON E. SMITH, of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Columnar Mattress; 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.

Figure 1 is a top view of my improved mattress.

Figure 2 is a detail sectional view of the same, taken through the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to improvements in mattresses, and consists in constructing a mattress in columns, so that the air may pass through it freely, it at the same time retaining the elasticity of those constructed in the ordinary manner.

A represents the bedstead, the bottom of which, that the mattress rests upon, may be slats or wire-gauze or net-work, which must be open, to allow the air to pass through freely, need not be elastic, and should be so close as to fully support the mattress.

B is the mattress, consisting of a sufficient number of small bags or columns, arranged side by side, as shown in figs. 1 and 2.

The cases of the columns B may be made of ticking, of any desired fineness, and may be stuffed with

any of the ordinary materials, according to the quality of the mattress to be formed.

For ordinary purposes I prefer to use a coarser material for the lower parts of the columns, using a finer material for the middle parts, and a still finer material for the upper or top parts.

The mattress may be made in one piece, or in two or more pieces or sections, as may be desired.

The whole mattress, or the parts, when the mattress is made in sections, may be surrounded with a band, equal in breadth to the length of the columns B, and secured to said columnus by tufting, the cords passing transversely through said columns, as indicated in the drawings.

By this construction there will be left air-spaces between the columns, to keep the mattress thoroughly ventilated, and, consequently, always clean and sweet.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

An improved mattress, made in columns placed side by side in vertical positions, as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me this 14th day of October, 1869.

HAMILTON E. SMITH.

Witnesses:

GEO. W. MABEE,
JAMES T. GRAHAM.