J. H. GALLAGHER.

BOXES FOR MAKING MATTRESSES.

No. 193,501. Patented July 24, 1877.

Fig. 1.

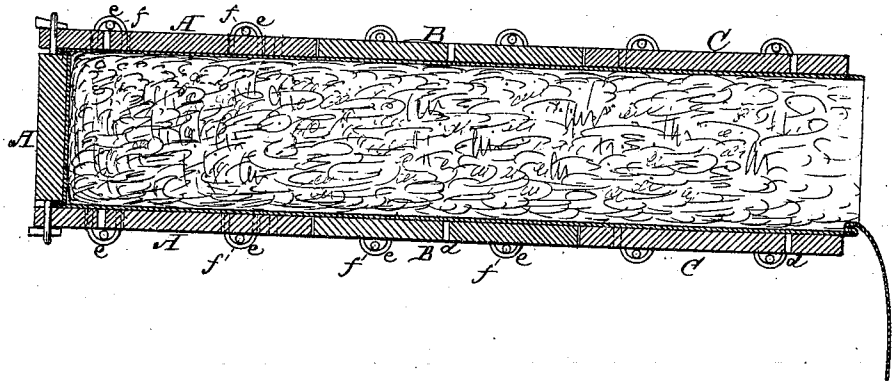
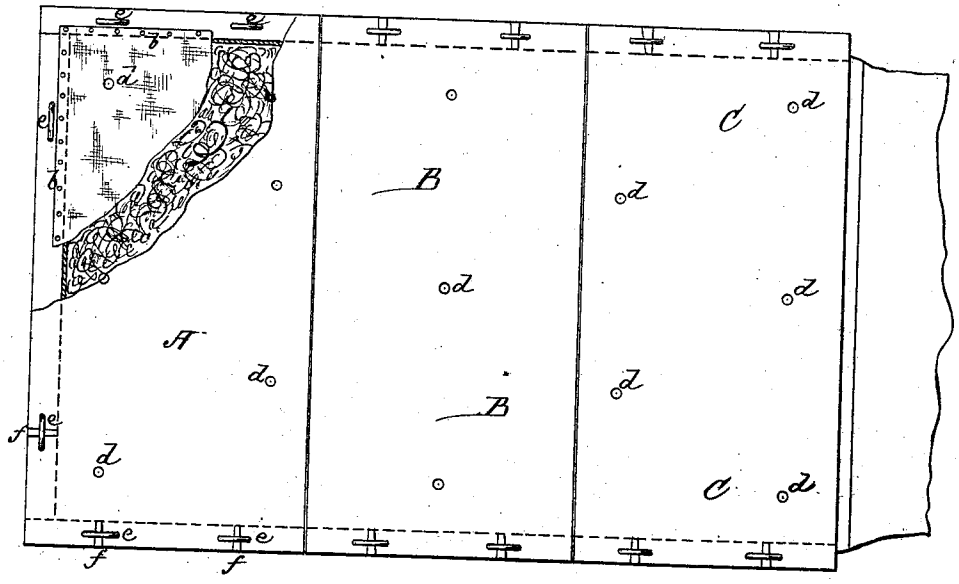


Fig. 2.



Witnesses:

Thos. Broadnax

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UNITED STATES PATENT OFFICE.

JOHN H. GALLAGHER, OF NEW YORK, N. Y.

IMPROVEMENT IN BOXES FOR MAKING MATTRESSES.

Specification forming part of Letters Patent No. **193,501**, dated July 24, 1877; application filed April 11, 1877.

To all whom it may concern:

Be it known that I, JOHN H. GALLAGHER, of New York, in the State of New York, have invented a new and Improved Method of Making Hair Mattresses, or mattresses that are to be made of hair or other similar material; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 2 is a top view of a mattress made upon my improved method, and Fig. 1 is a vertical longitudinal section through said mattress, showing it after being stuffed and before the end is finished or closed.

My invention relates more especially to the manner of stuffing or filling the tick or sack of the mattress, and to the manner of sewing the two sides of the tick through the hair or other stuffing, as or after the sack is filled.

My method of making the mattress is as follows: The tick or sack is first made in the usual manner; the tick is then placed or stretched in a box or frame, (shown in the drawing by A,) and there tacked. This frame is one of three sections, which, when taken together, form a box large enough to contain the mattress, the remaining two sections being marked B B and C C.

The section A consists of the end piece, the top and bottom pieces, and the two side pieces, all of which are proportioned with reference to each other to form a box of the size and shape the mattress is to be made, and they are united and held together by means of staples and pins in such manner that they may be readily taken apart and put together, the staples being represented by *e* and pins by *f*.

The section A being thus prepared, the finished end of the tick is laid on the bottom piece and tacked around the edge, through the seam, as shown by *b b*, Fig. 2. The end piece and the two side pieces of the box are then put in place, and the tick is tacked around the edges, through the seam in the edge of the planks forming the section.

The top piece is then put on and the pins inserted through the staples to hold the section together. The hair or other material is then stuffed in the sack or tick until section A is thoroughly filled. Section B B is then formed or set up over the tick. This section and section C C consist only of the top and bottom planks and the two side pieces, which are held together by staples and pins, the same as in the case of section A. Section B B being thus set up in its place, the tick or sack is stuffed with hair or other material up to the end of this section. Section C C is then set up in its place and the stuffing continued until the tick is filled.

The side edges of the tick being tacked through the seams to the sections B and C, the same as in the case of section A, so that the mattress, when completed, shall have exactly the form of the interior of the box in which it is filled. The mattress, having been thus filled and formed in the box, is sewed before the box is removed, and thus made to retain its form after the box is taken off.

The sewing is done with suitable twine and a long needle passed through the holes *d d* from side to side of the mattress, the hole *d* being made in the top and bottom planks of the sections to exactly correspond—that is to say, the holes in the top and bottom planks are made to correspond with each other in their respective distances from the sides and ends of the several planks, so that the sewing will be square through the mattress, that the bottom and top side of the tick will not draw, as would be the case if the twine were passed through diagonally, or if the holes in the planks were not directly opposite each other in the top and bottom planks.

After the sack has been thus stuffed the pins are taken out of the top staple, the top plank removed, the tracks taken out of the top side seams, and the end and the side piece removed. The tacks are then taken out of the bottom side seams, which release the mattress, all duly formed, ready for finishing, which is done in the usual manner.

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

In the manufacture of mattresses a box made in sections to contain the tick while it is being stuffed, and pierced with holes to facilitate the sewing of the mattress, the succeeding sections of the box to be applied as soon as the preceding section of the mattress is stuffed, and the several parts of the different sections to be made separately to receive the tick, substantially as described.

JOHN H. GALLAGHER.

Witnesses:

AMOS BROADNAX,

PATRICK J. FLYNN.