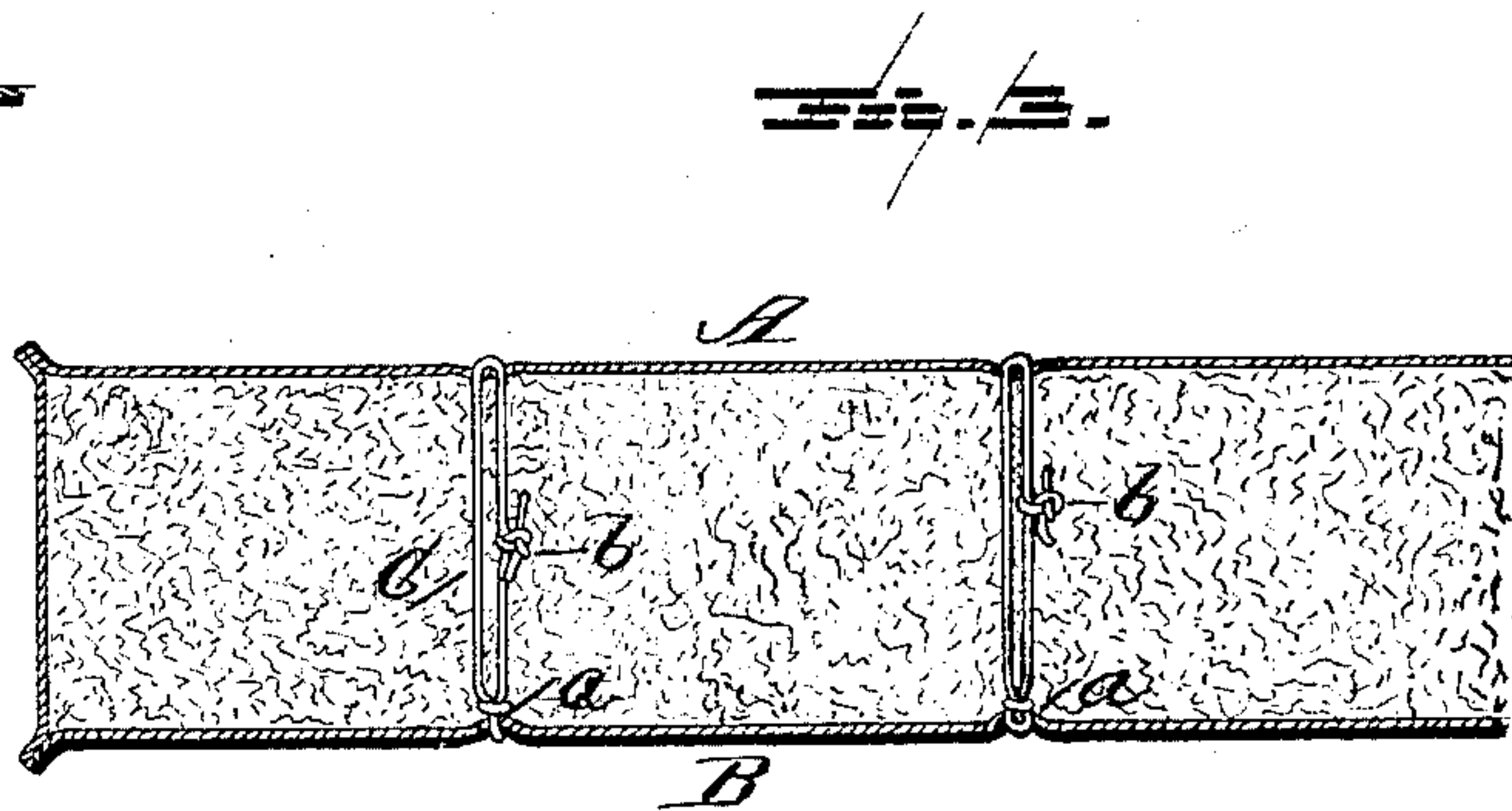
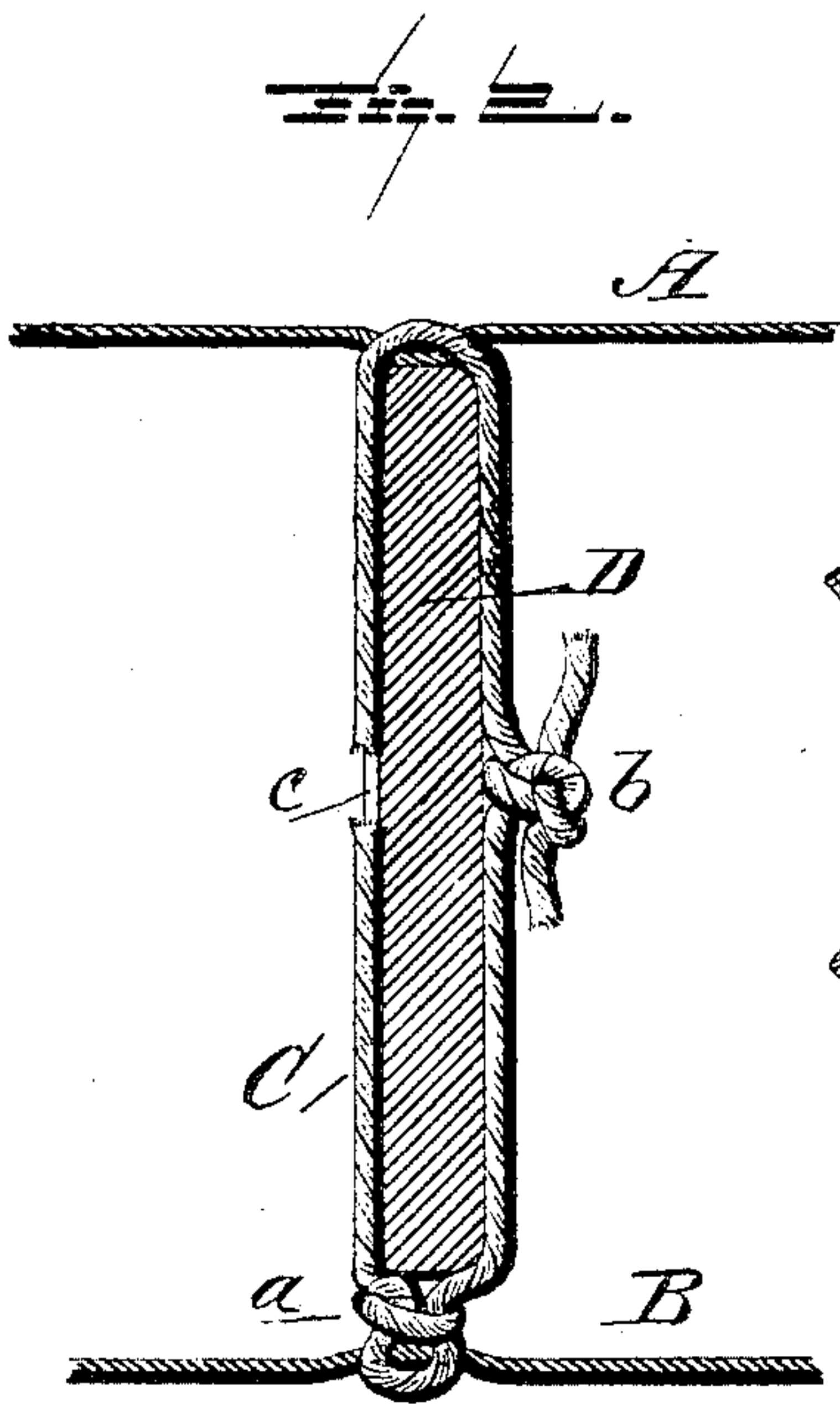
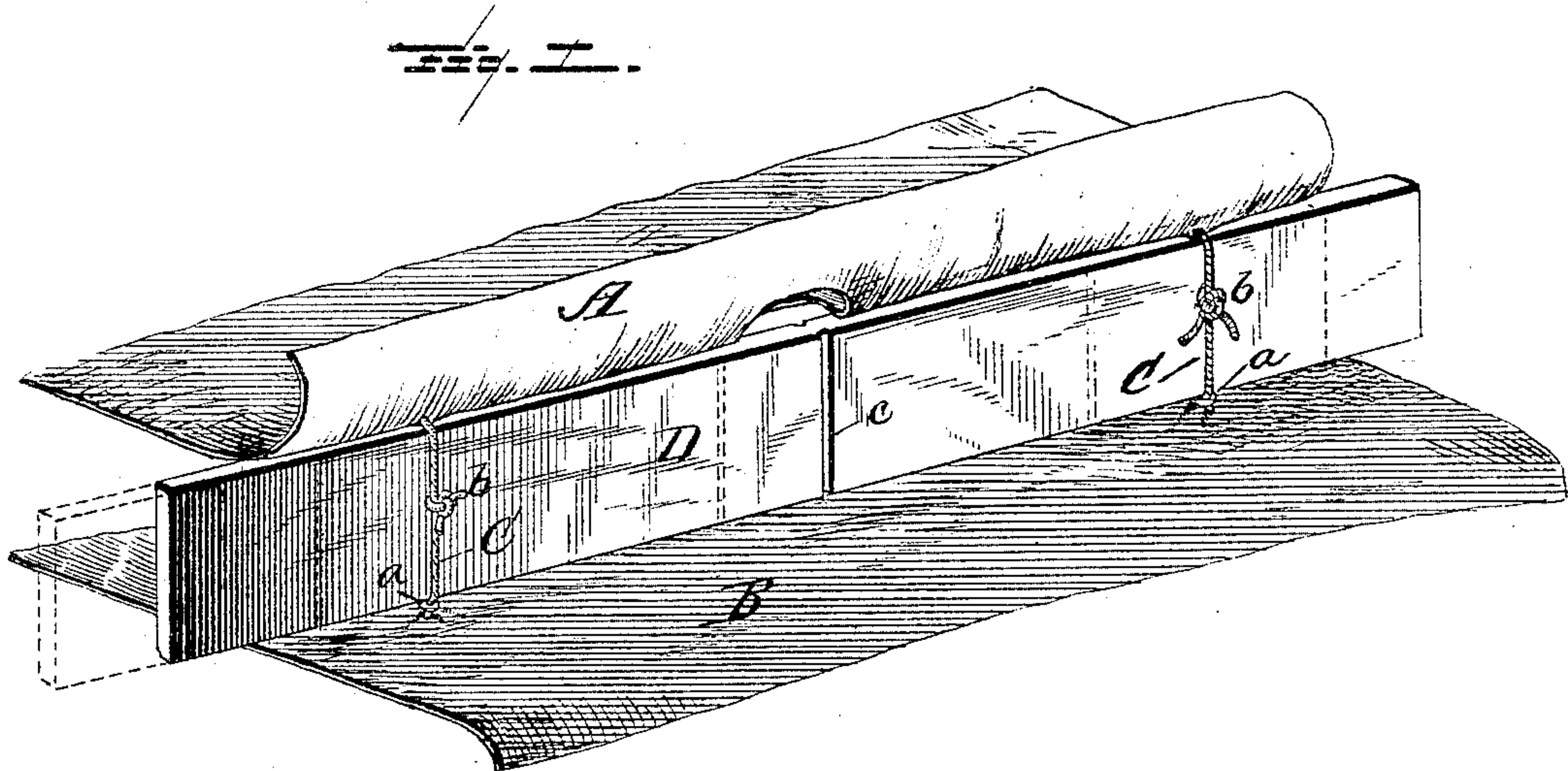


(No Model.)

L. ASHBY.  
MANUFACTURE OF MATTRESSES, PILLOWS, &c.

No. 454,445.

Patented June 23, 1891.



Witnesses  
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# UNITED STATES PATENT OFFICE.

LOUISA ASHBY, OF LAFAYETTE, INDIANA.

## MANUFACTURE OF MATTRESSES, PILLOWS, &c.

SPECIFICATION forming part of Letters Patent No. 454,445, dated June 23, 1891.

Application filed January 6, 1891. Serial No. 376,919. (No model.)

*To all whom it may concern:*

Be it known that I, LOUISA ASHBY, a citizen of the United States, residing at Lafayette, in the county of Tippecanoe and State of Indiana, have invented certain new and useful Improvements in Manufacture of Mattresses, Pillows, Cushions, &c.; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

Figure 1 of the drawings represents a perspective view of my invention, showing the manner of connecting together the two pieces of canvas or other material which form the top and bottom of a mattress; Fig. 2, a cross-section on an enlarged scale; Fig. 3, a sectional view of a portion of a mattress after being completed in accordance with my invention.

The object of the present invention is to provide a method of making or constructing mattresses, pillows, cushions, down comforts, and other like articles having a filling of feathers or hair and other material usually employed in their construction.

It is the purpose of the invention to materially facilitate the construction both in the time necessary to complete the article and insuring a superior article, both in finish and durability, and consequently materially enhancing their value.

In the construction of these articles the two pieces of duck or fabric, which form the top and bottom thereof, are shown at A B, and may be of any material desired, the material not entering into the invention. Now, in order to connect these two pieces of material together previous to filling between them with feathers, hair, or the like, it is necessary that the space between the pieces should be uniform over the entire surface, so that when filled and the article completed it will be of uniform thickness throughout its length and breadth. This was insured to some extent by forming cells between the pieces which constituted the top and bottom covering of the article, which was accomplished by sewing strips at certain distances apart to the inner sides of the pieces and then filling in between them. The above manner of construction was accompanied with

some difficulty. Besides it did not produce an article having the desirable qualities of strength and durability, while the common method of sewing through the mattress after it had been filled was open to many objections both in the time and care required in producing a satisfactory article.

In order to facilitate the manufacture of articles of this class and render them both strong and durable, as well as pleasing to the eye as a piece of finished work, I will proceed to describe the manner of construction embodied in my invention.

Lengths of cords C of the desired strength and thickness are first secured to one of the pieces constituting one side of the mattress or other article, as shown at B, and fastened thereto by knotting, as shown at *a*, these lengths of cords being first connected throughout the length and breadth of the piece at suitable distances apart. This being first done, a form D is brought into use, which consists of a strip of wood or other material of any desired thickness and of the required width to secure the necessary space for filling and the desired thickness of the article. This form D is placed along a line of the cords C resting on the knots *a*, and the cord passes around the form and connected to the piece A, forming the top covering of the mattress or other article, after which the ends of the cord are tied together, as shown at *b*. This being done and all the cords along the line of the form tied, the form is withdrawn and in like manner another line of cords secured to the piece A and tied as before. The several lengths of cord being secured in the same manner as above described, the mattress or other article is ready to be filled with feathers, hair, or other material used, and when it is properly filled the sewing and finishing of the article are accomplished in a very short time, which are done in the usual manner.

In order to prevent the cords slipping laterally the form is provided with transverse grooves *c*, thereby forming seats for the cords on both sides of the form D.

By the employment of the form above described a uniform space between the top and bottom coverings of the mattress or other article is formed, and when filled and completed



the article will be of the same thickness throughout its length and breadth and have a neat and finished appearance.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The method herein described of constructing mattresses, pillows, cushions, down comforts, and other like articles, consisting in first securing lengths of cord to one of the pieces forming the sides thereof at certain distances apart, placing a form of wood or other rigid material over the line of cords and bringing them around it and securing it to the piece forming the other one of the sides and fastening the ends together, and then withdrawing the form, filling, and completing by sewing in the ordinary manner, substantially as set forth.

2. The herein-described method of con-

structing mattresses and the like, which consists in first passing lengths of cords through one side of the mattress, knotting said cords between their ends upon the inner face of said side, placing a rigid form between the two sides of the mattress, passing one end of the cords through the opposite side of the mattress to which it is knotted, thence around the form and uniting the ends of the cords between the sides of the mattress, and then withdrawing the form, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LOUISA ASHBY.

Witnesses:

NELLIE B. ASHBY,  
JOHN R. COFFROTH.