

(No Model.)

A. FOX, Dec'd.  
W. G. HENDERSON, Administrator.  
DOWN QUILT.

No. 390,300.

Fig. 1. Patented Oct. 2, 1888.

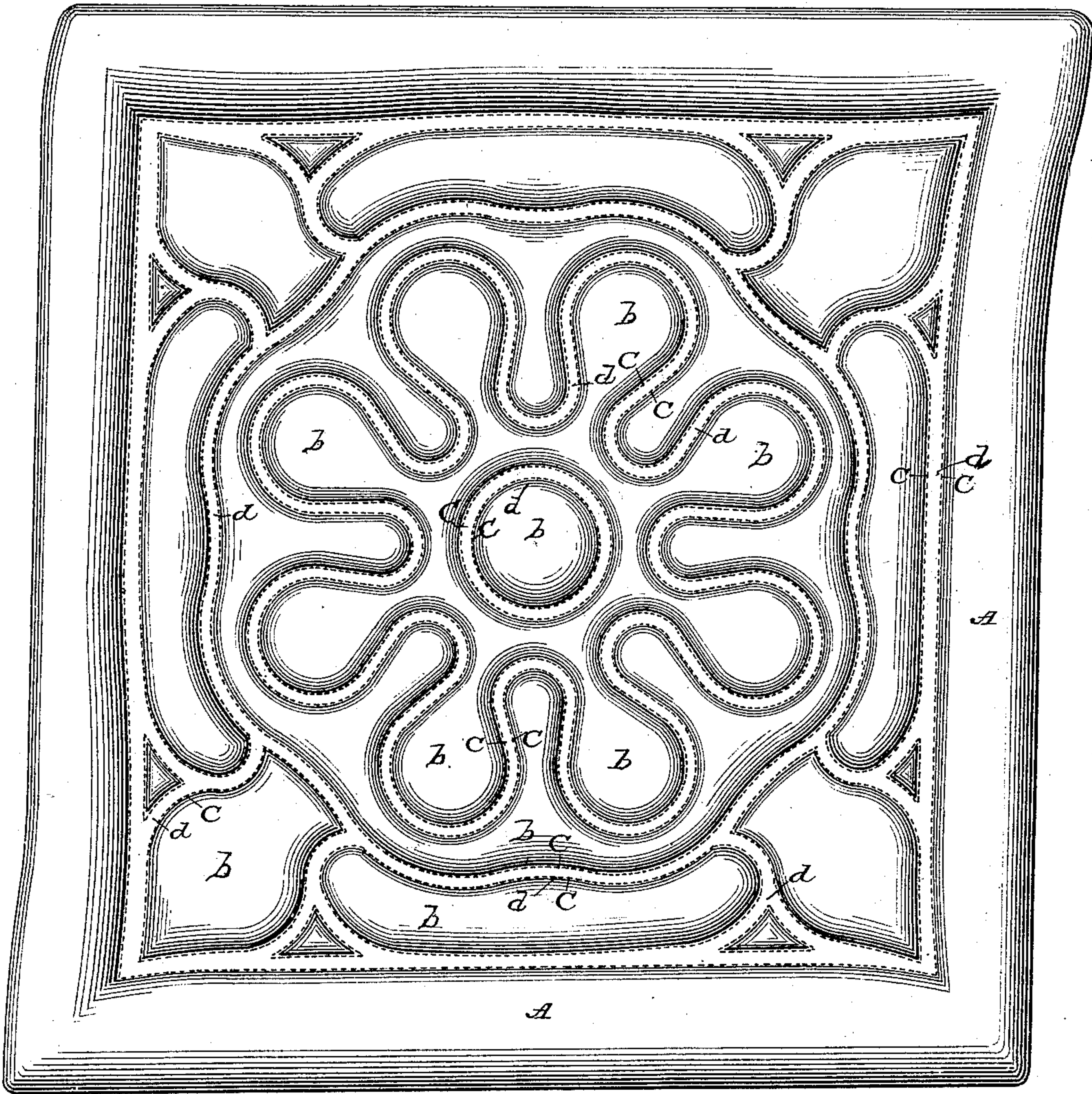
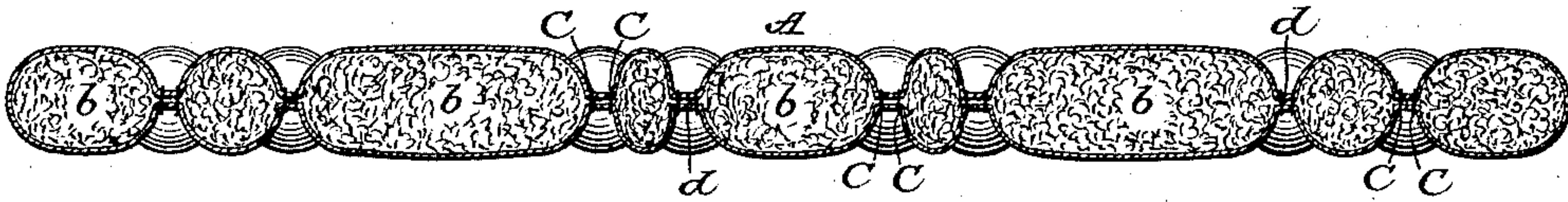


Fig. 2.



Attest:  
*A. N. Jespersen.*  
Leland M. Burr.

Adam Fox  
Inventor:  
William G. Henderson  
Administrator  
By David A. Burr Atty.



# UNITED STATES PATENT OFFICE.

WILLIAM G. HENDERSON, OF WASHINGTON, DISTRICT OF COLUMBIA, ADMINISTRATOR OF ADAM FOX, DECEASED.

## DOWN QUILT.

SPECIFICATION forming part of Letters Patent No. 390,300, dated October 2, 1888.

Application filed February 27, 1888. Serial No. 265,473. (No model.) Patented in England April 4, 1884, No. 5,929.

*To all whom it may concern:*

Be it known that I, WILLIAM G. HENDERSON, of Washington city, in the District of Columbia, am the administrator of ADAM FOX, late of the city of Manchester, England, and that said ADAM FOX did invent certain new and useful Improvements in Down Quilts and Clothing, for which Letters Patent were granted to him in England April 4, 1884, No. 5,929; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a plan view of a down quilt made according to this invention, and Fig. 2 a transverse section thereof in line *x x* of Fig. 1.

Down quilts and other down clothing are at present generally made by stitching together two pieces of material to hold the interposed down, and such stitching is now generally arranged in patterns of quilting and in small compartments, so that the down may be equally distributed and kept in its place throughout the quilt or garment. It has been found, however, that there is a want of ventilation in such quilted articles.

The importance of free ventilation in coverings for the bed and body is well recognized. The interposition of down between the facing pieces in the manufacture of quilts prevents this desirable ventilation, so that a covering wholly stuffed with down in manner as heretofore practiced, although light and warm, combining in fact the warmth of three blankets in less than the weight of one, is nevertheless subject to the objection which applies to garments or coverings of india-rubber—viz., of being wholly impervious to air.

The object of the present invention is to remedy this defect, and to combine all the desirable qualities of a woolen blanket with the warmth, lightness, softness, and comfort of a down quilt.

It consists of making a double instead of a single row of stitching in producing the quilted patterns in the improved coverings and in excluding the down or stuffing material from between such double row of stitching. By this means spaces are distributed all over the quilt or garment, which, being unfilled with down,

allow of ventilation and, furthermore, add to its beauty. The double row of stitching is made wider or narrower, according as it is desirable to have more or less ventilation in the article, and in a down quilt it is recommended that such rows of stitching should be one quarter of an inch apart, so that a space of this dimension may be available for ventilation over the surface of the quilt where the same is stitched.

In the accompanying drawings, A A represent the body of the quilt stuffed with down.

C C are the double lines of stitching by which the body of the quilt is divided into compartments *b b*, of any desired configuration as may be required to produce any variety of designs in relief upon the quilt.

The spaces *d* between the double parallel rows of stitches C C are left unfilled with down, and being comparatively thin afford means for the ready passage of air through the quilt from side to side, and consequently permit ventilation therein, which is prevented in the spaces filled with down.

The compartments or pockets *b b* are filled with down, in the customary manner, through openings left for the purpose when the quilt is stitched, said openings being subsequently separately stitched up and closed.

The above arrangement of quilting is available for any article made up with any description of wadding, as well as of down.

Having now particularly described and ascertained the nature of the said invention of ADAM FOX and in what manner the same is to be performed, I claim as his invention—

A quilted fabric composed of the stuffed portions *b b*, the double rows of stitches C C between said receptacles, and the intervening plain unstuffed spaces *d d*, substantially in the manner and for the purpose herein set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM G. HENDERSON,  
*Administrator of Adam Fox, deceased.*

Witnesses:

ALFRED T. GAGE,  
W. C. DUVALL.