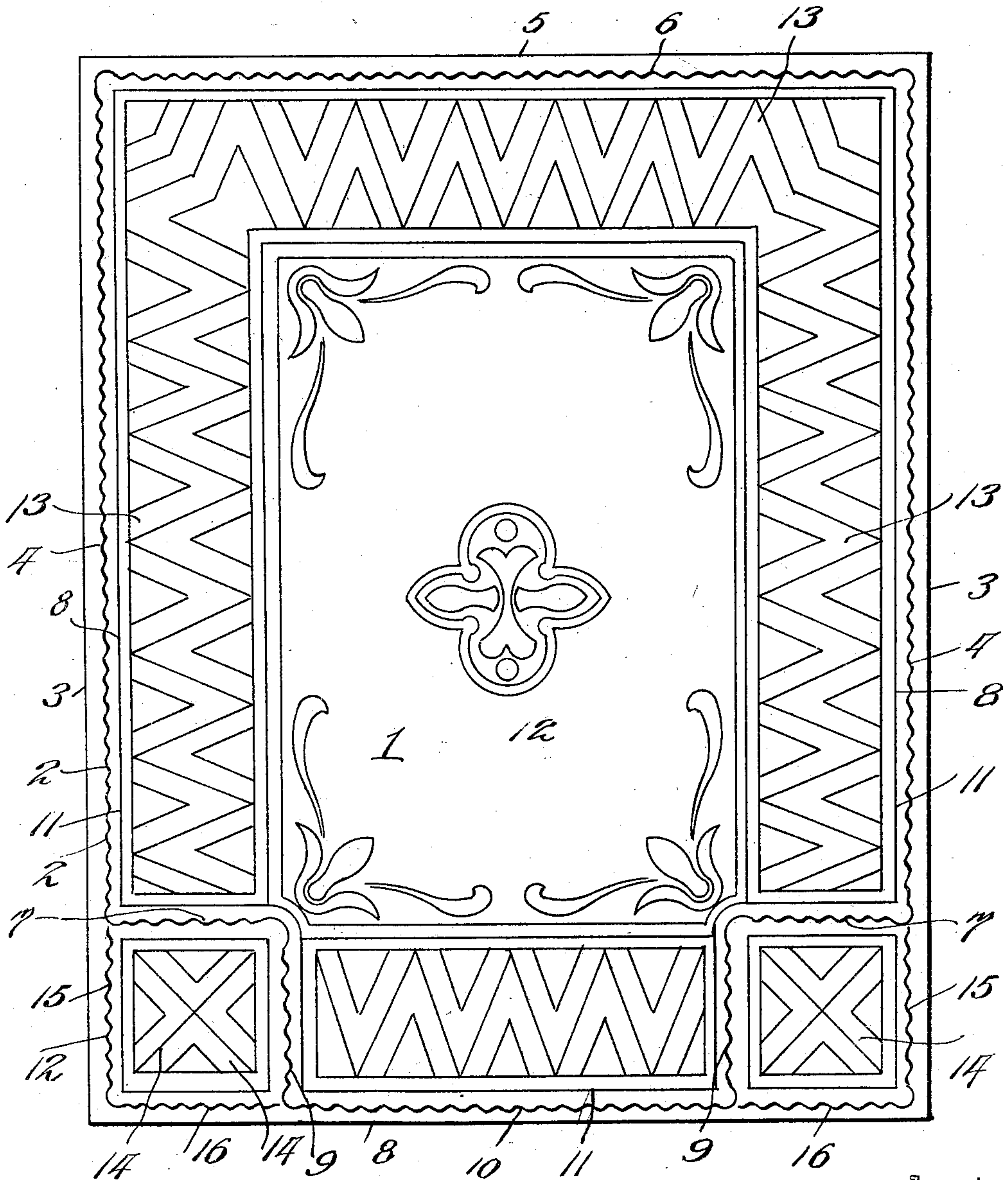


No. 879,737.

PATENTED FEB. 18, 1908.

C. L. CHRISTMANN.
WOVEN FABRIC.

APPLICATION FILED MAY 2, 1907.



Inventor

Charles L. Christmann

Witnesses

Georg H. Mann
H. Allen

By

Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

CHARLES L. CHRISTMANN, OF ENGLEWOOD, NEW JERSEY.

WOVEN FABRIC.

No. 879,737.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed May 2, 1907. Serial No. 371,435.

To all whom it may concern:

Be it known that I, CHARLES L. CHRISTMANN, a citizen of the United States, residing at Englewood, in the county of Bergen and State of New Jersey, have invented new and useful Improvements in Woven Fabrics, of which the following is a specification.

The invention relates generally to an improvement in woven fabrics and more particularly to a fabric so woven as to produce a design which will permit the use of the resultant article in its original form or in a cut-corner form without destroying the continuity of the design.

The present invention is directed primarily to weaving in a design of any determinate character so as to produce an article which is complete in either of two forms, so that in either form the continuity of the design is maintained and the article perfect and complete.

The article designed to be produced by my improvement is a counterpane or bedspread with the design so woven in that the article is adapted for use in the usual rectangular shape, or is adapted for use with two or more corners cut therefrom to provide depending flaps to fit about the corner posts of the bedstead.

For a more particular understanding of the present invention, reference will be had in the following specification to the accompanying drawings, in which:—The figure represents a plan view of the counterpane or bedspread with the design woven in according to the present invention.

The present invention is directed primarily to improving to a more or less material extent the article described and claimed in a co-pending application filed by me on the 12th of April, 1907, and serially numbered 367,771. For the purposes of the present invention, however, it is desirable that the entire article be specifically described, and while such description is herein given, it is to be understood that this particular application, so far as the claims are concerned relates merely to the improvement.

In carrying out the present invention, it will be understood that the fabric 1 is woven in any usual or preferred manner to provide a fabric section of the proper length and width desired. During the process of weaving the fabric, the design on the surface thereof is woven in, and it is in the produc-

tion of this design that the particular invention herein claimed relates.

In weaving the design I first produce what I term a main design outline 2, gained by weaving into the fabric additional threads 60 along the outline 2. The main design outline extends in parallel relation to the side selvage edges 3 of the fabric section 1, forming what is hereinafter termed major lengths 4. The major lengths terminate some distance from one end 54 of the fabric section, being connected by a continuation of the design outline 2 extending transversely of the fabric section adjacent the end 5, as at 6. At the opposite terminals of the major lengths 4 of the main design outline, the weaving is continued to direct said outline inwardly toward the longitudinal central line of the fabric section for a determinate distance, as at 7, and at the terminal of the length 7 the outline is continued toward the adjacent end 8 of the fabric section, as at 9, the terminals of the lengths 9 of the main design outline being connected by an end length 10 projected in spaced parallel relation with the edge 8 of the fabric section.

The lengths 7 and 9 of the main design outline will be hereinafter termed the minor lengths of said outline, it being noted that they are arranged at approximately right angles to each other and to the contiguous lengths of the main design outline. The main design outline, therefore, includes the major lengths 4 adjacent each side edge of the fabric section, the end lengths 6 and 10 adjacent the ends of the fabric section, and the minor lengths 7 and 9 connecting each major length with the end length 10. Within the main design outline I weave an additional border line 11 which follows the design outline throughout its length and is slightly spaced therefrom at all points. The central or main design 12 of the article, which may be of any form or configuration is included within a space bounded by a line joining the respective junctures of the minor lengths 7 and 9 of the main design outline, so that said central design does not extend to either of the flaps formed by cutting the fabric along the main design outline, as will be hereinafter explained. A border design 13 is woven into the fabric, being included between the major lengths, the end lengths, and the proximate edges of the central design. The border design is thus at no point or part of the

fabric equal in length to the similar dimensions of the fabric section on which the particular border is placed, thereby providing approximately square corners of the fabric section beyond the main outline which are not provided with a border design which forms a continuation of the border design within the main design outline. As a part of the present invention, however, the said corners beyond the minor lengths of the main design outline may, if desired, be formed with a design corresponding to the border design within the outline, as at 14, it being understood that this latter design, which may be hereinafter termed the corner design, is spaced to some extent from the minor lengths of the main design outline.

In completed form the article produced by the present invention represents a fabric section of desired length and breadth in which is woven a design including a main design outline of such contour as to leave square or approximately square corner portions of the fabric section beyond the main design outline. There is, therefore, included within this main design outline a central section, corresponding in outline to the outline of the fabric section and having side and end flaps of approximately equal width and lengths respectively to the similar dimensions of the central section. The central section is woven with a design complete in itself, and the flap sections are woven with designs corresponding to each other so that when the free edges of the flaps are arranged in juxtaposition the flap design will be unbroken and the continuity of effect preserved.

So far as described the article and the manner of weaving the same to produce the peculiar design described is practically identical with that described and claimed in the co-pending application hereinbefore referred to. By the present invention I contemplate the addition of the auxiliary design outline including lengths 15 and 16 extended respectively in alinement with the major lengths 4 and end length 10 of the main design outline, said auxiliary outline embracing within the same the corner designs 11. The auxiliary design outline apparently completes the main design outline, so that in effect the design outline extends throughout the length and breadth of the fabric section in spaced parallel relation to the edges of that section. The essential feature of the auxiliary design outline, however, is the termination of the ends of the lengths 15 and 16 of said outline at a slight distance from the proximate ends of the major lengths of the main design outline and of the end length 10 of said outline, as clearly illustrated in the drawing. By this arrangement the articles severed from the fabric section may be cut along the major

lengths of the main design outline, and the end lengths 6 and 10 of said outline and either along the lengths of the auxiliary design outline or along the minor lengths of the main design outline. By the former cut the article when severed will be of approximately rectangular or square contour, while by the latter cut a cut-corner article is produced in which an end and side flaps are provided for a purpose previously noted.

It is, of course, to be understood that the fabric section woven as described in the present invention may if desired be used as an entirety for the bedspread, or it may be cut along the main design outline to produce the cut-corner bedspread, or it may be cut along the noted portions of the main design outline and the auxiliary design outline, producing a bedspread conforming in contour to that of the fabric section, though of slightly less dimensions.

By preference the main design outline and also the auxiliary design outline are of scalloped or wavy configuration, though such outlines may have any desired configuration without departing from the spirit of the present invention. After severing the bedspread to produce an article of either form noted the design outline will, of course, form the edge boundary of the article, and the present invention also contemplates the working out by hand or machinery of such border line, for example by embroidering in white or colored thread.

It is, of course, to be understood that while I have shown and described the article designed and woven to provide but two cut-corners, I contemplate the arrangement necessary to provide four cut-corners, the same requiring but a duplication of the device shown at one end on the opposite end.

The article produced under the present method, therefore, is adapted for either the rectangular bedspread or the cut-corner bedspread, and this without interfering with or affecting the continuity of the design presented.

Having thus described the invention what is claimed as new, is:—

1. As an improved article of manufacture, a bedspread or the like comprising a woven fabric section having a main design outline spaced from the edges of the fabric section and varying from the edge outline of said section, said section also having an auxiliary design outline so disposed with relation to the main design outline as to complete with portions of said main design outline a line of demarcation conforming to the edge outline of the section.

2. As an improved article of manufacture, a bedspread or the like comprising a woven fabric section having a main design outline spaced from the edges of the fabric section and varying from the section edge outline at

determinate points, said section also having an auxiliary design outline arranged adjacent the irregularities in the main design outline and completing with the regular portions of said main design outline a line of demarcation conforming to the edge outline of the section, said auxiliary design outline having its terminals spaced from the adjacent portions of the main design outline, whereby the fabric section may be used in original form, or be severed along the line of the main design outline, or be severed along the auxiliary design outline and the regular portions of the main design outline.

3. As an improved article of manufacture, a bedspread or the like comprising a woven fabric section having a design outline spaced from the edges of the section, said design outline having major lengths extending in approximately parallel relation with the adjacent edges of the fabric section and minor lengths projecting inwardly from the ends of the major lengths, said fabric section also having an auxiliary design outline alined with the major lengths of the main design outline and terminally separated therefrom, said auxiliary design outline being arranged adjacent to and beyond the minor lengths of the main design outline.

4. As an improved article of manufacture, a bedspread or the like comprising a woven fabric section having a design outline spaced from the edges of the section, said design outline having major lengths extending in approximately parallel relation with the adjacent edges of the fabric section and minor lengths projecting inwardly from the ends of the major lengths, said fabric section also having an auxiliary design outline alined with the major lengths of the main design outline and terminally separated therefrom, said auxiliary design outline being arranged adjacent to and beyond the minor lengths of the main design outline, a complete central design arranged within the main design outline and approximately conforming thereto, and edge designs arranged within the main design outline between the central design and major lengths of the main design outline.

5. As an improved article of manufacture, a bedspread or the like comprising a woven fabric section having a design outline spaced

from the edges of the section, said design outline having major lengths extending in approximately parallel relation with the adjacent edges of the fabric section and minor lengths projecting inwardly from the ends of the major lengths, said fabric section also having an auxiliary design outline alined with the major lengths of the main design outline and terminally separated therefrom, said auxiliary design outline being arranged adjacent to and beyond the minor lengths of the main design outline, a complete central design arranged within the main design outline and approximately conforming thereto, and independently complete edge designs arranged within the main design outline between the central design and the major lengths of the main design outline, said edge design approximately conforming in length to the length of the adjacent major lengths of the main design outline and in width to the length of the adjacent minor lengths of the main design outline.

6. As an improved article of manufacture, a bedspread or the like comprising a woven fabric section having a design outline spaced from the edges of the section, said design outline having major lengths extending in approximately parallel relation with the adjacent edges of the fabric section and minor lengths projecting inwardly from the ends of the major lengths, said fabric section also having an auxiliary design outline alined with the major lengths of the main design outline and terminally separated therefrom, said auxiliary design outline being arranged adjacent to and beyond the minor lengths of the main design outline, a complete central design arranged within the main design outline and approximately conforming thereto, edge designs arranged within the main design outline between the central design and the major lengths of the main design outline, and independently complete designs arranged beyond the main design outline and within the auxiliary design outline.

In testimony whereof, I affix my signature in presence of two witnesses.

CHARLES L. CHRISTMANN.

Witnesses:

ALEX. LIVINGSTON, Jr.,
H. BUTWHISTLE.