No. 676,446. Patented June 18, 1901.

G. RUMPF & C. H. WITTY.

COUNTERPANE, COVERLID, OR LIKE WOVEN FABRIC.

(Application filed Mar. 11, 1901.)

(No Model.)

Fig. 1.

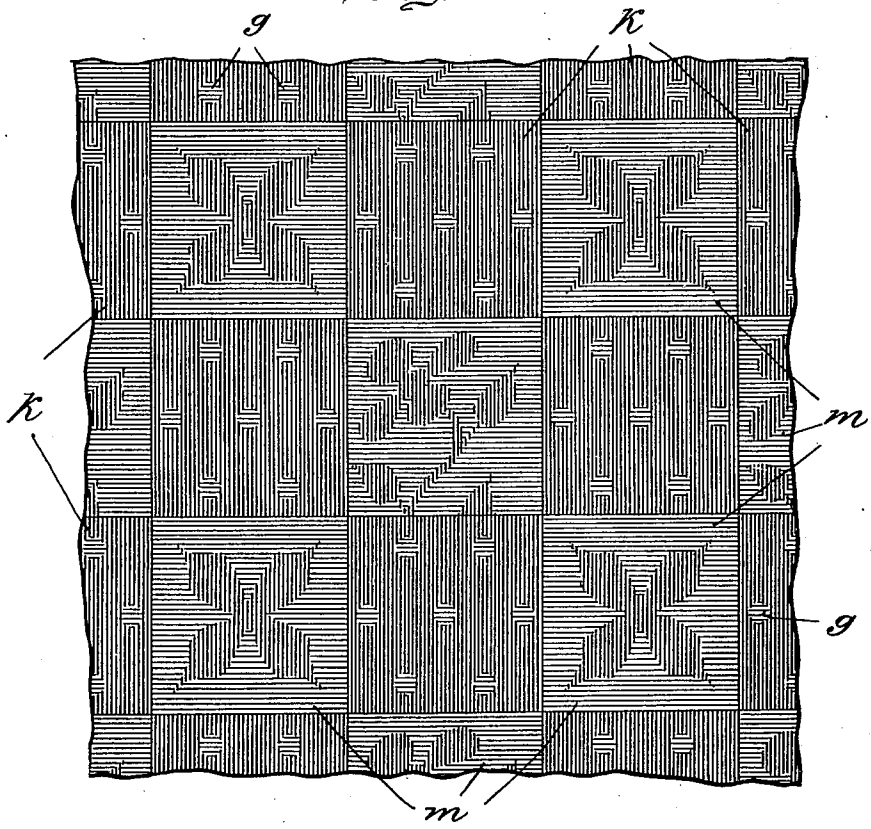


Fig. 2.

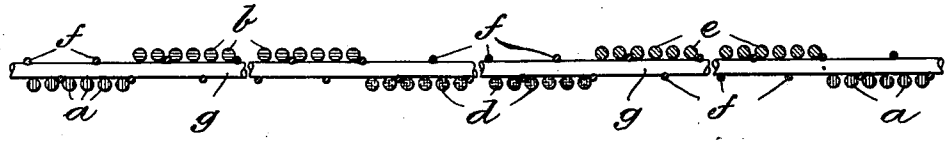
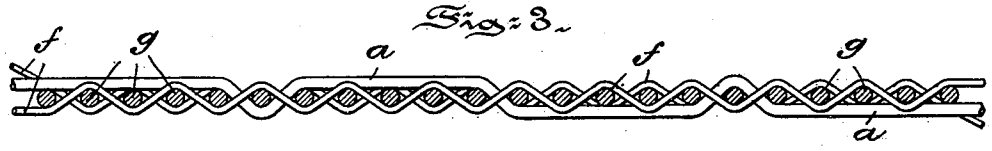


Fig. 3.



Witnesses:
Wilhelm Vogt
Thomas M. Smith

Inventors:
Gustave Rumpf and
Chas H. Witty
By
J. Walter Douglass
Attorney.

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UNITED STATES PATENT OFFICE.

GUSTAVE RUMPF AND CHARLES H. WITTY, OF PHILADELPHIA, PENNSYLVANIA.

COUNTERPANE, COVERLID, OR LIKE WOVEN FABRIC.

SPECIFICATION forming part of Letters Patent No. 676,446, dated June 18, 1901.

Application filed March 11, 1901. Serial No. 50,544. (No model.)

To all whom it may concern:

Be it known that we, GUSTAVE RUMPF and CHARLES H. WITTY, citizens of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Counterpanes, Coverlids, or Like Woven Fabrics, of which the following is a specification.

Our invention has relation to a woven counterpane or coverlid fabric, and in such connection it relates more particularly to the arrangement of the threads constituting the structure of the fabric.

The principal object of our invention is to so arrange and weave the warp and weft threads of a counterpane fabric that the completed fabric will be made up of blocks of varying colors and designs so woven as to successfully imitate a "crazy-quilt" effect. To accomplish this object, we arrange the warp figuring and coloring threads in groups of varying colors, each group containing a sufficient number of threads of one color to make if woven to appear continuously on one face of the fabric, a band or stripe of a width corresponding to the width of the squares or blocks making up the completed fabric, and in conjunction with these groups a tying warp-thread and a series of weft-threads are used, forming a single weft plane fabric, and the warps and wefts manipulated to form blocks, either plain or figured.

The nature and scope of our invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a plan view of a portion of the completed fabric embodying the main features of our invention. Fig. 2 is a sectional view taken parallel with the weft and across the warp threads, and Fig. 3 is a similar view taken parallel with the warp and across the weft threads.

Referring to the drawings, *a*, *b*, *d*, and *e* are the groups of warp-threads, the group *a* being red, the group *b* blue, the group *d* yellow, and the group *e* green. In conjunction with these main warp figuring and coloring threads there are used a series of light binder or tying warp-threads *f*, preferably arranged one to every two threads *a*, *b*, *d*, or *e* in each group. The weft-threads *g* lie in a single plane and are preferably of uniform color throughout the fabric. In the formation of the fabric the warp-threads of any one group are arranged to form, in conjunction with the weft-threads, a series of blocks or squares *k* and *m*, the squares *k* having the ground or prevailing color of the square formed of the warps of that group *a*, *b*, *d*, or *e* which form the square, while the pattern of said square *k* is formed of the weft-threads *g*. The squares *m*, however, have the ground formed of weft-threads *g* and a design outlined in the colored warps *a*, *b*, *d*, or *e* of that group. The blocks or squares *k* and *m* are arranged alternately in checker-board or crazy-quilt fashion, the prevailing colors being, however, arranged in lines or bands broken up into alternate squares *k* and *m*. In the fabrication of the counterpane the colored warps *a*, *b*, *d*, and *e* float under the weft-threads *g* when said weft-threads are to form the ground of the square *m* and also under the weft-threads *g* when the weft-threads are to form the pattern of the squares *k*. The weft-threads *g* tie the colored warps *a*, *b*, *d*, and *e*, and the weft-threads *g* in turn are tied by the light binder warp-threads *f*, preferably arranged one to every two colored warp-threads. The resultant single-weft plane fabric successfully imitates the variegated and checker-board arrangement of the well-known crazy-quilt, and by suitable manipulation of the figuring-warps and of the weft-threads varying patterns upon a plain or colored ground can readily be obtained.

Having thus described the nature and object of our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A woven counterpane or similar fabric, comprising main warp-threads, weft-threads and tying or binder warp-threads arranged to form bands or stripes of varying colors, each band or stripe being broken up into blocks or squares, the ground of alternate blocks or squares being formed respectively of warp and of weft threads, and the figure or pattern of alternate blocks or squares being formed respectively of weft and of warp threads.

2. A woven imitation crazy-quilt or counterpane, comprising a series of groups of main warp-threads, each group being of a color different from that of adjacent groups and the groups arranged to form stripes or bands in the fabric, a series of main weft-threads arranged to break up the stripes or bands into squares, alternate squares having the ground formed respectively by warp and by weft threads, each alternate square having a figure or pattern formed respectively by weft and by warp threads, and the whole bound together by light binder warp-threads.

3. A woven counterpane or similar fabric, comprising a single plane of weft-threads and a series of groups of colored warp-threads, each group being of a different color and arranged in stripes across the fabric, each stripe being broken up into squares or blocks by the weft-threads, alternate squares or blocks of each group having their ground formed by floating warp-threads and by floating weft-threads, and each alternate block or square having a design formed respectively by floating weft-threads and by floating warp-threads.

In testimony whereof we have hereunto set our signatures in the presence of two subscribing witnesses.

GUSTAVE RUMPF.
CHAS. H. WITTY.

Witnesses:
MILTON M. SCHULTZ,
WILLIAM SUMNER.