

No. 715,521.

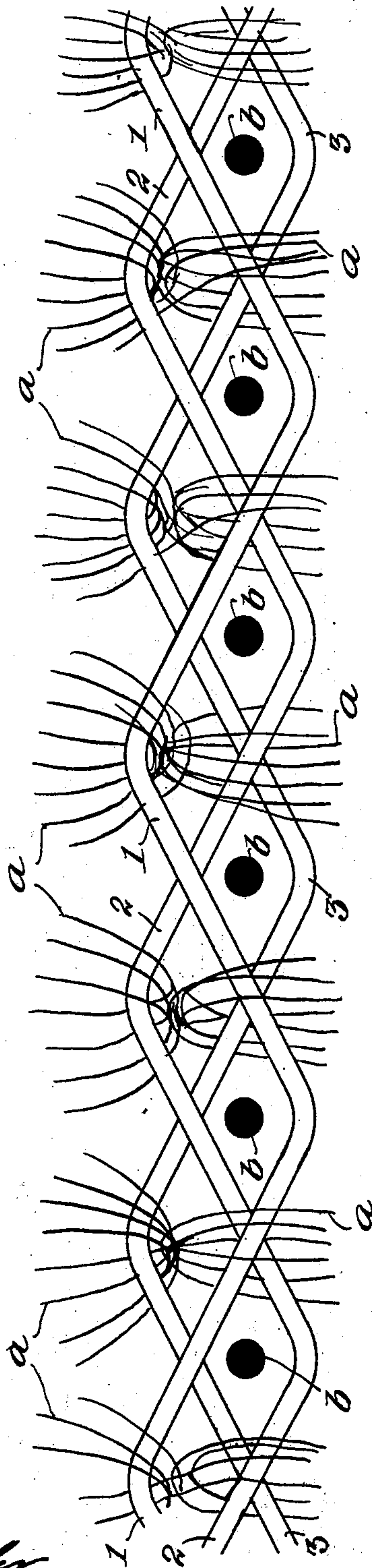
Patented Dec. 9, 1902.

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WOVEN PILE FABRIC.

(Application filed Feb. 12, 1902.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

ROBERT R. TWEED AND HARRY J. MACKINTOSH, OF AUDUBON,
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WOVEN PILE FABRIC.

SPECIFICATION forming part of Letters Patent No. 715,521, dated December 9, 1902.

Application filed February 12, 1902. Serial No. 93,662. (No specimens.)

To all whom it may concern:

Be it known that we, ROBERT R. TWEED and HARRY J. MACKINTOSH, citizens of the United States, and residents of Audubon, Camden county, New Jersey, have invented certain new and useful Improvements in Woven Pile Fabrics, of which the following is a specification.

Our invention relates to improvements in woven pile fabrics, and more particularly to improvements in single-faced pile fabrics, the object of our invention being to furnish an inexpensive and durable chenille-faced hard-backed rug or carpet, the face of which will show, as usual, the figures of the design in the projecting pile of chenille and the back or under side of which will indistinctly show the same figures as is done on certain of the oriental single-faced pile fabrics.

In the accompanying drawing, forming part of this specification, a diagrammatic view of our new weave is shown.

1, 2, and 3 are warp-threads.

a represents the chenille-threads, and *b* filling or jute threads.

Starting at the left it will be observed that the thread 1 passes over the first chenille-thread *a*, then down and over the first filling-thread *b*, then under the second chenille-thread, down and under the second filling-thread, up and under the third chenille-thread, over the third filling-thread, over the fourth chenille-thread, and so on. The thread 2 passes under the first chenille-thread *a*, under the first filling-thread *b*, under the second chenille-thread, over the second filling-thread, over the third chenille-thread, down and over the third filling-thread, under the fourth chenille-thread, under the fourth filling-thread, and so on. The third warp-thread passes under the first chenille-thread, over the first filling-thread, over the second chenille-thread, down and over the second filling-thread, under the third chenille-thread,

under the third filling-thread, under the fourth chenille-thread, over the fourth filling-thread, over the fifth chenille-thread, and so on. The three warp-threads form two sheds, in one of which the chenille and in the other of which the filling threads are held. The chenille and the jute or filling threads are separated by one plane of warp or binder threads, and the whole fabric is bound together by three planes of binder-threads, which successively engage every third chenille and every third filling thread.

There are no floating threads in the fabric, which carries the chenille-threads in the upper and the filling-threads in the lower shed, permitting a certain amount of the chenille when the fabric is beaten up to pass the filling-threads and to show on the back, and the fabric, while essentially single-faced, shows an indistinct duplication on the back of the pattern formed by the projecting chenille on its face.

Having thus described our invention, we claim—

The herein-described single-faced, hard-backed fabric, consisting of a series of warp-threads forming an upper and a lower shed, and each extending successively from the top to the bottom of the fabric, filling-threads arranged in the lower shed and forming the hard back of the fabric, and chenille-threads held in the upper shed and forming the face of the fabric, a portion of the chenille-threads extending between the filling-threads and forming on the hard back of the fabric an indistinct duplication of the pattern formed on the face of the fabric by the body of chenille-threads.

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