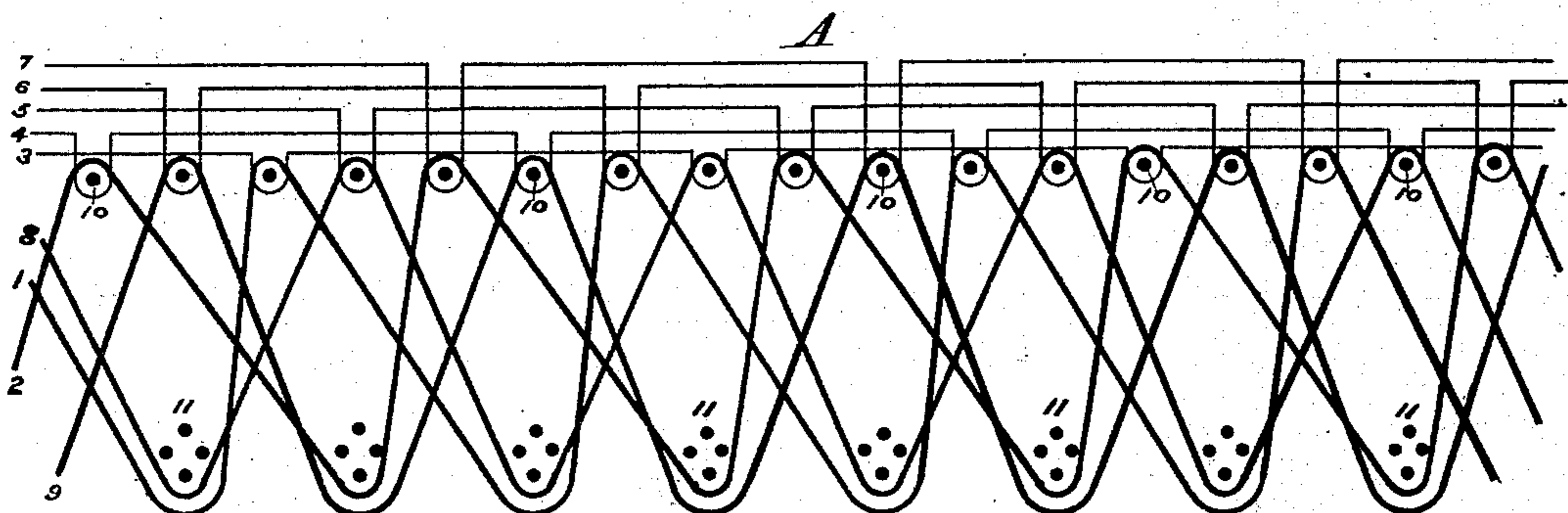


(Specimens.)

R. B. MORRELL.
SATIN FACED FABRIC.

No. 413,534.

Patented Oct. 22, 1889.



WITNESSES:
P. H. Chagel.
James F. Kelly.

INVENTOR:
Richard B. Morrell
BY *Diederichsen & Fuhner*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

RICHARD B. MORRELL, OF PHILADELPHIA, PENNSYLVANIA.

SATIN-FACED FABRIC.

SPECIFICATION forming part of Letters Patent No. 413,534, dated October 22, 1889.

Application filed April 19, 1889. Serial No. 307,833. (Specimens.)

To all whom it may concern:

Be it known that I, RICHARD B. MORRELL, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Satin-Faced Fabrics, which improvement is fully set forth in the following specification and accompanying drawing.

My invention consists of an improved satin-faced tapestry fabric composed of face-warp threads, backing-warp threads, fine pick threads, and backing-weft threads, the face-warp threads being floated to form a satin surface and bound by the fine pick threads, and the backing-weft threads being bound to the fine pick threads by the backing-warps, said backing-weft threads giving body and substance to the backing.

The figure represents a longitudinal section of a piece of fabric embodying my invention.

Referring to the drawing, A designates a piece of satin-faced fabric or tapestry constructed in accordance with my invention, it being composed of satin-warp threads 3, 4, 5, 6, and 7, binding-warp threads 1 8 2 9, fine pick weft-threads 10, and backing-weft threads 11.

It will be seen that the satin-warp threads 3 4 5 6 7 are floated to form a face and surface by passing in succession around the fine

pick weft-threads 10, the said fine pick threads 10 being used to hold the satin face to the body of the fabric, and being bound to the backing-weft threads 11 by the binding-warp threads 1 8 2 9 passing around both of the said wefts. The backing-weft threads 11 are used to give body and substance to the fabric. The binding-warp threads 1 8 2 9 are used to stitch and hold the fine pick weft-threads 10 and backing-weft threads 11 together, and the said backing-warp threads pass alternately above the fine pick weft-threads and in pairs beneath the backing-wefts 11.

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

An improved satin-faced tapestry fabric composed of face-warp threads, backing-warp threads, fine pick threads, and backing-weft threads, the face-warp threads being floated to form a satin surface, and bound by the fine pick threads, and the backing-weft threads being bound to the fine pick threads by the backing-warps, said backing-weft threads giving body and substance to the backing, substantially as set forth.

RICHARD B. MORRELL.

Witnesses:

JOHN A. WIEDERSHEIM,
JAMES F. KELLY.