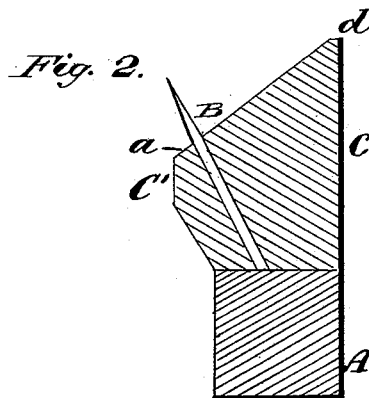
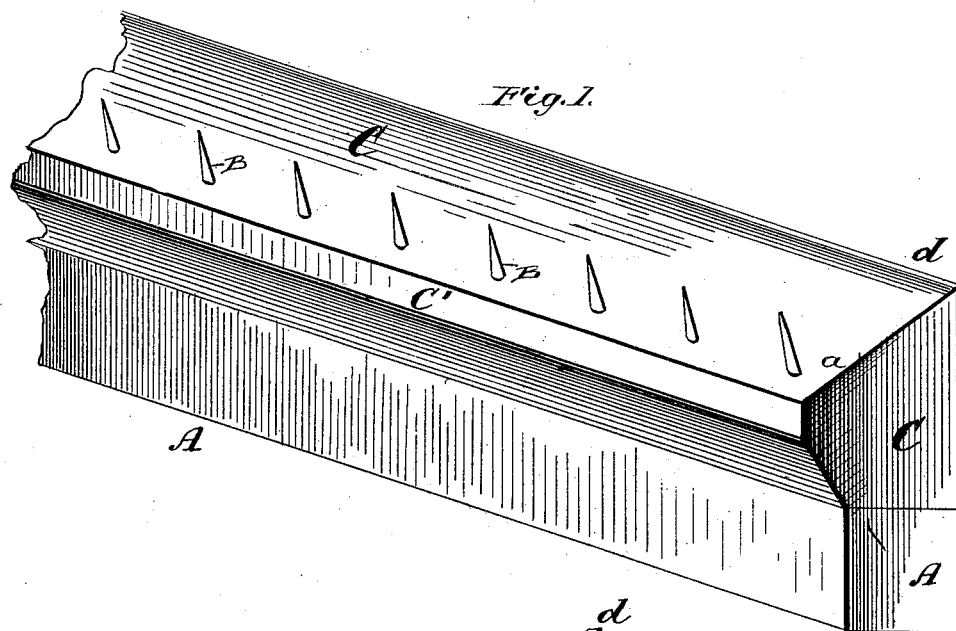


A. SPITZLI & T. J. LACY.  
Tenter Clothing.

No. 221,369.

Patented Nov. 4, 1879.



Witnesses  
*Red. G. Dietrich*  
*August Peterson*

Inventors:  
*Alfred Spitzli*  
*Thomas J. Lacy*  
 by *Louis Bagger & Co.*  
 Attorneys

# UNITED STATES PATENT OFFICE.

ALFRED SPITZLI AND THOMAS J. LACY, OF WEST TROY, NEW YORK;  
SAID SPITZLI ASSIGNOR TO SAID LACY.

## IMPROVEMENT IN TENTER-CLOTHING.

Specification forming part of Letters Patent No. **221,369**, dated November 4, 1879; application filed March 8, 1879.

*To all whom it may concern:*

Be it known that we, ALFRED SPITZLI and THOMAS J. LACY, both of West Troy, in the county of Albany and State of New York, have invented certain new and useful Improvements in Tenter-Clothing; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of one of the bars or beams of a tenter-frame for stretching cloth having our improvement applied thereto, and Fig. 2 is a cross-section of the same.

Similar letters of reference indicate corresponding parts in both the figures.

This invention appertains to certain improvements in that class of devices termed technically "tenter-frames" or "tenter-bars," which are used for stretching cloth; and it consists in an improved construction of the clothing of said bars, as hereinafter more fully set forth, and particularly pointed out in the claim.

As heretofore made tenter-clothing has a flat or smooth face provided with a row or series of vertical pins, which are inserted through the selvage-edges of the cloth previous to the operation of stretching; or, in some cases, the bar or clothing, instead of being flat, is many-sided or polygonal in cross-section, and the cloth-holding pins are inserted into one of the inclined or sloping faces of the bar, from which they project slantingly and outwardly.

Our improved clothing combines the advantage of this last-named construction, as hereinafter set forth, with that of having a sharp edge or ridge, over which the cloth laps on both sides of the frame, which said ridge, in stretching, bears against the under side of the fabric along each of its edges, the extreme ends of which are held firmly by the inclined rows of pins.

In the drawings hereto annexed, the letter

A represents one of the bars of a tenter-frame, and C is our improved clothing. This consists of a wooden slat or bar with a smooth and flat under side to fit the flat top of the bar A, upon which it is secured, an inner side or face at right angles to the base, a downwardly and outwardly sloping top, *a*, which terminates in a narrow ledge, C', overlapping the bar A.

B B are the cloth-holding pins or hooks, which are set into the sloping face *a* of the clothing, so as to project outwardly, as clearly shown in the drawings, their points falling below the top edge or ridge *d*. This arrangement of the pins draws the cloth inserted upon them toward their base, allowing them to get a firm hold without danger of the cloth or fabric to be stretched slipping off; but at the same time the sharp edge or ridge *d* will bear against the under side of the fabric along each of its edges, and thereby, as it were, equalize the strain caused by the pins at regular intervals, there being a downward tendency of the fabric against said sharp edge or ridge, on account of the pins B drawing the cloth from a row of points some distance below said ridge.

Having thus described our invention, we do not claim, broadly, tenter-clothing having an inclined or sloping face provided with a row of inclined outwardly-projecting pins; but

We claim as our improvement and desire to secure by Letters Patent of the United States—

The tenter-clothing C, having a sharp top edge or ridge, *d*, and a beveled or sloping face, *a*, provided near its lower edge with a series of inclined outwardly-projecting pins, B, substantially as set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

ALFRED SPITZLI.  
THOMAS J. LACY.

Witnesses:

JOHN CLOTWORTHY,  
JNO. W. LYON.