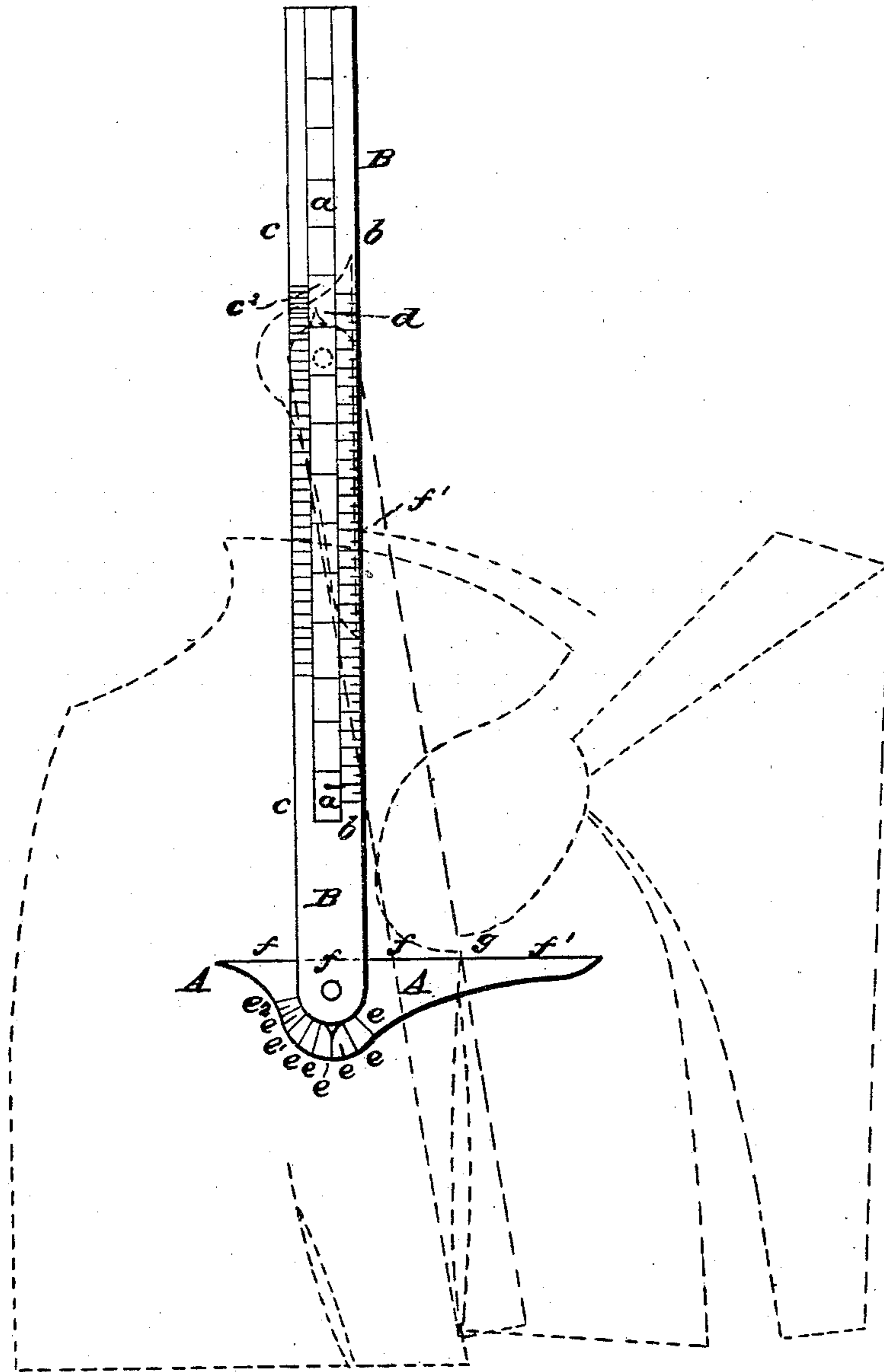


D. TIERNEY.

Tailors' Measure.

No. 78,338.

Patented May 26, 1868.



Witnesses:

W. C. Ashkettle
H. A. Morgan

Inventor:

B. Tierney
per Munn & Co
attorneys.

United States Patent Office.

DANIEL TIERNEY, OF NEW YORK, N. Y.

Letters Patent No. 78,338, dated May 26, 1868.

IMPROVEMENT IN TAILORS' SQUARES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DANIEL TIERNEY, of New York, in the county and State of New York, have invented a new and improved Tailors' T-Square; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The drawing represents a plan or top view of my improved T-square.

This invention relates to a new instrument, which is designed to facilitate the drawing of designs upon cloth, in obedience to actual or computed measurements.

The invention consists in the use of a T-square, the bar or ruler of which is pivoted to the cross-piece. The bar is provided with an index-hand, moving over an arc, marked on the cross-piece with a series of subdivisions, which indicate the angle of the bar to produce certain lines for the production of certain designs of garments. The straight edge of the cross-piece is also provided with marks, which regulate the position of the cross-piece on certain lines. The bar is provided with a series of graduated scales, to facilitate the measuring of distances from the cross-piece.

A, in the drawing, represents the cross-piece of a T-square. B is the bar or ruler, pivoted to the cross-piece. On the bar B is marked a division, *a*, showing inches, and their parts, and two or more graduated scales, *b c*, are also marked thereon, of which one may show the prepared arm-measurement, the other that of the shoulder.

On the pivoted end of the bar B is a pointer, *d*, which shows, on a series of marks, *e e*, that are made on the face of the cross-piece, the required position of the bar. Thus, for example, if the breast-line of a coat is taken for a base, and the shoulder wants to be measured, the bar is, as in the drawing, held at right angles to the cross-piece. Then an arc is described, with the distance from breast to neck for a radius, and, as soon as the pointer *d* reaches the mark *e*, the bar is stopped, and the shoulder-point is found.

The various other marks, *e*, serve to produce the required angles for various other portions of garments. On the straight edge of the cross-piece are also shown marks, *f f*, which regulate the position of the cross-piece. Thus, for example, when the line from the breast to the neck has been drawn, and the direction of and distance to the arm-pit is to be found, the cross-piece is, as shown by red lines, laid with its straight edge against the perpendicular line, and with the mark *f'* against the point of neck previously found, and, when then the bar is turned, to bring the pointer upon the mark *e'*, and the requisite distance is measured, the point *g* will be found, which gives the exact position of the arm-pit. The various other marks, *e*, serve to regulate the position of the cross-piece for finding other points and positions. The marks *e* may, if desired, be marked on the back end of the bar B, in which case a pointer will be fixed to the cross-piece.

I claim as new, and desire to secure by Letters Patent—

A tailors' T-square, consisting of the cross-piece A, to which the bar or ruler B is pivoted, the bar having suitable graduated scales, *a b c*, and a pointer, *d*, or its equivalents, and the cross-piece being provided with marks *e*, or their equivalents, on its surface, and with marks *f* on its front edge, all arranged as set forth, for the purpose specified.

DANIEL TIERNEY.

Witnesses:

WM. F. McNAMARA,
ALEX. F. ROBERTS.