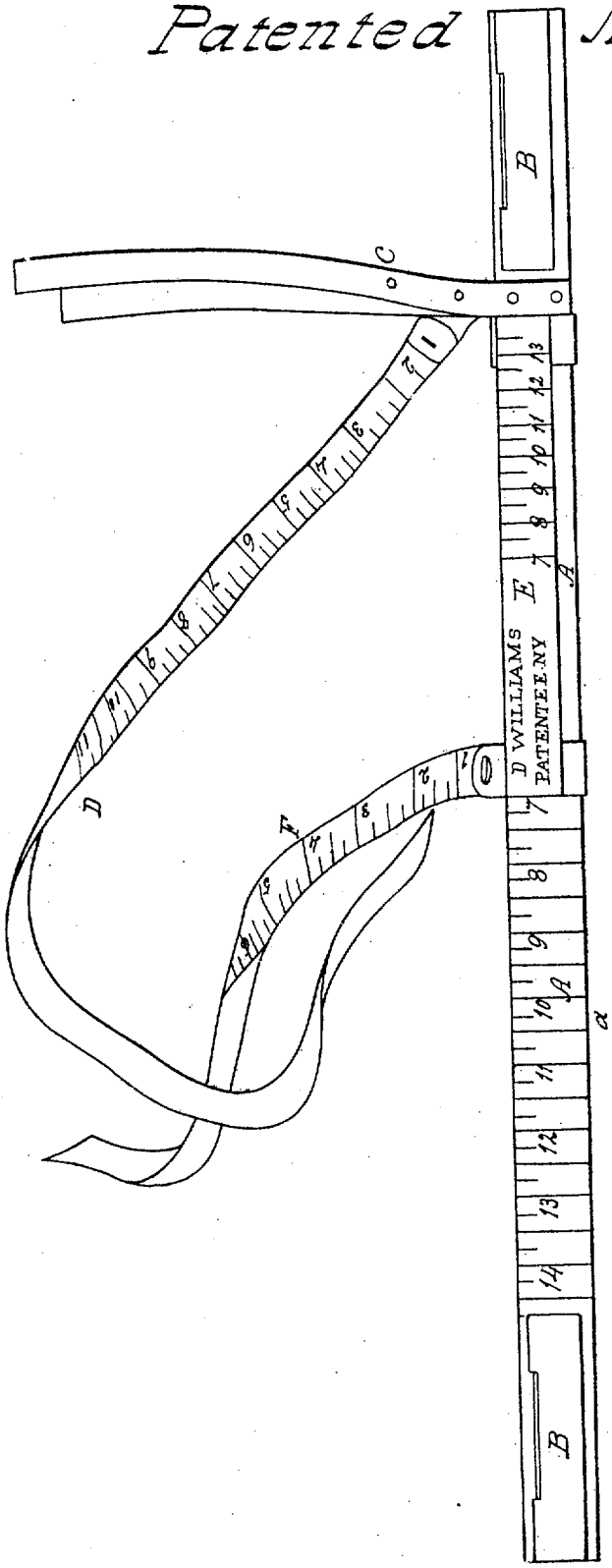
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D. Williams.

Tailors' Measure.

No. Patented May 22. 1833



7591X May 22. 1833 253.

Daniel Williams of the City of New York
Letters Patent May 22. 1833.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Daniel Williams himself in the Art of Tailoring.

To all whom these presents shall come Be it known that Daniel Williams of New York in the County of New York and State of New York have invented a new and useful machine and improvement in the art of Tailoring called the Mathematical Measurer and that the following is a full and exact description of the Construction and operation of the said Machine as invented by me.

1st A piece of Spring Steel or other metal about twenty one inches long more or less and about an inch and a quarter wide and forming a Strap. 2d To each end of this Strap is attached a Spirit level placed in a small block of mahogany or other wood for the purpose of adjusting the instrument wherein it is in use in a line exactly parallel with the horizon. 3d A stem or upright piece of metal attached to the Strap near the right hand end and at right angles with its upper edge to which is fastened a tape measure not less than eighteen inches long. 4th The first described piece of metal or Strap is divided into inches and half inches commencing at the upright stem and proceeds to the left. 5th A piece of brass about seven inches long divided into half and quarter inches with a band of the same metal attached to each end of it and made to slide on the Steel Strap to the left hand end of which is attached a tape measure not less than ten inches long.

The following is the mode of using the machine. First place the Strap close under the right arm with the upright stem close in front of it taking great care that the coat or the Customer be not in doubled under at the front of the arm so as to prevent the machine from going close to the body. Second Adjust the level on the right hand end of the Strap & bring the bubble fair from end to end and let the customer place the thumb of the right hand on it to keep it on the graduating parts

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the body. Then Place the right hand under the lower edge of the Strap and directly under the right arm with which the Strap is kept tight up to the arm, and it is not to be removed until the level is adjusted on the other end of the Steel and the four following measures are taken which must be done with the left hand. 1st Slide the brass on the Strap to which the left hand end of the Steel shall touch the back Seam of the coat or the Costume and the number of inches it reaches on the Strap is to be entered in the measure book. This we Shall call the cardinal measure.

2d The tape measure on the front end of the Strap is to be pressed up the Shoulder to the prominent bone on the back part of the neck and plan the number of inches in the measure book. This we Shall call the neck measure. 3d Pass now the tape measure over the Shoulder close to the Sleeve head and down to the Strap at the same figure on the brass that was taken from the Strap, when the first or cardinal measure was taken or in other words the same as the figure on the Strap which the end of the brass Still touched. This we Shall call the Shoulder measure.

4th The Short tape measure attached to the brass is to be pressed up the back Seam to the bone before mentioned at the back part of the neck. This we shall call the Cord measure. 5th Pass the measure first used across the breast to the front of the left arm. This we Shall call the breast measure. Fourth Take the Level in the right hand end of the Steel in the right hand and hold it firmly against the breast of the Costume with the bubble floating the upper edge of the Steel being close under the arm and the upright piece close to the front of it, as before, the measure fastened to the Steel Stem will now be taken, and pressed up on a Straight line with the edge of it holding it a little distance from the Steel.

Now the question is, where is the upper point of the fore part of the Coat in relation to this line carried up in front of the arm. Is it in front of the line or back of it? Or is it on a Straight line with it whichever it is must be entered in your measure book giving of the quantity as near as possible if it be either in front or back of the line.

Examd. A McClintock
A McClintock
Thos. McDonald

Daniel Williams

(Granted, May 22. 1839) (168 Words)

(For the Patent Office)