

UNITED STATES PATENT OFFICE.

WM. T. WELLS, OF SHELBYVILLE, TENNESSEE.

TAILOR'S MEASURE.

Specification of Letters Patent No. 8,895, dated April 20, 1852.

To all whom it may concern:

Be it known that I, WILLIAM T. WELLS, of Shelbyville, in the county of Bedford and State of Tennessee, have invented a new and
5 useful Instrument for Drafting and Cutting Garments; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed
10 drawing, making a part of this specification.

The accompanying drawing is a perspective view of the instrument as applied to the cloth in drafting, the principle of which instrument is to obtain a correct measure of
15 the body by applying the same to the body, and by means of graduated measures, working upon arcs divided into degrees, and after having obtained the exact form and measurement of the body, to transmit the
20 same to a plane surface so as to make it correspond with the actual measurement with perfect certainty which instrument is constructed and formed as follows to wit, it consists of some pliant substance (for in-
25 stance morocco) which is formed so as to fit under the arm, and lie upon the left breast, with a graduated scale on the front edge, and a graduated strap passing around the body, under the arm, which is designated in the
30 accompanying drawing by the letters E. The graduated scale in front above referred to is numbered from 1 to 7 inclusive. There is a graduated arc on the instrument marked F, also a graduated arc marked G, both of
35 which are in front of the arm when the instrument is applied to the body. Also a graduated arc marked K.

No. 1, is a strap working upon a pivot on the center of the circle of which the arc
40 F, is a part, coming to a point at the edge of said arc F so as to point out the degree, which strap is marked in inches measured from a line horizontal with the lower part of the armpit, commencing to number at 4
45 inches which strap has a stop screw at S S, which passes through the main body of the instrument with a tap on the end so as to screw it up and hold it firm at any point desired, there being a groove cut so as to let
50 the screw pass freely in turning the strap upon its pivot also with an eyelet hole in the extreme end of said strap No. 1.

No. 2, is a strap graduated and measured as strap No. 1, working upon a pivot on the
55 center of the circle of which the arc G, is a part, coming to a point as No. 1.

S on strap No. 2, is a screw formed and working as the screw at S in strap No. 1.

No. 3, is a graduated tape or strap working on a pivot in the center of the circle of
60 which the arc K is a part.

No. 4, is a metal strap working upon the same pivot upon which No. 3 works, graduated in inches upon which works a graduated slide at right angles with it, which slide
65 is marked X.

S on the arc K is a screw constructed and working as the screws S above referred to and described, except this that it has no groove in which to work, serving as a pivot,
70 and when screwed up holds the straps No. 3 and No. 4 to any point desired.

D is two eyelet holes.

H, is a hook upon the end of the graduated strap E.
75

A is a strong strap, with holes through it, at short intervals, with a hook at one end. B is the same as A.

C is an elastic strap with two hooks at each end, which three last straps are made
80 separate from the instrument and only connected with it when measuring, which instrument is applied and used in the following manner.

First the strap B is hooked around the
85 body so as to rest upon the points of the hips. Strap A is hooked onto strap No. 1, by means of the hook on A and the eyelet hole in No. 1, when the instrument is ready to be applied. The instrument is placed
90 upon the left breast so that the strap E passes under the left arm. Strap No. 1, is then passed over the left shoulder, around the back of the neck, passing over the right shoulder, in front, then under the same and
95 hooking to strap E at the hook H, the strap E passing from armpit to armpit. The strap C is hooked into the eyelet holes D and the two hooks at the other end of the strap C hooked into the right breast of coat,
100 so as to hold the instrument firm, when it is ready for measuring when instrument is applied to the body, the strap No. 1 shows the distance from a line horizontal with the armpit, to the socket bone or the center of
105 the neck, at the same time pointing out the degree on the arc F, then to ascertain the depth of eye measure from the lower edge of strap No. 1, at socket bone to the top of
110 strap E, to get the first waist or top of hips measure to the lower edge of strap B. Strap No. 2, passes over the left shoulder at

the shoulder point, and at width of back to the top edge of strap E, at the same time pointing out the degrees on the arc G, which measurement is for the purpose of giving the width and size of shoulder. Strap No. 3, is for the purpose of measuring under the left arm to socket bone, at lower edge of No. 1, also to measure to the center of the back at the upper edge of strap E, and to measure across the shoulder blade bone to the center of the back, at which last measurements it shows the degree on the arc K. No. 4, hangs down the side and is to be placed so as to make the slide X parallel with lower edge of the strap B, showing the angle on the arc K and distance to top of hip, which strap or scale when adjusted forms a pivot at strap B, from which to measure to get the center of the back at the first waist, and by means of the last measurement of strap No. 3, and the several measurements of No. 4, the coat is thrown in to the back, after taking all the measures and noting all the distances and the angles or degrees shown by the several straps, in measuring, take the instrument off and detach straps A and C, then lay the instrument upon the cloth, set the instrument to the

same degrees or angles ascertained in measuring, get also the distances, and lay off and cut according to said angles and distances and thus the closed diagram will be transmitted to a plane surface, with a perfect harmonization of all the points.

The mode of applying the instrument to the body may be seen by reference to the small drawing herewith presented.

What I claim as my invention and desire to secure by Letters Patent is—

The graduated straps No. 1, No. 2, and No. 4, in connection with the several centers about which they respectively turn and with the graduated arcs, the said centers being arranged substantially as herein set forth and for the purposes specified, using for that purpose the aforesaid instrument or any other substantially the same, and which will produce the intended effect, but I disclaim having invented the tape measure or the elastic square, designated as No. 3 underneath the main instrument.

WILLIAM T. WELLS.

Witnesses:

AMOS HAYS,
WM. GALBREATH.