

(No Model.)

2 Sheets—Sheet 1

A. LIEBL.  
TAILOR'S MEASURE.

No. 457,124.

Patented Aug. 4, 1891.

fig. 2.

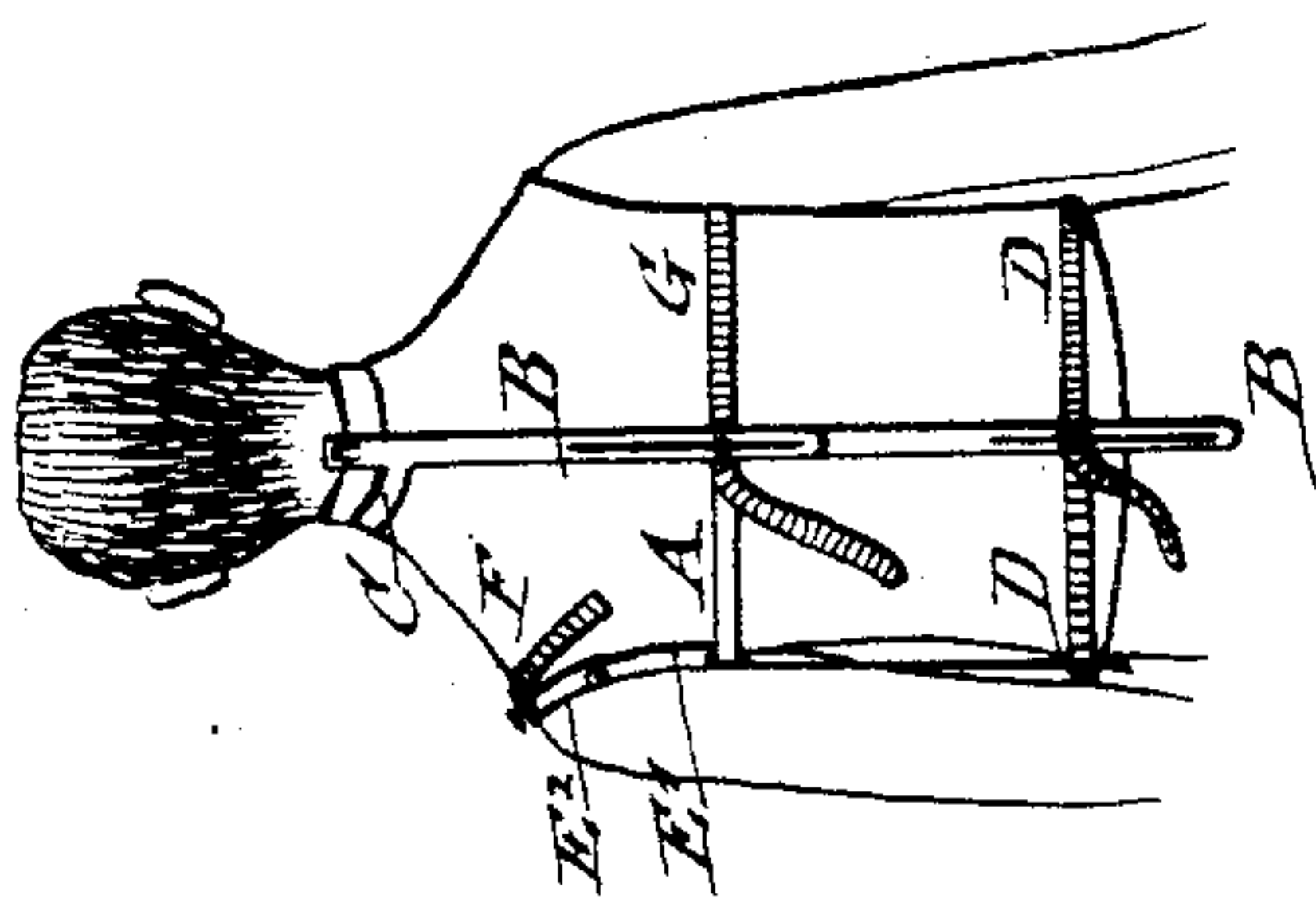


fig. 1.

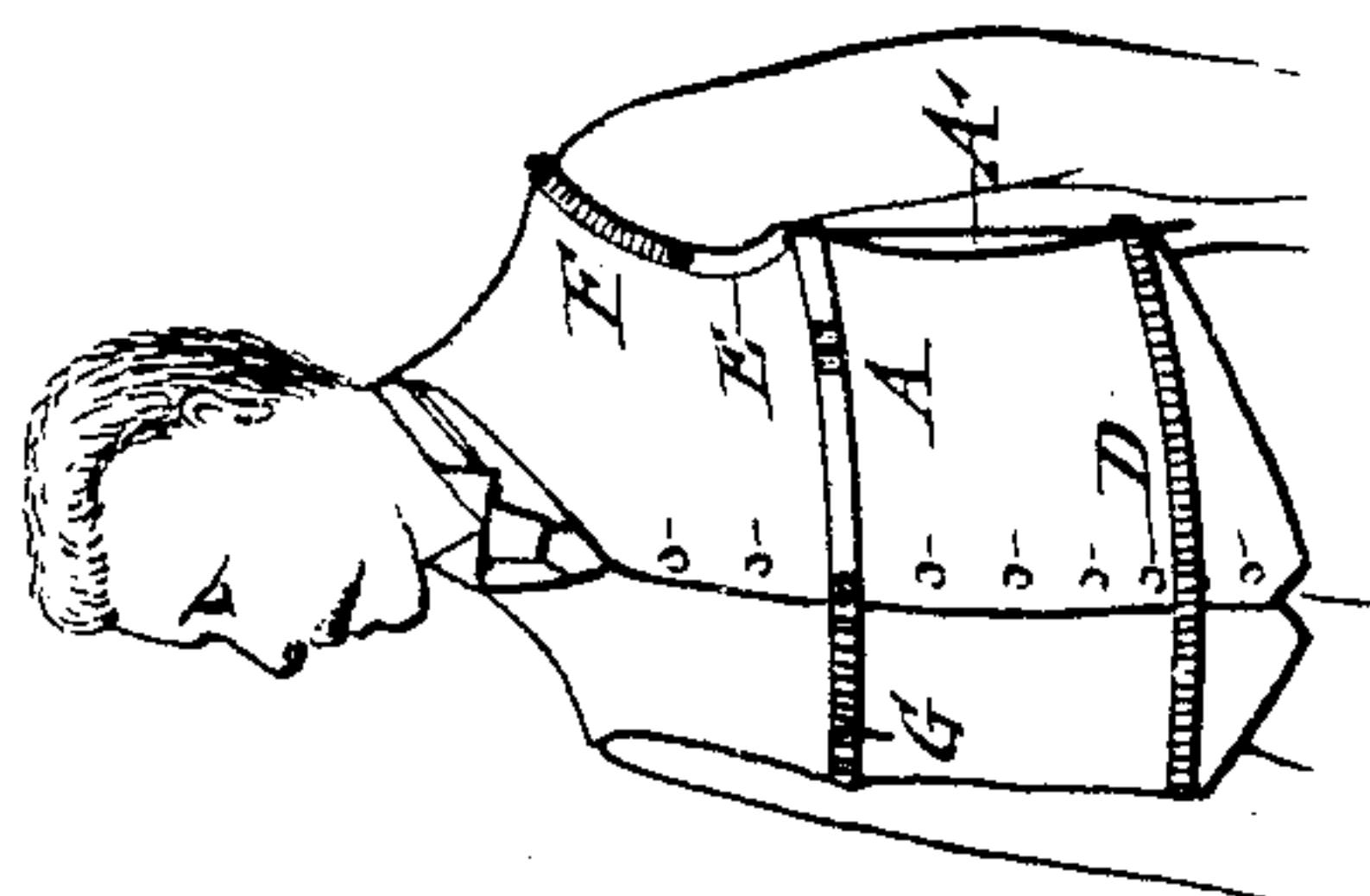
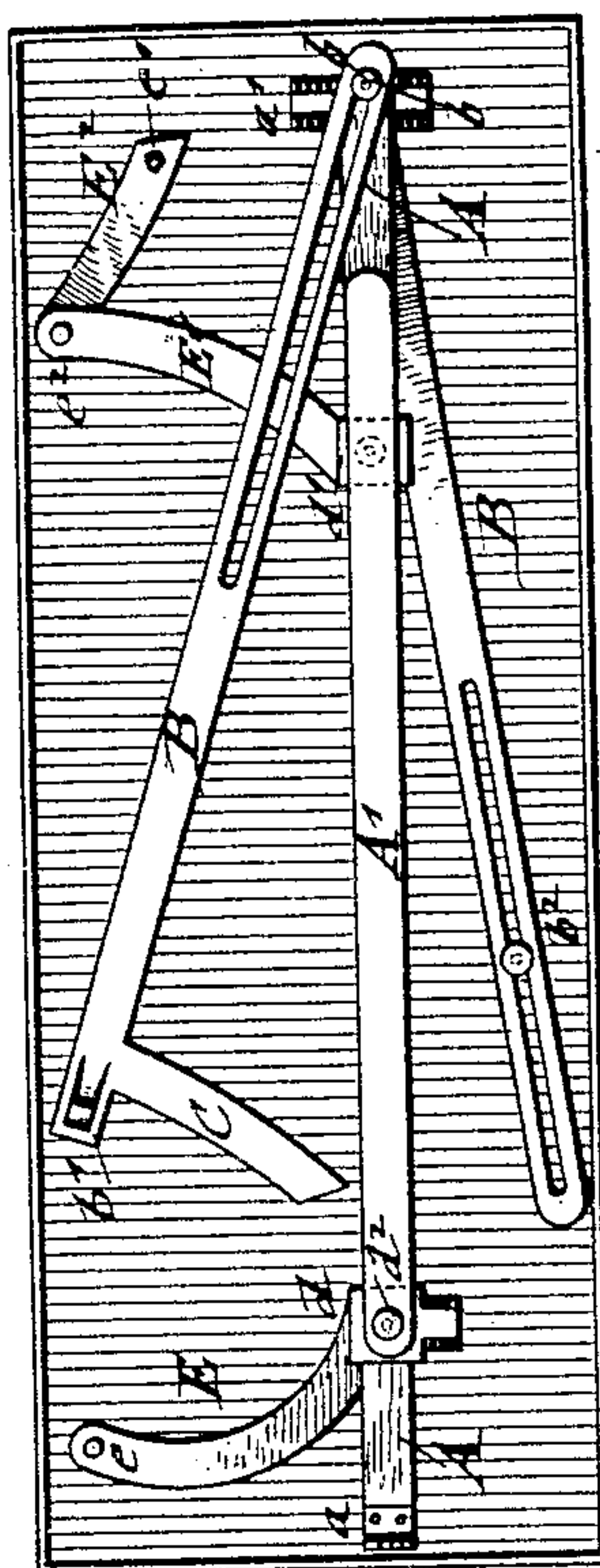


fig. 3.



WITNESSES:

*Frederick H. Rosenbaum.*  
*Charles Schroeder*

INVENTOR:

*Andrew Liebl*

BY

*Ernest R. Renger*

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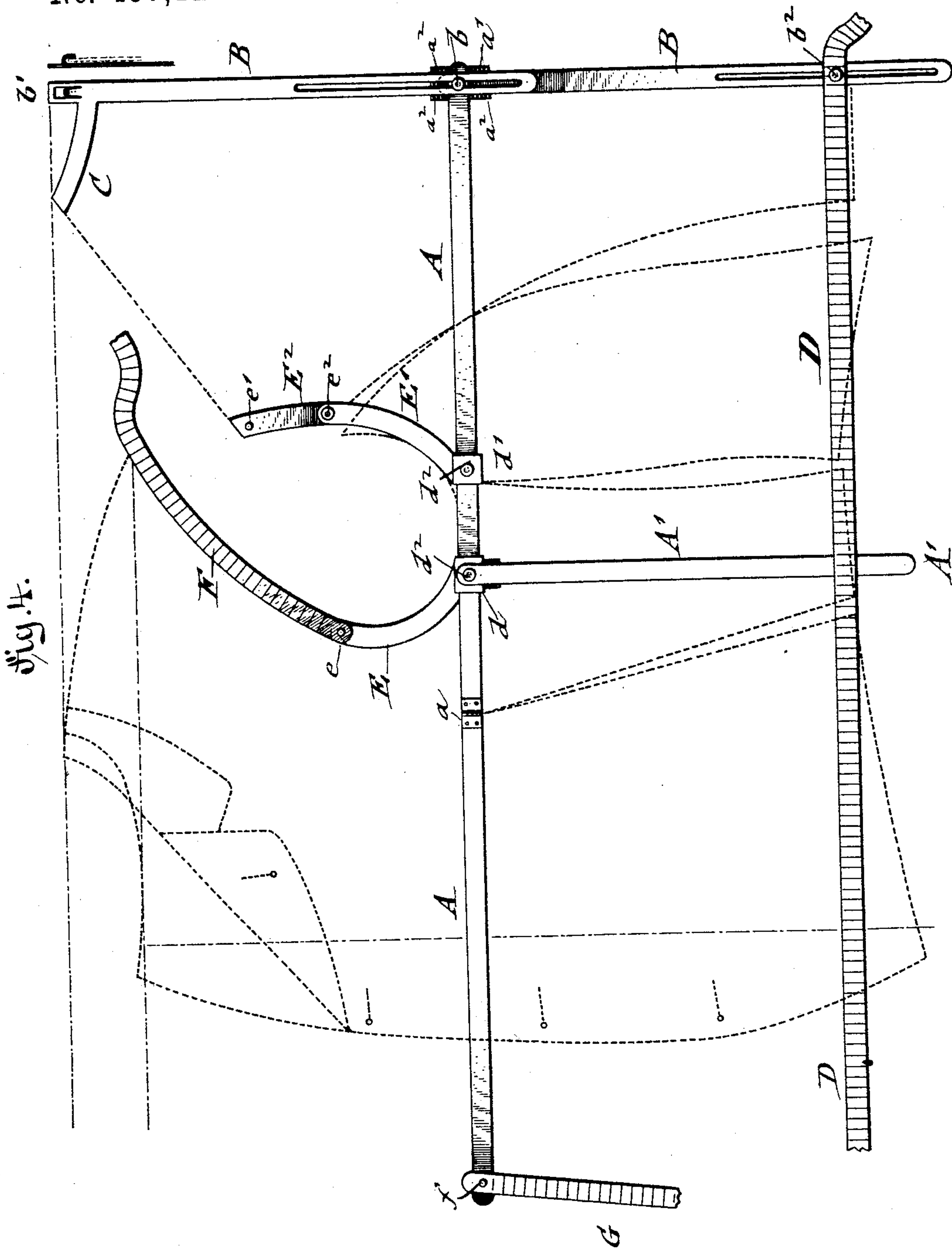
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# UNITED STATES PATENT OFFICE.

ANDREW LIEBL, OF BRESLAU, NEW YORK.

## TAILOR'S MEASURE.

SPECIFICATION forming part of Letters Patent No. 457,124, dated August 4, 1891.

Application filed December 1, 1890. Serial No. 373,187. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW LIEBL, a citizen of the United States, and a resident of Breslau, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Tailors' Measures, of which the following is a specification.

This invention relates to an improved tailor's measure, by which the measurements of a coat can be taken in a reliable and convenient manner, and which can also be used for drafting the pattern after the measurements are taken; and the invention consists of a tailor's measuring device composed of a main strip formed of two hinged sections of spring-steel, a curved front-arm strip and a curved rear-arm strip adapted to be adjusted by slide-pieces and keepers on said main strip, set-screws for said keepers, a hip-strip pivoted to the shank of the set-screw of the front-arm strip, and a back-strip made of two slotted sections and connected by a set-screw to the main strip, and provided with an adjustable button for the waist-measure at the lower end and with a curved shoulder-strip and hook at the upper end, and tape-measures that are applied to buttons at the end of the main strip, front-arm strip, and lower end of the back-strip, as will be fully described hereinafter, and finally be pointed out in the claims.

In the accompanying drawings, Figures 1 and 2 represent, respectively, a front and rear elevation of a body with my improved tailor's measuring device shown in position thereon for taking the measurements for a coat. Fig. 3 shows the measure folded up and placed in a box for carrying the same, and Fig. 4 is a side elevation of the measure shown as arranged in one plane for drafting the pattern.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the main strip of my improved tailor's measure, which main strip is made of two sections of spring-steel that are connected by a hinge  $a$ , so as to be capable of being folded up. To one end of the main strip A is connected a back-strip B, which is retained rigidly at right angles thereto by means of a T-shaped piece  $a'$ , having parallel flanges  $a^2$  and a set-screw  $b$ . The back-strip B is, like the main part A,

made of two sections, which are slotted at their lower ends and connected with each other and the main strip A by the set-screw  $b$ . The upper end of the back strip B is provided with a hook  $b'$ , that is preferably made integral with the back-strip and placed over the collar of the shirt, so as to give a positive hold for the measuring device when applied to the body. Below the hook  $b'$  extends laterally from the back-strip B a curved shoulder-strip C. To the slotted lower end of the back-strip B is applied a stud  $b^3$ , to which a tape-measure D for the waist is applied. To the longer section of the main strip A are applied by means of sliding keepers  $d$   $d'$  a curved front-arm strip E and a curved rear-arm strip E'. The front-arm strip E is provided with a button  $e$  at its upper end, to which a shoulder tape-measure F is applied, the opposite end of which is connected to a button  $e'$  at the upper end of an extension  $E^2$ , which is applied by a set-screw  $e^2$  to the rear-arm strip E'. The keepers  $d$   $d'$  are clamped by set-screws  $d^2$  to the main strip A, said set-screws serving to clamp the arm-strips E E' to the main strip A for adjustment, respectively, to the front and rear of the arm-pit. To the shank of the set-screw  $d^2$  of the keeper  $d$  is applied a downwardly-extending hip-strip A', which is held in position at right angles to the main strip A by a flanged extension  $d^3$  of the keeper  $d$ , as shown in Fig. 4. The hip-strip A' extends downward alongside of the body toward the hip and is held in position at its lower end by the waist-measure D. To a button  $f$  at the outer or front end of the main strip A is applied a chest tape-measure G, the opposite end of which is attached to the set-screw  $b$  at the intersection of the main strip A and back-strip B. The tape-measures are provided with eyelets, so as to be conveniently applied to the set-screws and headed studs of the main strip, back-strip, and rear-arm strip.

When the measure is applied to the body for taking the measures for a coat, vest, lady's waist, cloaks, or other garments, the back-strip is suspended by its hook from the shirt-collar and placed centrally on the back of the body in line with the spine. The main strip A is then bent forward around to the front part of the chest and attached thereto by the



tape-measure G. The waist-measure D is then placed around the waist, the latter holding also the hip-strip B in position. The shoulder-measure F is then placed in position  
 5 by connecting the front and rear arm strips. The measures can then be readily taken and noted down in the usual manner. The measuring device is then removed from the body and laid out flat, so as to be used for drafting, the  
 10 back-strip and main strip forming the axes from which the different measures are laid down on the paper, so that by connecting the different points obtained in the manner well known by tailors the pattern for the coat or  
 15 other garment is obtained, as shown in dotted lines in Fig. 4. The pattern is then cut out and used for cutting the cloth or other fabric. After use the device is folded up into a small compass by folding the main strip and swing-  
 20 ing the parts of the back-strip and the hip-strip over the main strip, as shown in Fig. 3, in which position the measure can be readily placed into a box and conveniently carried from place to place.

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

1. A tailor's measure composed of a main strip, a back-strip connected at right angles  
 30 thereto and provided with a hook and a laterally-extending shoulder-strip at the upper end and with a button at the lower slotted end, a front-arm strip, a rear-arm strip having a pivoted extension, both arm-strips being  
 35 connected by keepers to the main strip, a hip-strip extending downward from the keeper of the front-arm strip, and tape-measures respectively at the ends of the main strip, front-

arm strip, and button of the back-strip, substantially as set forth. 40

2. A tailor's measure consisting of a back-strip formed of a slotted upper section having a hook and a laterally-extending shoulder-strip at the upper end and of a slotted lower section having a set-screw at the lower end, a  
 45 main strip connected by a keeper and set-screw at right angles to the back-strip and formed of two hinged sections, a front-arm strip, a rear-arm strip having a pivoted extension, keepers having set-screws for attach-  
 50 ing the front and rear arm strips to the main strip, a hip-strip applied to the keeper of the front-arm strip, and a waist, chest, and shoulder measure applied, respectively, to the lower set-screw of the back-strip and studs of the  
 55 main strip and front and rear arm strips, substantially as set forth.

3. A tailor's measure composed of a main strip made of two hinged sections, a back-strip made of two slotted sections and con-  
 60 nected at right angles to the main strip, said back-strip having a laterally-extending shoulder-strip and a hook at the upper end, a front-arm strip and a rear-arm strip applied by keepers and set-screws to the main strip, a  
 65 hip-strip applied to the keeper of the front-arm strip, the different strips being made of sheet metal and adapted to be folded up, substantially as set forth.

In testimony that I claim the foregoing as  
 70 my invention I have signed my name in presence of two subscribing witnesses.

ANDREW LIEBL.

Witnesses:

W. REIMHERR,  
 PAUL GOEPEL.