No. 674,442.

Patented May 21, 1901.

A. P. HOCKERSMITH.

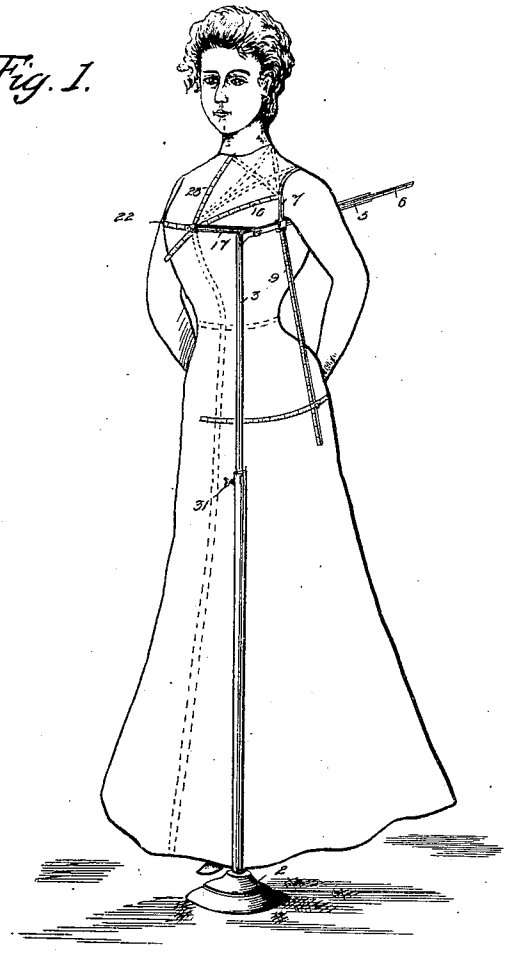
TAILOR'S MEASURER.

(Application filed Oct. 13, 1900.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.



Witnesses

Inventor

A. P. Hockersmith

By Victor J. Evans Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 674,442. Patented May 21, 1901.

A. P. HOCKERSMITH.

TAILOR'S MEASURER.

(Application filed Oct. 13, 1900.)

(No Model.) 2 Sheets—Sheet 2.

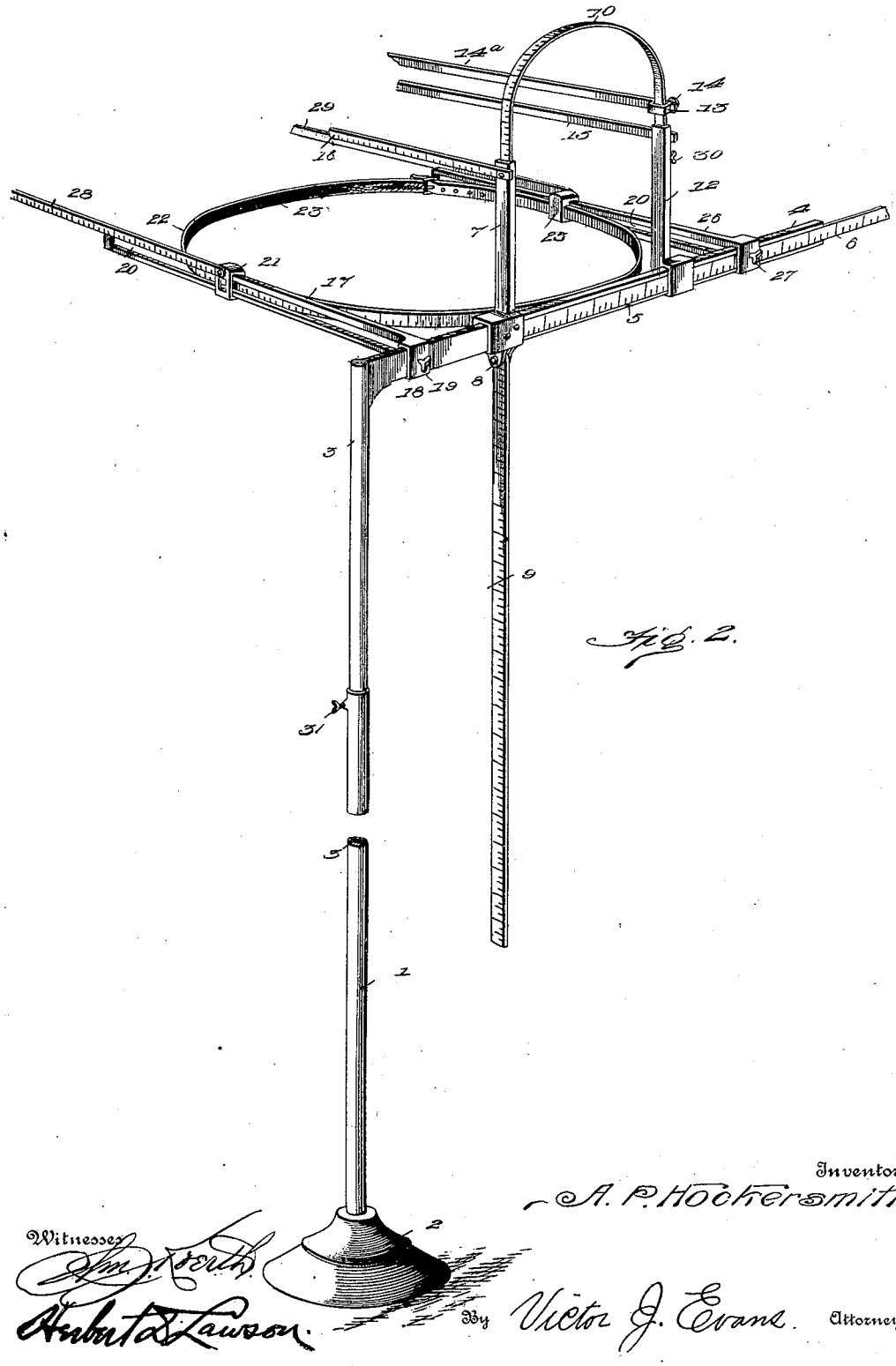


Fig. 2.

Witnesses
Thos. J. Keith
Herbert D. Lawson.

Inventor
A. P. Hockersmith.

By Victor J. Evans. Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ALFRED P. HOCKERSMITH, OF CHICAGO, ILLINOIS.

TAILOR'S MEASURER.

SPECIFICATION forming part of Letters Patent No. 674,442, dated May 21, 1901.

Application filed October 13, 1900. Serial No. 32,979. (No model.)

To all whom it may concern:

Be it known that I, ALFRED P. HOCKERSMITH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Tailors' Measures, of which the following is a specification.

This invention relates to new and useful improvements in tailors' measures; and its primary object is to provide a device of light, durable, and simple construction which is adapted to be adjusted to a person and whereby various measurements of the body may be readily obtained.

A further object is to provide a novel arrangement of tapes, &c., whereby certain points heretofore difficult to locate, as the points of the neck and shoulders, may be correctly located and laid out.

With these and other objects in view the invention consists in providing an adjustable standard in the form of an inverted L, upon the horizontal portion of which are slidably mounted parallel laterally-extending arms having sleeves movable thereon and inclosing a tape which is adapted to encircle the body. This tape is so constructed as to press firmly against the body automatically when in position and is visible at the front and back through slots formed in the arms before referred to. Vertical sliding strips are also mounted upon the horizontal portion of the standard, and the upper ends thereof are connected by an adjustable steel band. A tape extends from each of the slides upon the laterally-extending arms and from the end of each vertical arm, and a slide is mounted upon the steel band before mentioned and is also provided with a tape. A tape is secured to the lower end of one of the vertical arms and is slidably mounted in a groove in the horizontal portion of the standard, said tape extending longitudinally of said portion.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a perspective view of the device in use. Fig. 2 is a similar view of the device detached.

Referring to the figures by numerals of reference, 1 is a hollow standard having a weighted base 2 and adapted to receive one arm 3 of an L-shaped bracket. The horizontal portion 4 of this bracket is grooved in its outer face, as at 5, for the reception of a steel tape 6, one end of which is secured to a vertical arm 7, slidably mounted upon the horizontal portion 4 of the bracket. Ears 8 extend downward from this arm, and pivoted therebetween is one end of a preferably steel strip 9, having graduations thereon and which is adapted to hang downward and serve as a hip-measure for the device. A steel bow-shaped strip 10 is secured to the upper end of the arm 7, and the opposite end thereof extends downward through a longitudinally-extending passage 11, formed within a second vertical arm 12. This arm is otherwise similar to the arm 7 and is slidably mounted upon the portion 4 of the bracket, the lower end thereof inclosing said portion and the tape 6 mounted therein. A slide 13 is located upon the strip or band 10 and is provided with a set-screw 14, whereby the same may be securely locked in adjusted position upon said strip. A tape 14^a is pivoted to this slide and is adapted to be swung in various directions to secure desired measurements of the back. A tape 15 is pivoted to the upper end of the arm 12, and a similar tape 16 is pivoted to arm 7. A laterally-extending arm 17 is slidably mounted upon the horizontal portion 4 of the bracket at points between the vertical portion 3 and the arm 7. The end 18 of this arm 17, which incloses the bracket, is provided with a set-screw 19, whereby the arm may be locked in adjusted position. A longitudinally-extending slot 20 is formed within the arm 17, and a slide 21 is mounted upon said arm and adapted to receive a tape 22, which is slidably mounted therein. This tape is preferably formed of steel and is provided at one end with an elastic strip 23, having a buckle 24 secured thereto, whereby the tape may be fastened about the person to be measured. This tape is also slidably mounted within a slide 25, inclosing a laterally-extending arm 26, extending from the portion 4. This arm is located at a point between the arm 12 and the free end of the portion 4 and is slidably mounted thereon, a

set-screw 27 being provided whereby the same may be locked in adjusted position. Tapes 28 and 29 are pivoted to the slides 21 and 25, respectively.

Any suitable means, as a set-screw 30, may be provided for locking the strip 10 in adjusted position, and a set-screw 31 is also employed for locking the arm 3 of the bracket after the same has been adjusted.

When measuring, the person's arm is placed between the vertical arms 7 and 12 and the portion 4 adjusted upward until the same fits snugly beneath the arm. Said arms 7 and 12 are then clamped loosely upon the arm and the strip 10 drawn downward until it rests thereupon. The arms 17 and 26 are then adjusted against the front and back of the body, respectively, and the slides 21 and 25 locked thereon at the center of the front and back. The tape 22 is then fastened about the body, the elastic portion 23 thereof holding it firmly in position, and the device is ready for taking the measure. Tape 6 will indicate the width of the armhole, and strip 9 will permit a measurement to the waist and hip. By means of the tape 22 the distance from the slides 21 and 25 to the arm may be readily determined, the slots 20 enabling the operator to distinguish the graduations upon the tape. The slide 13 is locked in position at one of the shoulder-seams, and the tape 14^a thereof is employed for measuring the distance to the center of the back of the neck and to the slide 25.

By means of the tape 15 the measurements from the arm 12 to the center of the back of the neck and to the slide 25 may be taken. Tape 29 measures to the center of the back of the neck and to desired points upon the side of the neck. The tapes arranged at the front of the device are employed in a similar manner. Tape 28 is used for measuring to the center of the front of the neck, to points upon the side thereof, and to the shoulder-seam, while tape 16 measures to the slide 21 and the side of the neck. The tape 28 may also be employed for measuring downward to the waist and to the bottom of the skirt.

Separate tapes may be employed for measuring the waist and hips, or, if desired, the hip-tape may be slidably mounted upon the hinged strip 9.

It is obvious that after the above measurements have been secured, one side of the garment may be readily laid out upon the cloth. If desired, the opposite side of the person may then be measured, as hereinbefore described.

If desired, each of the tapes herein referred to may be mounted upon ordinary spring-controlled reels, whereby they will be wound automatically when not in use.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make all such changes as fairly fall within the scope of my invention.

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

1. The combination with an adjustable standard; of a horizontal portion thereto; vertical arms slidably mounted upon said horizontal portion; a graduated tape secured to one of the arms and slidable within the horizontal portion; and an adjustable spring connecting the free ends of said arms.

2. The combination with an adjustable standard having a horizontal portion; of vertical arms slidably mounted upon said horizontal portion; a graduated tape secured to one of the arms and slidably mounted within the groove of the horizontal portion; a longitudinally-extending passage within one of the arms; a strip secured to the free end of the remaining arm and adjustably secured within said passage; and a graduated strip hinged to, and depending from, one of the arms.

3. The combination with an adjustable standard having a horizontal portion; of vertical arms slidably mounted upon said horizontal portion; an adjustable strip connecting the free ends of said arms; a graduated tape secured to one of the arms and slidably mounted within the horizontal portion; laterally-extending arms slidably mounted upon said portion; slides thereon; and a graduated tape extending from said slides.

4. The combination with an adjustable standard having a horizontal portion; of laterally-extending arms slidably mounted upon said portion and having longitudinally-extending slots therein; a slide upon each of the arms; a graduated tape pivoted to each slide; a second graduated tape passing through said slides; and an elastic portion to said tape.

5. The combination with a standard; of an L-shaped bracket secured therein; vertical arms slidably mounted upon the horizontal portion of said bracket; an adjustable strip connecting the free ends of said arms; a slide mounted upon the strip; a graduated tape pivoted to said slide; means for locking said slide in position upon the strip; and tapes pivoted to the free ends of the arms.

6. The combination with a standard; of an L-shaped bracket adjustably secured therein; vertical arms slidably mounted upon the horizontal portion of said bracket; a graduated tape secured to one of the arms; and slidably mounted within a groove in said horizontal portion; an adjustable spring connecting the free ends of the arms; a slide adjustably secured thereon; a graduated plate pivoted to said slide; tapes pivoted to the free ends of the arms; and a graduated strip hinged to the lower end of one of said arms.

7. The combination with a standard; of an L-shaped bracket adjustably secured therein; vertical arms slidably mounted upon the horizontal portion of said bracket; a graduated

tape secured to one of the arms; and slidably mounted within a groove in said horizontal portion; an adjustable spring connecting the free ends of the arms; a slide adjustably secured thereon; a graduated plate pivoted to said slide; tapes pivoted to the free ends of the arms; a graduated strip hinged to the lower end of one of the arms; laterally-extending arms slidably mounted upon the horizontal portion having longitudinally-extending slots therein; a slide upon each of said arms; a graduated tape pivoted to each slide; a graduated tape passing through each of the slides; means for securing the ends of said tape together; and an elastic portion thereto.

In testimony whereof I affix my signature in presence of two witnesses.

ALFRED P. HOCKERSMITH.

Witnesses:
ALICE HARTWELL,
LUCINDA J. HOIT.