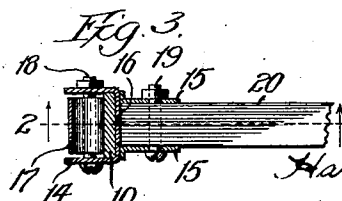
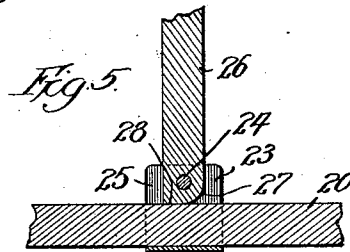
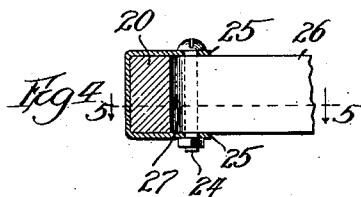
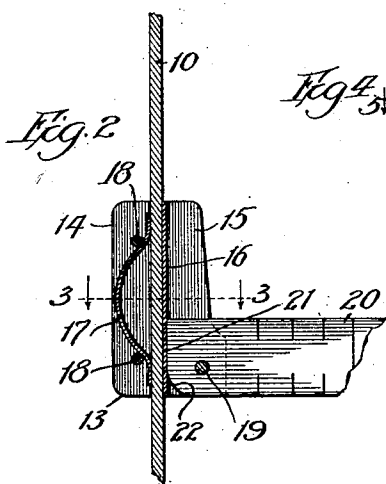
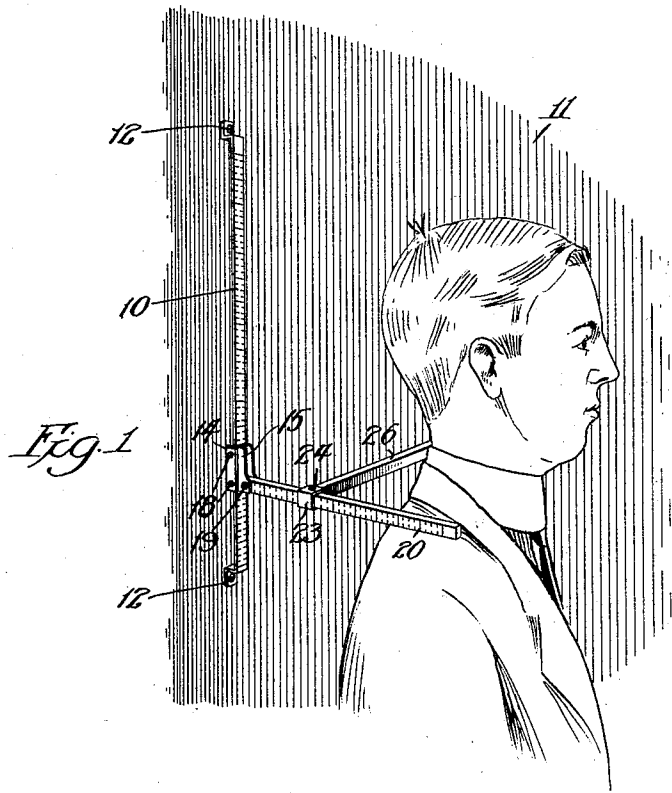


H. L. FELLOWES.
MEASURING DEVICE.
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977,177.

Patented Nov. 29, 1910.



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UNITED STATES PATENT OFFICE.

HARRY L. FELLOWES, OF CHICAGO, ILLINOIS.

MEASURING DEVICE.

977,177.

Specification of Letters Patent.

Patented Nov. 29, 1910.

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To all whom it may concern:

Be it known that I, HARRY L. FELLOWES, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Measuring Devices, of which the following is a specification.

In the taking of measurements preparatory to the making of clothes, more especially coats, it is necessary to know the height of the coat collar at the back of the neck, and it is also necessary to be advised of the stooping or erect posture of the person for whom the coat is to be made.

At the present time, many suits of clothes are made on orders taken in distant cities from measurements secured by local agents, and it is to secure a uniformity in such measurements and a reliability therein that I have invented a simple and effective appliance whereby any one, skilled or otherwise in this art, can take suitable measurements which can be thoroughly relied upon.

In the accompanying drawing, I have illustrated one embodiment of the invention, and in this drawing,—Figure 1 is a perspective view indicating the manner in which the measurements are taken; Fig. 2 is a section indicating the manner of attaching the sliding posture-bar or measure on the vertical, stationary height measure or bar, such section being taken on line 2—2 of Fig. 3; Fig. 3 is a horizontal section on line 3—3 of Fig. 2; Fig. 4 is a vertical section through the outstanding measuring or graduated posture bar adjacent to the collar bar; and Fig. 5 is a horizontal section on line 5—5 of Fig. 4.

By reference to this drawing, it will be apparent that the device or appliance includes a metallic bar 10 adapted to be secured to a wall 11 by means of offset ends 12, 12 and suitable attaching screws. This bar is ordinarily graduated in feet and inches, and is placed so that the foot graduations thereon will be at the correct distance from the floor. Slidable on this bar is a metallic clip 13 having a pair of rearwardly extended ears 14 and a pair of forwardly extending ears 15, and a plate portion or web 16 contacting with and sliding on the graduated face of the height bar 10.

In position to hold this clip in any adjusted position on the bar, I provide between the ears or rearwardly extended portions 14, a bow spring 17 held under suitable tension

by a pair of screws 18 in apertures in the two ears 14, the action of this spring being such that the clip 13 may be slid longitudinally on the bar and at the same time have sufficient friction between the parts so that it will be automatically held in any position to which it may be adjusted.

Between the ears 15, on a screw or bolt 19, I pivot a posture bar 20, graduated in inches, and adapted to be swung up into horizontal position, as shown in Figs. 1 and 2, the squared shoulder 21 at the rear end of such bar by contacting with the plate 16 of the clip limiting the upward turning to a horizontal position, the bar being capable of swinging down against the bar 10 parallel to the wall into inoperative position, owing to the rounding of the corner 22, which permits downward turning or swinging on the pivot 19. On this outstanding bar, I mount a metallic slide 23 extending over three surfaces of the bar 20, and having pivoted on a bolt 24 between top and bottom protruding ears 25, a collar bar 26, which, because of the rounded collar 27, may be swung flat against the side of the bar 20, and may be swung into right angle relation thereto, as shown in Figs. 1 and 5, and stopped in such position by the engagement of its square end 28 with the side of bar 20. The two bars 20 and 26 are of the same width as the proper distance between the top edge of a person's linen collar and the top edge of his coat collar at the back of the neck.

The measurements are taken in the following manner: The person for whom the coat or vest is to be made stands against the wall at one side of the bar 10, and the bars 20 and 26 are slid on the parts 10 and 20, respectively, until the top edge of the collar bar 26 strikes the top edge of the linen collar of the person being measured. Then two measurements may be read from the appliance, as follows: The proper height of the coat collar will be indicated on the scale 10 at the bottom edge of the bar 20 which is coincident with the bottom edge of the plate 16, and the erect or stopping posture of the person may be read on the scale on the side of bar 20, such posture being indicated on the scale by the position of the slide 23. Consequently, by merely adjusting these parts so that the collar bar comes against the top edge of the collar, these two necessary measurements may be taken at the same time, it being understood that the

measurement read on the bar 20 indicates the distance of the top of the linen collar from the wall against which the person stands and on which the height bar 10 is mounted.

Owing to the fact that the part 13 is slidable on the graduated bar 10, that the bar 20 may be swung down against the bar 10, and that the bar 26 may be swung against the side of the bar 20, the appliance may be collapsed into small compass and shipped without danger of damage.

Although I have herein indicated only one embodiment of this invention, it is capable of a number of embodiments, and for that reason I do not wish to be limited and restricted to the precise and exact structural features herein shown and described, because the details of construction of the appliance set forth may be modified within wide limits without departure from the substance of the invention.

I claim:

1. In a device of the character described, the combination of a graduated height bar adapted to be attached vertically to a suitable support, a graduated posture bar slidably mounted on said height bar, and a collar bar slidable on and outstanding from said posture bar, whereby the height of the coat collar and the posture of the person being measured will be indicated on said height and posture bars, respectively, substantially as described.

2. In a device of the character described, the combination of a graduated height bar

adapted to be attached vertically to a suitable support, a slide movable on said height bar, a graduated posture bar pivoted on said slide, a clip slidable on said graduated posture bar, and a collar bar pivoted to said clip, said posture bar being adapted to be swung into a position at right angles to said height bar, said collar bar being adapted to be swung into a position at right angles to said posture bar, whereby the height of the coat collar and the posture of the person being measured will be indicated on said height and posture bars respectively, substantially as described.

3. In a device of the character described, the combination of a graduated height bar adapted to be attached vertically to a suitable support, a graduated posture bar slidably and pivotally mounted on said height bar, a collar bar slidably and pivotally mounted on said posture bar, said posture and collar bars being of the same width, said posture and collar bars being shaped to limit their swinging on their pivots whereby to determine the right-angle positions of said bars relatively to said height and posture bars, whereby the height of the coat collar and the posture of the person being measured will be indicated on said height and posture bars respectively, substantially as described.

HARRY L. FELLOWES.

Witnesses:

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