

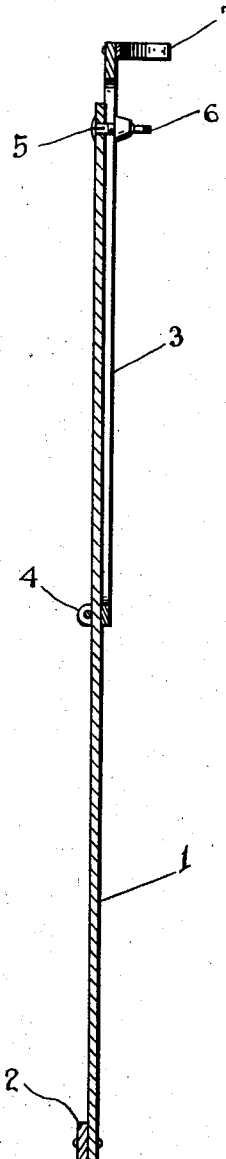
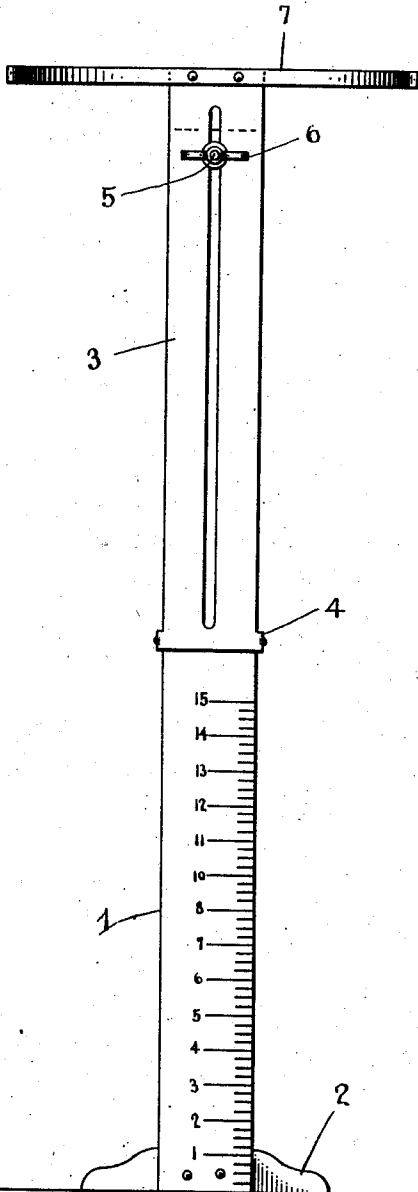
B. K. SHRADER & J. R. GILMAN.
 MEASURING DEVICE.
 APPLICATION FILED MAR. 2, 1911.

1,022,005.

Patented Apr. 2, 1912.
 2 SHEETS-SHEET 1.

Fig. 1

Fig. 2



Witnesses

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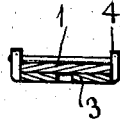
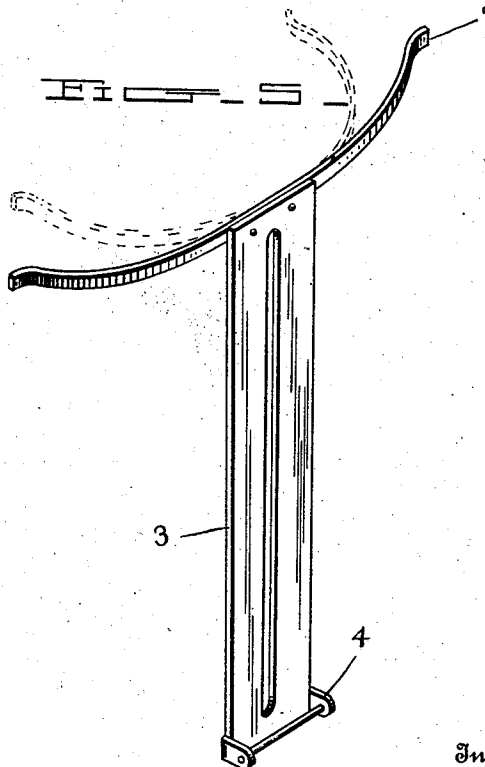
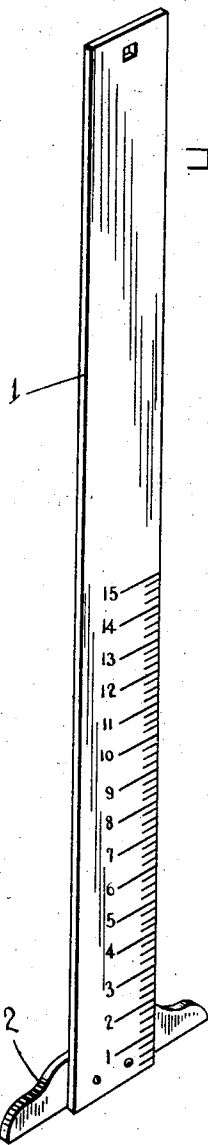


Fig. 4

Fig. 5



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UNITED STATES PATENT OFFICE.

BERT KEISER SHRADER AND JAMES R. GILMAN, OF LOUISVILLE, KENTUCKY; SAID
GILMAN ASSIGNOR TO SAID SHRADER.

MEASURING DEVICE.

1,022,005.

Specification of Letters Patent.

Patented Apr. 2, 1912.

Application filed March 2, 1911. Serial No. 611,849.

To all whom it may concern:

Be it known that we, BERT K. SHRADER and JAMES R. GILMAN, citizens of the United States, residing at Louisville, in the county of Jefferson, State of Kentucky, have invented certain new and useful Improvements in Measuring Devices; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in measuring devices and more particularly to those for ascertaining the length of skirts, whereby the latter may be readily altered and subsequently properly shaped.

The present system therefore obviates the troublesome and tedious work in making alterations or other repairs required in skirts or other wearing apparel, whereby the latter may be accurately and properly fitted.

Another and more important object of the invention is in the means for measuring and ascertaining the irregularities of the formation of the skirt to be fitted, whereby a perfect fit may be readily obtained.

Briefly stated the invention consists of an adjustable scale composed principally of two sections slidably connected, one of which is provided with graduation marks, means for holding the said sections in a rigid position in respect to one another, an arcuate arm forming a part of the upper end of one of said sections and operating as a guide, a foot forming a part of the lower end of the opposite member and adapted to rest upon the floor in the operation of the device or when the parts are separated, and means for adjustably securing the sliding sections against displacement, all of which will appear from the detail description to follow:

With these and other objects in view, the invention consists in certain novel features of construction as hereafter shown and described and then specifically pointed out and claimed, and in the drawings illustrative of the preferred embodiment of the invention.

In the drawings: Figure 1 is a side elevation of the complete invention in an adjusted position. Fig. 2 is a vertical longitudinal section of the same. Fig. 3 is a cross section taken through the slidingly connected parts of the device. Fig. 4 is a

perspective view of the lower section of the invention. Fig. 5 is a perspective view of the upper section thereof.

Referring to the drawings, 1 represents the lower section of the device which is provided with graduated marks along its surface in the usual manner to designate a scale of the ordinary character, said section having a base 2, and slidably mounted upon said member 1 is a slotted extension 3, the lower end of which is provided with an engaging member 4 and works upon the lower member 1 assisting in holding the said slotted member 3 in its proper position during the adjustment of the device.

Projecting from the upper end of the member 1 is a threaded stud 5 which freely passes through the slot of the extension 3 of the device and adjustably mounted on said stud is a wing nut 6 which is adapted to be brought in binding contact with the said extension for holding the parts in an adjusted position.

An important feature of the invention is in the employment of a yielding curved plate 7 which is secured to the upper end of the extension 3, and is adapted to conform to the waist of the person to be fitted, said plate adapted to engage the upper edge of a skirt band for ascertaining the exact length thereof. As clearly shown the engaging member 4 not only forms the guide for the lower end of the slotted extension 3 upon the section 1 but also operates as an indicator when the parts are properly adjusted.

In applying the device, the wing nut is released, whereby the parts may be readily adjusted and the measurement accurately ascertained, after which the said wing nut is adjusted to cause the parts to be rigidly held in the position referred to.

As previously stated the curved plate carried by the upper end of the slotted extension 3 is of a bendable nature throughout its entire length and so as to readily conform to the contour of the waist in order that a perfect measurement of the length of the skirt to be altered may be accurately obtained, and further will properly hold the device in a position during the operation referred to.

What is claimed is:

The combination in a device such as described of a base, a stationary graduated

plate extending therefrom, a threaded stud projecting from the upper terminal of the graduated plate, a sliding plate located upon the graduated plate and formed with
5 a slot which receives the said stud, a binding nut threaded upon the stud, ears extending from the sliding plate beyond the opposite side of the stationary plate, a pin connecting said ears and engaging the
10 graduated plate and a horizontally disposed strip of a bendable nature attached at its

intermediate portion to the upper end of the sliding plate substantially as and for the purposes set forth.

In testimony whereof, we affix our signatures, in presence of two witnesses.

BERT KEISER SHRADER.
JAMES R. GILMAN.

Witnesses:

JAS. E. COLLINS,
WILL STEIER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."