G. F. SCHILLING.

MEASURING GAGE.

APPLICATION FILED DEC. 29, 1914.

1,149,469.

Patented Aug. 10, 1915.

Fig. 1.

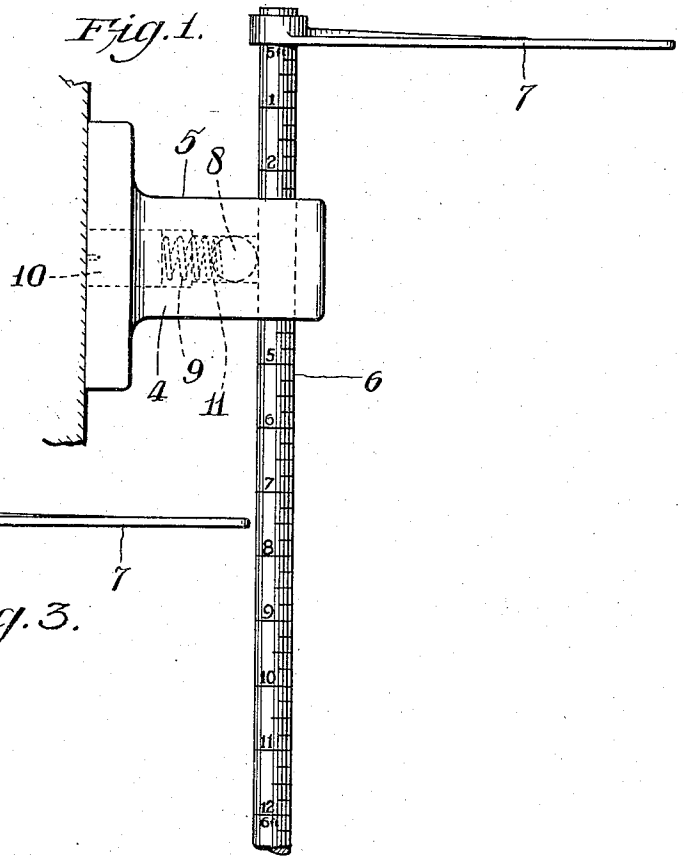


Fig. 3.

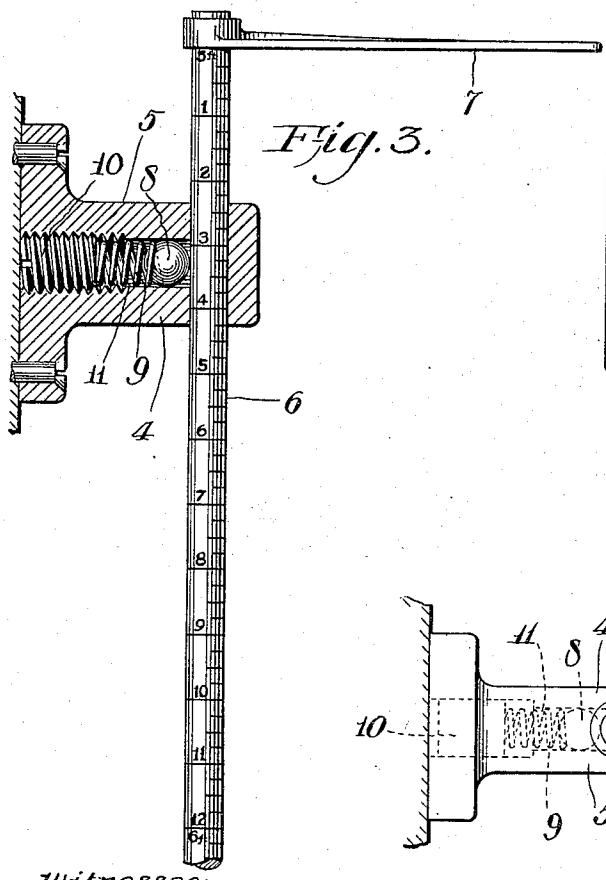
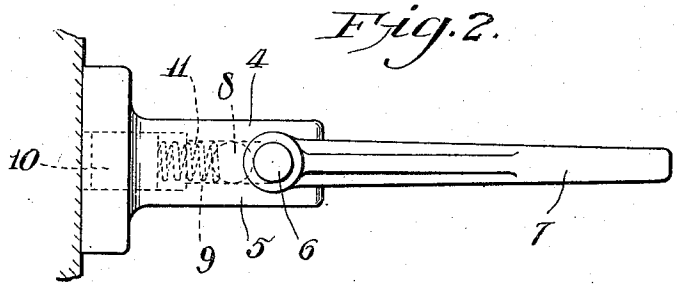


Fig. 2.



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UNITED STATES PATENT OFFICE.

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MEASURING-GAGE.

1,149,469. Specification of Letters Patent. Patented Aug. 10, 1915.

Application filed December 29, 1914. Serial No. 879,430.

To all whom it may concern:

Be it known that I, GEORGE F. SCHILLING, a citizen of the United States, and a resident of the city and county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Measuring-Gages, of which the following is a specification.

My invention relates to improvements in gages for measuring the stature or height of individuals, men or women, and the object of my invention is to furnish a gage of this character which may be attached to any suitable support, a wall for instance, which will be inexpensive and accurate, and which when not in use may be turned so as to be completely out of the way.

My invention, which is particularly adapted for the use of physicians or insurance offices where economy of space is frequently an object, consists of a bracket adapted to be permanently secured to a wall, a door jamb, or to some piece of furniture at a fixed distance from a floor or platform, say five feet, a graduated rod or tube adapted to be moved vertically in said bracket and furnished with an arm adapted to engage the top of the head of the individual whose height is to be measured, and some suitable frictional device carried by said bracket which will hold said graduated rod or tube in any position vertically and at the same time permit it to be moved up or down in said bracket, or to be turned axially therein, with a very small amount of muscular effort and without it being necessary to change any adjustment of the holding device.

My invention is illustrated in the accompanying drawings which form part of this specification, in which similar numerals of reference indicate similar parts throughout the several views, and in which:—

Figure 1, is a side elevation of my height gage: Fig. 2, a view looking down upon Fig. 1, and Fig. 3, a view similar to Fig. 1, the bracket being shown in vertical central section so as to disclose a frictional device for engaging the measuring rod.

4 is a bracket which is adapted to be permanently secured to some fixed support and one point of which, preferably its top 5, at a known distance, say five feet, from the floor or platform upon which the person whose height is to be measured stands.

6 is a rod or tube approximately eighteen inches long which is vertically divided into feet, inches and fractions of inches. At its top the rod 6 carries an arm 7 which is adapted to rest upon the top of the head of the individual whose height is to be measured, the height being the sum of the distance that the top 5 is above the floor or platform upon which the individual stands, plus the inches and fractions of inches that are on the rod 6 above the top 5 of the bracket.

The rod 6 is cylindrical and can be moved with little effort up or down in the bracket 4 or rotated therein upon its vertical axis so as to move the arm 7 into position to engage the head of the person being measured or against a wall so as to be entirely out of the way when not in use.

Carried by the bracket 4 is some suitable form of friction device which will permit the rod 6 to be easily moved vertically or rotarily and which will securely hold the rod at any point vertically to which it may be moved. In the drawings this friction catch consists of a ball 8 which is forced against the rod by a spring 9 the tension of which may be regulated by a screw 10; all of these parts, the ball, the spring and the screw, are carried in a tapped hole 11 in the inner end of the bracket 4.

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

In a height measuring gage, in combination, a bracket furnished with a longitudinal tapped perforation and with a cylindrical transverse perforation, a cylindrical graduated rod or tube vertically and rotarily movable in said latter perforation, a head engaging arm carried by said rod or tube, a ball in said longitudinal perforation engaging said rod or tube, a screw in said perforation, and a spring interposed between said screw and ball, all substantially as and for the purposes set forth.

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Witnesses:

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