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ATTACHMENT FOR FOOT RULES.

APPLICATION FILED NOV. 6, 1914.

1,168,362. Patented Jan. 18, 1916.

Fig. 1.

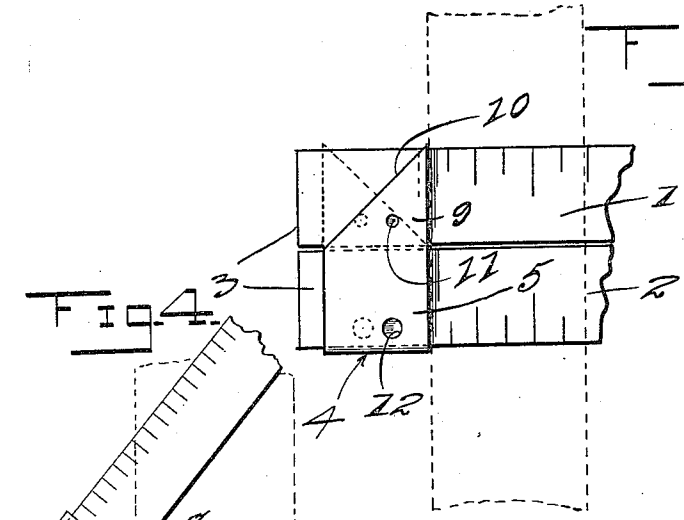


Fig. 2.

Fig. 4.

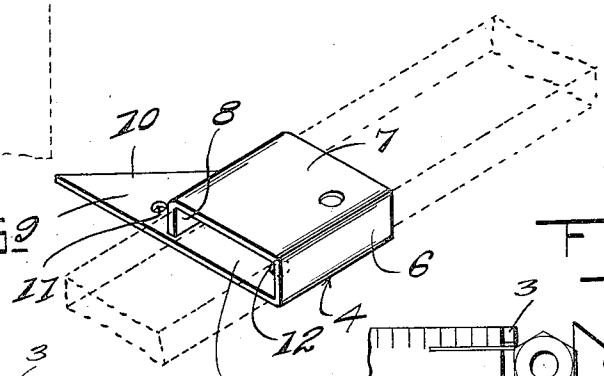


Fig. 6.

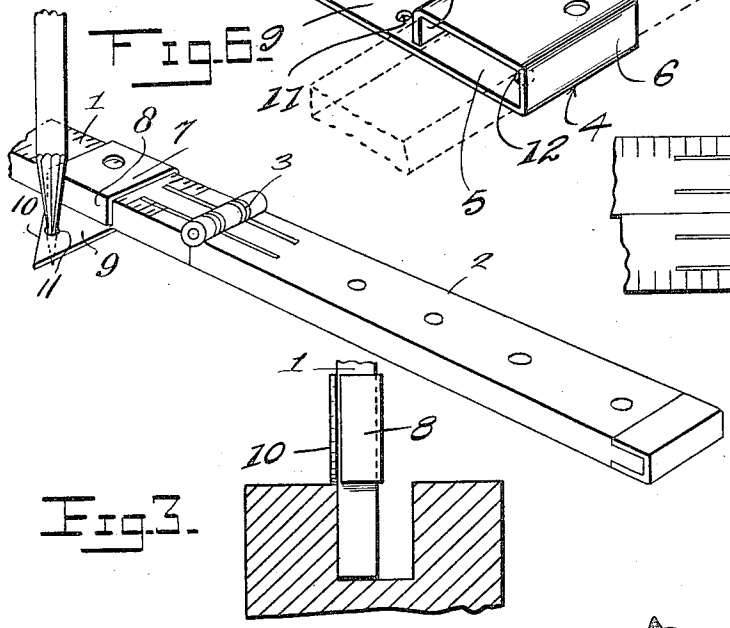


Fig. 5.

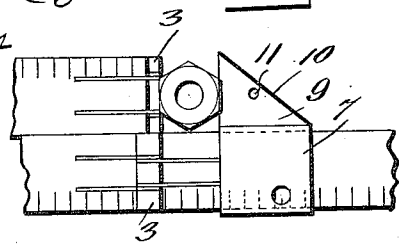


Fig. 3.

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ATTACHMENT FOR FOOT-RULES.

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To all whom it may concern:

Be it known that I, ORVILLE L. WOOD, a citizen of the United States, residing at Bremerton, in the county of Kitsap and State of Washington, have invented certain new and useful Improvements in Attachments for Foot-Rules; and I 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 new and useful improvements in attachments for foot rule and has for its principal object to provide a device which will render a foot rule useful as a square to enable the user to make miter joint as a gage to measure the depth of grooves and the like.

Another object of the invention is to provide a simple and efficient device which may be made of a single sheet of resilient material and thereby eliminate the necessity of using screws or other fastening means for its adjustment.

Still another object of the invention is to provide a device which will enable the user to draw circles of varying sizes without the necessity of using a compass or the like.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts which will be fully set forth in the following specification and accompanying drawing, in which,

Figure 1 is a view of a foot rule illustrating this device as it would appear when applied thereto. Fig. 2 is a detail perspective view of the invention, and Fig. 3 illustrates the device applied in use as a depth gage. Fig. 4 is a view illustrating the device in use as a miter square, Fig. 5 illustrates the device in use as a nut gage, and Fig. 6 shows the device in use as the fixed point of a compass.

Referring now to the drawing by characters of reference, the numerals 1 and 2 designate respectively the legs of the usual foot rule which are hinged together at their ends 3. The attachment which is designated generally by the numeral 4 is shown applied thereto and will be more fully hereinafter described. The attachment 4 above mentioned comprises the base plate 5, one edge of which is bent upwardly as at 6 to engage one of the edges of the rule. A parallel plate 7 is formed at the upper edge of the portion 6 and lies parallel with the plate 5 hereinbefore referred to. Extending downwardly from the opposite edge of the plate 7 is the wall 8 which engages the inner edge of the rule and thus forms a rectangular casing in which the rule is slidably mounted. Formed on the edge of the base plate opposite the extension 6 is the flange or other projection 9, the beveled wall 10 of which extends at an angle of substantially 45 degrees as clearly shown in the drawing. This edge 10 is placed against the article to be mitered so that the rule projects at an angle of 45 degrees across the face of the same thus providing a device which may be used as a miter square. Formed in the triangular extension 9 near the base plate 5 is the aperture 11 which is arranged to receive a pointed instrument of any suitable character when the device is in use as a compass. A similar aperture 12 is formed in the plate 7 near its apertured edge and this aperture is arranged to permit the calibrations on the rule to be easily read.

It will be apparent from the foregoing that when it is desired to use the device as a compass one leg of the rule is provided with apertures at spaced intervals which are arranged to receive a securing means, the guard is then slipped to the desired position on the opposite leg of the rule and a pencil is inserted through the aperture 11 whereupon the user swings the opposite leg of the rule on its central pivot thereby causing the pencil to travel in an arcuate path. By changing the position of the attachment on the movable leg circles of varying sizes may be made. Should it be desired to use the device as the miter square the guard is placed so that the rule projects from the proper side and upon placing the device on the article which is to be mitered it will be evident that the proper angle will be obtained. The device may be equally as well used as a depth gage when cutting grooves and the like and this use is so illustrated in Fig. 3.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that such changes may be made in the combination and arrangement of parts as will fall within the spirit and scope of the appended claims.

What is claimed is:—

1. An attachment for foot rules including a base plate, a triangular extension formed

on one of the lateral edges of the base plate, an upstanding extension formed on the opposite edge, a plate parallel to the base plate and a downward extension on the free edge of the parallel plate, the plate and extension being arranged to form an open ended chamber for the reception of one of the legs of the foot rule upon which the device is to be used.

2. An attachment for foot rules including a base plate, a triangular extension on one of the lateral edges of the base plate, said triangular extension being provided with an aperture for the reception of a sharp instrument, an upstanding extension formed at the edge of the base plate opposite the triangular extension, a plate parallel to the base plate formed at the upper end of the upstanding extension, a downturned extension on the parallel plate, the base plate having an opening therein and a foot rule arranged to slide between the base plate and parallel plate to permit the device to be used as a gage.

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