

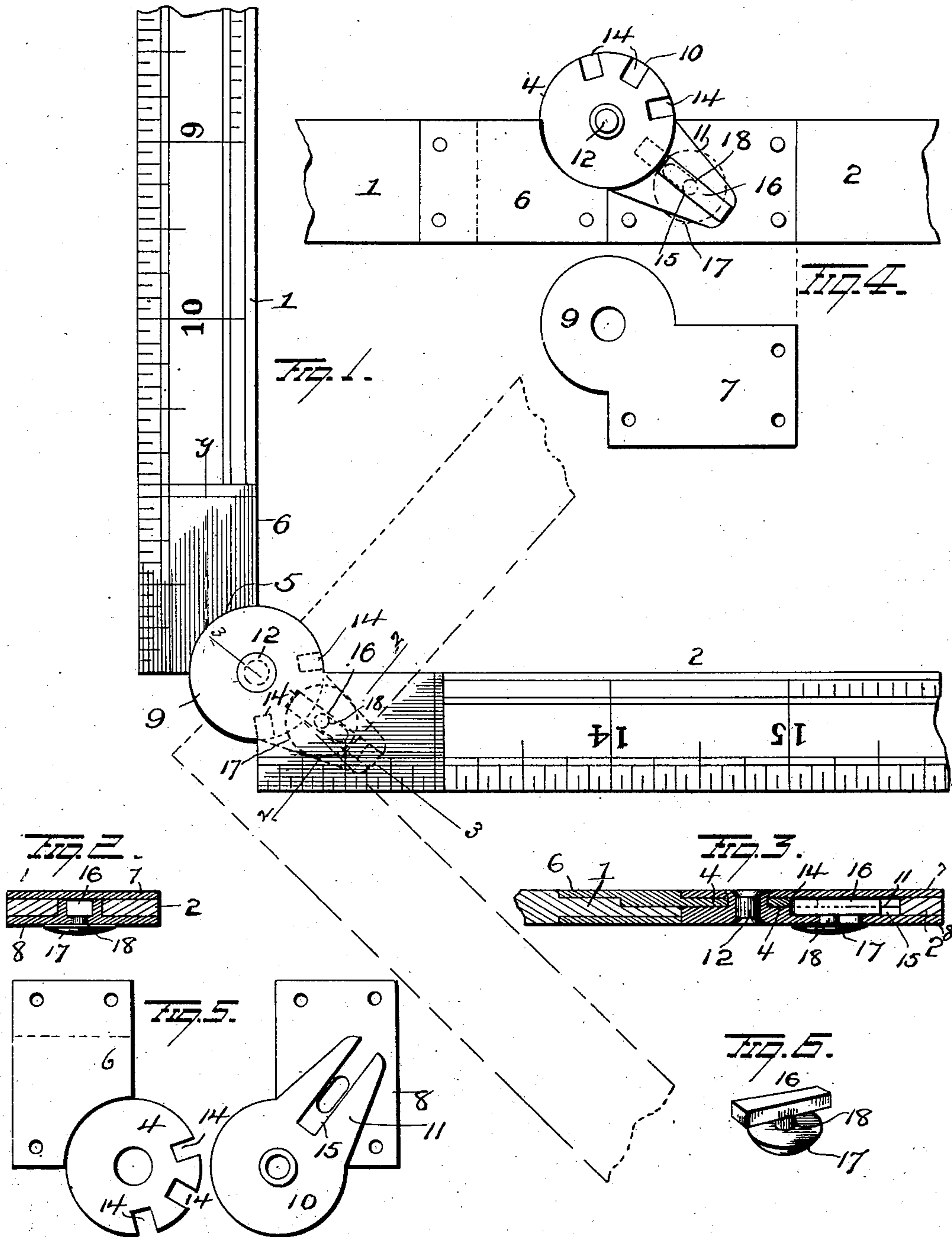
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PATENTED MAR. 15, 1904.

P. S. HAMRICK.  
RULE.

APPLICATION FILED OCT. 28, 1903.

NO MODEL.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

PORTER S. HAMRICK, OF WHITEWATER, WISCONSIN.

## RULE.

SPECIFICATION forming part of Letters Patent No. 754,445, dated March 15, 1904.

Application filed October 28, 1903. Serial No. 178,941. (No model.)

*To all whom it may concern:*

Be it known that I, PORTER S. HAMRICK, a resident of Whitewater, in the county of Walworth and State of Wisconsin, have invented certain new and useful Improvements in 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.

My invention relates to an improved rule, and more particularly to a rule which comprises the functions of a rule, a square, a mitre, and a straight-edge, the object of the invention being to provide improvements of this character which will be simple in construction, cheap to manufacture, neat in appearance, easily operated, and strong and durable in use.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in elevation, illustrating my improvements. Fig. 2 is a view in section on the line 2-2 of Fig. 1. Fig. 3 is a view in section on the line 3-3 of Fig. 1; and Figs. 4, 5, and 6 are views of details of construction.

1 and 2 represent the two halves or members of the rule, which may be of any length and may comprise rigid sections or may each consist of two or more parts hinged together, as is the ordinary carpenter's rule. The member 1 is recessed at one end to receive a plate 6, having an integral circular disk-like projection 4 extending out over the curved end 5 of member 1, and side plates 6 are secured on member 1 by means of rivets or otherwise, effectually securing plate 6 in position and strengthening this end of the member. The member 2 has secured in recesses in its opposite sides metal plates 7 and 8, both of which are made with circular disk-like extensions 9, alining with the disk 4 and on opposite sides thereof. The plate 8 has fixed to its inner face at its disk-like extension a reinforcing disk-like plate 10, conforming to the shape of the plate extension 9 and having a tapering

arm 11 located in a recess in member 2 between plates 7 and 8.

A tubular journal 12 is upset in a central opening in plates 8 and 10, turns freely in a central opening in disk 4 and plate 7, and is upset at its other end to secure all of the parts firmly together, yet allow of free pivotal or hinge movement of the members 1 and 2 with relation one to the other.

The disk 4 at the proper intervals is made with notches 14, and the arm 11, above referred to, has a longitudinal slot or guideway 15 to receive a locking-bar 16, movable therein and adapted to be moved into and out of the notches 14 by an ornamental button 17 on the outside of plate 8, which button is connected with the bar 16 by a pin 18, movable in a slot in plate 8, which slot is completely hid by button 17 to give to the rule a finished appearance.

The operation of my improvements is as follows: When the button 17 is moved backward to free locking-bar 16 from the notches 14 in disk 4, the members 1 and 2 can be swung to an alining or parallel position at will. When it is desired to form an angle, the members 1 and 2 are swung on their pivot or journal 12 until the desired angle is reached, when button 17 is pushed inward, moving locking-bar 16 into the proper notch 14 in disk 4, and effectually secure the members at the proper angle.

My improvements are of extremely simple construction, are strong, durable, and not at all liable to get out of repair, can be easily operated, and are neat and attractive in appearance.

A great many slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. In a rule, the combination of two members, of a notched disk fixed to one member,



plates secured on opposite sides of the other member and inclosing the disk, a reinforcing-plate secured to one of said last-mentioned plates and having an arm thereon, a journal 5 passed through all of said plates and disk, a locking-bar movable in a guideway in said arm, and means for moving the bar into and out of the notches in the disk.

2. In a rule, the combination of two members, of a notched disk fixed to one member, 10 plates secured on opposite sides of the other member, inclosing the disk, a journal or hinge pin passed through the plates and disk, a reinforcing-plate secured to the inner face of

one of said plates beside the disk and having 15 an integral arm thereon, a locking-bar movable in a guideway in said arm, and a button on the outside of one of said plates, adapted to operate the locking-bar to move it into and out of any of said notches in the disk. 20

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

PORTER S. HAMRICK.

Witnesses:

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