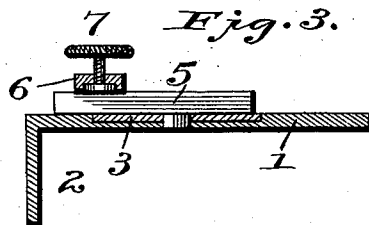
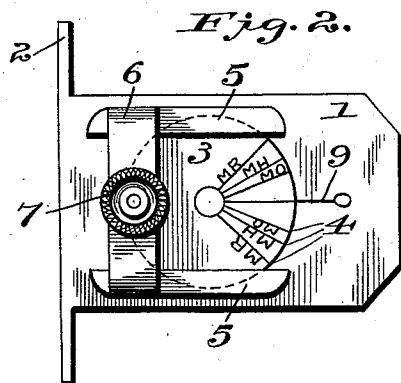
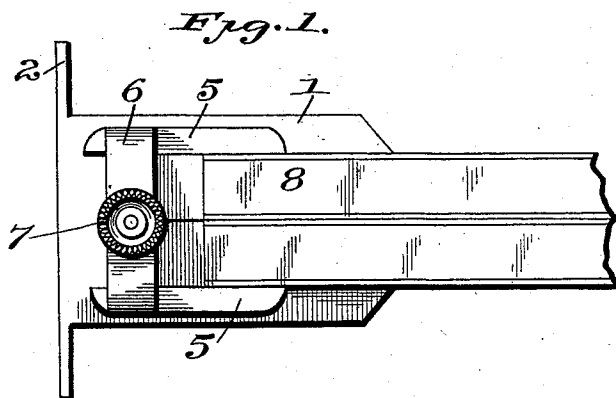


(No Model.)

F. REISSMANN.
MITER GAGE ATTACHMENT FOR RULES.

No. 571,052.

Patented Nov. 10, 1896.



Witnesses
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UNITED STATES PATENT OFFICE.

FREDERICK REISSMANN, OF WEST POINT, NEW YORK.

MITER-GAGE ATTACHMENT FOR RULES.

SPECIFICATION forming part of Letters Patent No. 571,052, dated November 10, 1896.

Application filed April 17, 1896. Serial No. 587,974. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK REISSMANN, a citizen of the United States, residing at West Point, in the county of Orange and State of New York, have invented certain new and useful Improvements in Miters and 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 is an improved tool to be used in connection with a carpenter's rule for the purpose of gaging a board to any desired width, of constructing a right angle on a board, and of finding the miter cut for any polygon which may be used in the construction of buildings.

The invention consists of a metal plate having a flange thereon at right angles thereto, a disk rotatably mounted in said plate and held at any point within its range of movement by friction, and a clamp for a carpenter's rule secured to said disk and adapted to be rotated therewith. The rotating disk is graduated with marks indicating miter cuts for a right angle, for a hexagon, and for an octagon. These are adapted to be brought in line with the cut upon the stationary plate for the purpose of adjusting the rule at any angle desired.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 represents a plan view of my device with a carpenter's rule shown applied thereto. Fig. 2 is a similar view of the same with the rule removed. Fig. 3 is a longitudinal section through my device.

Like reference-numerals indicate like parts in the different views.

My tool or rule attachment is made up of a plate 1, having a flange 2 projecting from its under side at right angles therewith. Rotatably mounted in the plate 1 is a disk 3, which is provided with a series of graduations 4, indicating, respectively, a right angle, a miter for a hexagon cut, and miter for an octagon cut.

Secured to the upper surface of the disk 3 are a pair of parallel bars 5 5, which are connected by a cross-piece 6, in which is a thumb-screw 7, the whole constituting a clamp for securing an ordinary rule 8 to the disk 3. In using my device the rule 8 is placed within

the clamp provided therefor and the plate 1 rested upon the board to be operated upon, the same being held in position by the flange 2 on said plate. If it is desired to gage the board to a certain width, the disk 3 is so turned as to bring its central graduation into engagement with a notch or cut 9 on the plate 1. The proper width of board may then be marked off by the rule 8. In this position of the disk 3 a right-angle line may be drawn. In case it is desired to obtain the miter for a hexagon the disk is so turned that the line marked M H is brought into alinement with the notch or cut 9, and likewise when the miter for an octagon is desired the line marked M O is brought into line with the notch or cut 9.

While I describe the disk 3 as being provided with graduations indicating the miter for the right angle, the hexagon, and octagon, I do not wish to limit myself to these graduations alone, as it is obvious that the same may be provided with graduations indicating the miter for any polygon.

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

1. The herein-described rule attachment made up of a plate, having a flange at right angles thereto, a disk rotatably mounted in said plate and provided with graduations indicating the miters for different polygons and a suitable clamp for a rule secured to said disk, substantially as described.

2. The herein-described rule attachment made up of a plate having a flange at right angles thereto, a disk rotatably mounted in said plate and provided with a series of graduations indicating the miters for different polygons, a pair of bars secured to said disk, a cross-bar connecting the same and a thumb-screw in said cross-bar whereby a rule may be conveniently attached to and detached from said disk, substantially as and for the purpose described.

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

FREDERICK REISSMANN.

Witnesses:

HENRY T. ALLEN,
ISAAC S. BOYLE.