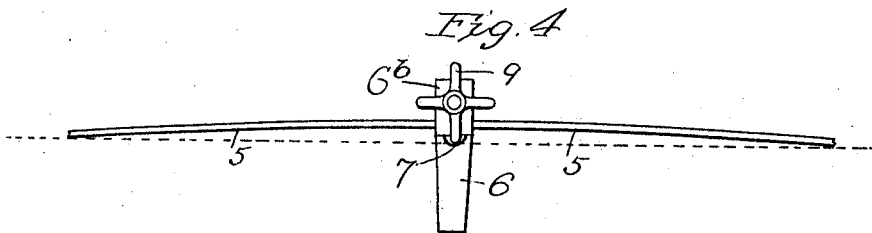
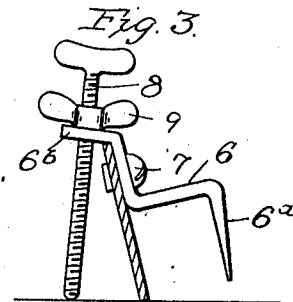
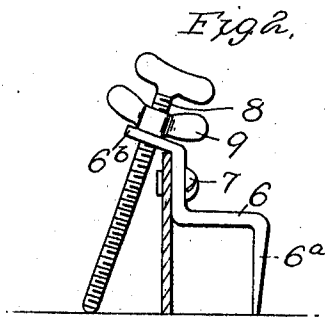
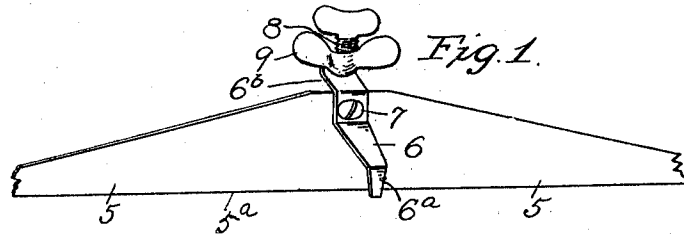


J. H. MINER.  
 COMBINED GAGE AND STRAIGHT EDGE.  
 APPLICATION FILED FEB. 5, 1910.

982,624.

Patented Jan. 24, 1911.



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# UNITED STATES PATENT OFFICE.

JAMES HENRY MINER, OF LUMBERTON, MISSISSIPPI.

COMBINED GAGE AND STRAIGHT-EDGE.

982,624.

Specification of Letters Patent.

Patented Jan. 24, 1911.

Application filed February 5, 1910. Serial No. 542,344.

*To all whom it may concern:*

Be it known that I, JAMES H. MINER, a citizen of the United States, residing at Lumberton, Mississippi, have invented certain new and useful Improvements in Combined Gages and Straight-Edges, of which the following is a specification.

My invention relates to an improved adjustable gage and straight edge for saws and comprises the novel features of construction and arrangement and combination of parts hereinafter described and particularly set forth in the appended claims.

A device constructed in accordance with my invention is illustrated in the accompanying drawing, in which:—

Figure 1 is a perspective view. Fig. 2 is a transverse section showing the device as used for a straight edge. Fig. 3 is a similar view showing how the device is used as a gage, and Fig. 4 is a plan view.

Referring by reference characters to this drawing, the numeral 5 designates a plain piece of sheet metal, preferably of heavy tempered steel, which will not sag, wear or bend, which is slightly curved from end to end as shown in Fig. 4 to enable the device to be used for testing a dished saw as hereinafter described, and which has a "straight edge" 5<sup>a</sup> as indicated in Fig. 1 or edge which lies in a plane perpendicular to the body 5. Rigidly connected to the center of this plate or blade is a member or bracket 6, secured in any suitable manner, as for instance by one or more rivets, as indicated at 7. This member has an offset portion terminating in a leg or arm 6<sup>a</sup>, the end of which terminates or lies in a plane which is perpendicular to the plate 5 and in which lies the said "straight edge" 5<sup>a</sup>. Thus when the device is placed against a saw with the edge 5<sup>a</sup> and the end of the arm 6<sup>a</sup> in contact with the surface of the saw the plate or blade 5 will be held perpendicular to the saw and consequently the blade or member 5 will act as a straight edge. The bracket 6, has a portion 6<sup>b</sup> extending across the top of the plate 5 at an angle as shown and through a threaded opening in this part 6<sup>b</sup> is threaded a thumb screw 8, which is provided with a lock nut 9 for locking it in any desired position.

By adjusting the thumb screw its end may

be raised more or less above the line of the edge of the plate 5, as indicated in Fig. 3. The edge 5<sup>a</sup> lies at all points in a plane perpendicular to the plane of the body 5, and the end of the leg or arm 6<sup>a</sup> lies in the same plane as does the edge 5<sup>a</sup>, and thus when the straight edge 5<sup>a</sup> and the end of the leg 6<sup>a</sup> are both in contact with the saw, the edge 5<sup>a</sup> acts as a straight edge, and will indicate any irregularities in the surface of the saw. If, however, the device is to be used in connection with a dished saw for testing the surface curvature or to determine any irregularities, the thumb screw 8 is adjusted, and when the edge 5<sup>a</sup> and the end of the thumb screw are both in contact with the face of the saw, as indicated in Fig. 3, the blade 5 will be held inclined out of the vertical, and, consequently, its edge will act as a curve indicator.

Having thus described my invention, what I claim is:—

1. In combination a blade having its body curved, and having an edge lying in a plane perpendicular to said body, and a longitudinally adjustable member connected with said blade and having its end suitably spaced from the said edge of the blade, substantially as described.

2. In combination a blade or body member curved throughout its length and having an edge lying in a plane perpendicular to the said blade, and adjustable means adapted to bear on the surface against which the said edge of the blade is placed for holding said blade at any desired angle to the said surface, substantially as described.

3. In combination a blade or body member curved throughout its length and having an edge lying in a plane perpendicular to said blade, a bracket secured to said blade and having an arm with its end terminating in a plane perpendicular to the said blade and in which the edge of the blade lies, and a longitudinally adjustable member carried by the bracket on the opposite side of the blade and having its end spaced from the end of the blade, substantially as described.

4. In combination a blade or body member curved throughout its extent, and having an edge lying in a plane perpendicular to the plane of the blade, a bracket secured to the blade, and having an arm or portion

spaced therefrom with its end lying in a  
plane which is perpendicular to the blade,  
and in which plane the edge of said blade  
lies, said bracket having an inclined part  
5 extending across the top of the blade, and a  
thumbscrew threaded through said extended  
part, substantially as described.

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

JAMES HENRY MINER.

Witnesses:

T. C. McLAIN,  
G. I. CROOK.