W. M. DUNN.

Lumber-Gage for Saw-Mills.

No. 216,161. Patented June 3, 1879.

Fig. 1.

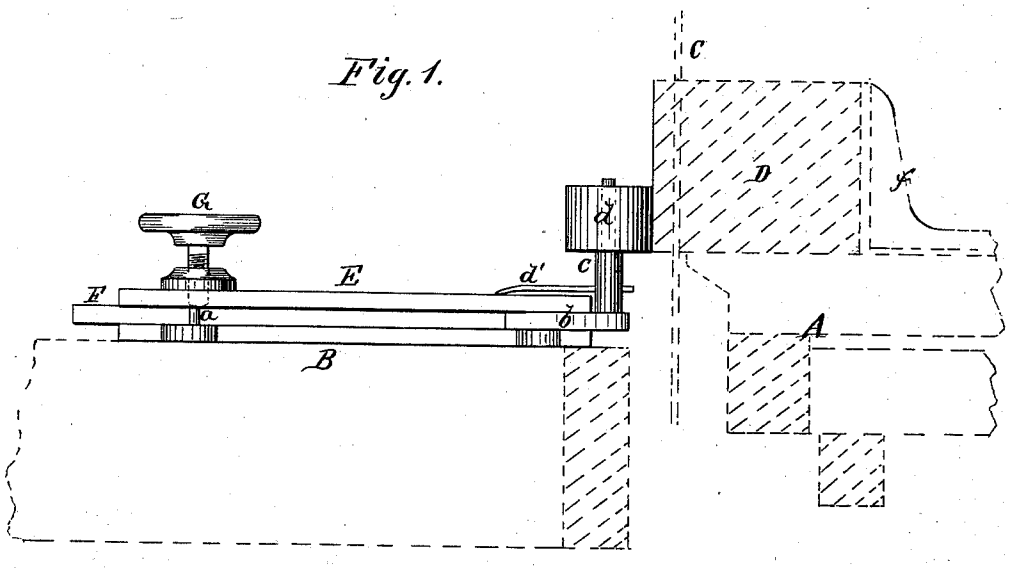
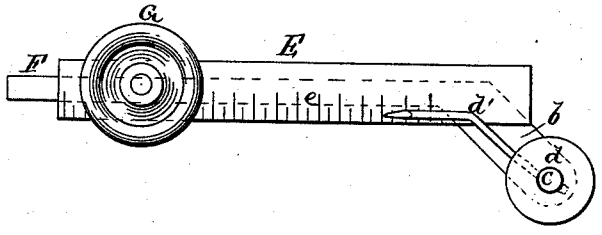


Fig. 2.



WITNESSES:

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WILLIAM M. DUNN, OF GRAYSVILLE, GEORGIA.

IMPROVEMENT IN LUMBER-GAGES FOR SAW-MILLS.

Specification forming part of Letters Patent No. **216,161**, dated June 3, 1879; application filed March 14, 1879.

To all whom it may concern:

Be it known that I, WILLIAM M. DUNN, of Graysville, in the county of Catoosa and State of Georgia, have invented a new and Improved Lumber-Gage, of which the following is a specification.

The object of this invention is to provide a gage for sawing lumber which is perfectly accurate, and corrects any error that may be made by the lost motion of the head-blocks and from other causes.

It consists of a guide in which is placed a bar with an arm projecting from it at one end and carrying a loose pulley and a pointer running over a scale on the guide. The arm and pulley are adjusted by means of a set-screw, and, the log being thrown against it by the head-blocks, it gages accurately the width or thickness of the lumber and prevents inaccuracies.

In the accompanying drawings, Figure 1 is a side view of my instrument applied to a saw-frame with the saw, log, and carriage in dotted lines, and Fig. 2 is a top view or plan of the same.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A is the log-carriage. B is the saw-frame. C is the saw; and D represents a log on the carriage. E is the guide, which is bolted to the saw-frame just in front of the sawyer and at right angles to the saw. It has in the front edge a longitudinal groove, in which runs a bar, F. This bar is confined in the groove by a pin, *a*, or in any other suitable manner, and its end *b*, adjacent to the saw, is bent out at an obtuse angle, and carries on a post, *c*, a loose pulley, *d*, which, when the bar is moved back and forth, moves parallel to the face of the guide. From the post *c* a bent pointer, *d'*, extends backward to a scale, *e*, on top of the guide, and a set-screw, G, is used to confine the bar and pointer at any required point.

The bent end *b* holds the pulley *d* forward of the saw, and when, in operation, the head-blocks *f* throw the log forward for a cut, they project it against the pulley *d*, which stops it and thus gages the cut, so that if there is any lost motion in the head-blocks, or any mistake made in turning them, this gage, which is fixed at the proper point on the scale by the sawyer, stops the log at the proper point invariably, and thus corrects any mistake that may be made, whereby the lumber can be cut accurately at all times.

The looseness of the pulley, of course, prevents any friction.

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

A lumber-gage consisting of a longitudinally end grooved and rotated guide, E, a bar, F, secured by a pin in said groove and having a bent end, *b*, and the post *c*, attached to one end of bar F, carrying a loose pulley and pointer, as shown and described.

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Witnesses:

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