F. WHEELER.

ADJUSTABLE-GAGE FOR SAW-MILLS.

No. 193,202. Patented July 17, 1877.

Fig: 1.

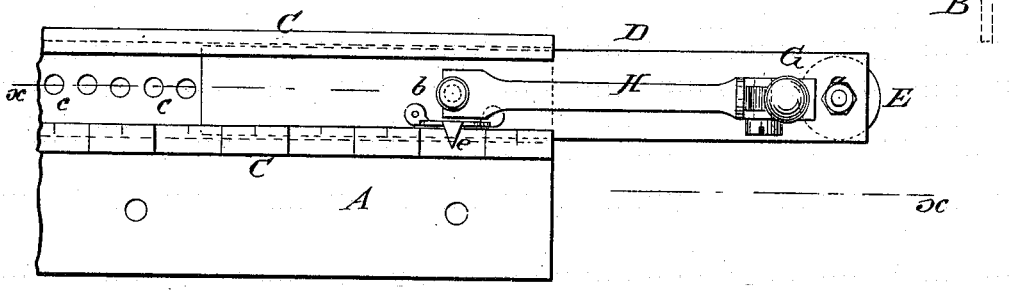



Fig: 4.

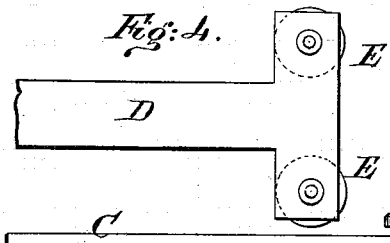



Fig: 2.




Fig: 6.

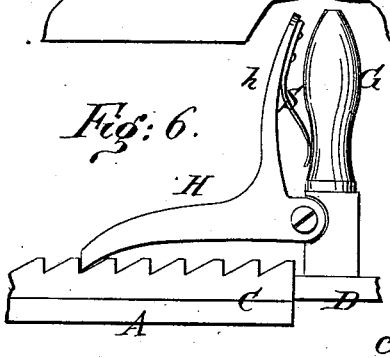



Fig: 3.

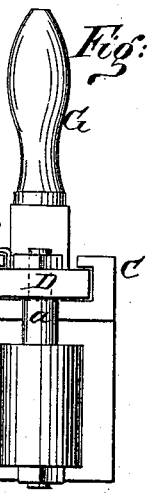
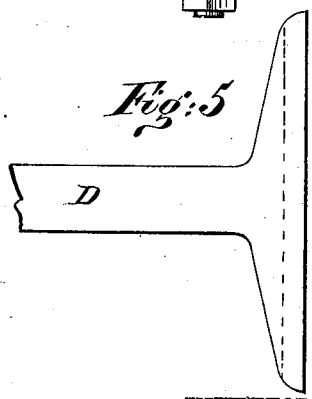



Fig: 5




WITNESSES:

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# UNITED STATES PATENT OFFICE.

FRANKLIN WHEELER, OF BERLIN, NEW HAMPSHIRE.

## IMPROVEMENT IN ADJUSTABLE GAGES FOR SAW-MILLS.

Specification forming part of Letters Patent No. **193,202**, dated July 17, 1877; application filed June 25, 1877.

*To all whom it may concern:*

Be it known that I, FRANKLIN WHEELER, of Berlin, in the county of Coos and State of New Hampshire, have invented a new and Improved Adjustable Gage for Saw-Mills, of which the following is a specification:

This invention has relation to gages for circular-saw mills; and the nature of my invention consists in a gage or guide applied to a bar which is adjustable between guides, and provided with a handle and a latching device, as will be hereinafter explained.

In the annexed drawings, Figure 1 is a top view of the improved gage. Fig. 2 is a section taken in the planes indicated by dotted lines *x x* on Fig. 1. Fig. 3 is an end elevation. Figs. 4, 5, and 6 are modifications.

Similar letters of reference indicate corresponding parts.

The letter A designates the bed-plate of the gage, which is secured upon a solid foundation, and arranged at right angles to the plane of the saw, which is indicated by dotted lines B. On this bed-plate A are constructed two parallel guides, C C, between which is a sliding gage-bar, D, of any suitable length.

E designates a gage-roller, applied on a post, *a*, so as to rotate freely, which post is rigidly secured to one end of the bar D, and stands perpendicular to it, as shown in Figs. 2 and 3.

Instead of a single roller, E, I may use two rollers, in which case they will be applied on posts fixed to a T-head formed on the end of the bar D, as shown in Fig. 4; or, if desired, the rollers may be omitted, and a flanged T-head used, as shown by Fig. 5. The flange in this last-named instance bears against the stuff.

G designates a handle, which is secured to bar D at the end bearing the roller E, and which is perpendicular to this bar, as shown in the drawings. To this handle is pivoted a latch-bar, H, to the free end of which a shouldered latch-pin, *b*, is loosely applied, which passes freely through the bar D, and enters one of a number of holes, *c*, made through the bed-plate A between the guides C C.

Rising from the pivoted end of the latch-bar H is a tongue, *h*, between which and the handle G is a spring, S, that acts to keep down the latch-pin *b*. By firmly grasping the handle G and tongue *h*, the pin *b* will be raised out of its hole, and the gage-bar D can be adjusted endwise, according as it may be desired to edge the stuff to be sawed.

The top of one of the guides C is graduated by marks corresponding to the holes *c*, and a pointer, *e*, fixed to the bar D opposite to the latch-pin *b*, is used to indicate the position of the roller E with respect to the saw.

Instead of using holes and a latch-pin, as described, ratchet-teeth and a pawl may be used, as shown by Fig. 6.

It will be seen from the above description that the gage can be adjusted instantly and accurately.

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

In combination with the guides C C, the slide-bar D, roller E, handle G, and the latching device H *h* S *b c*, substantially in the manner and for the purpose described.

FRANKLIN WHEELER.

Witnesses:

SULLIVAN D. GREEN,

E. E. FERNALD.