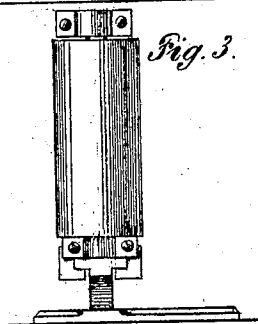
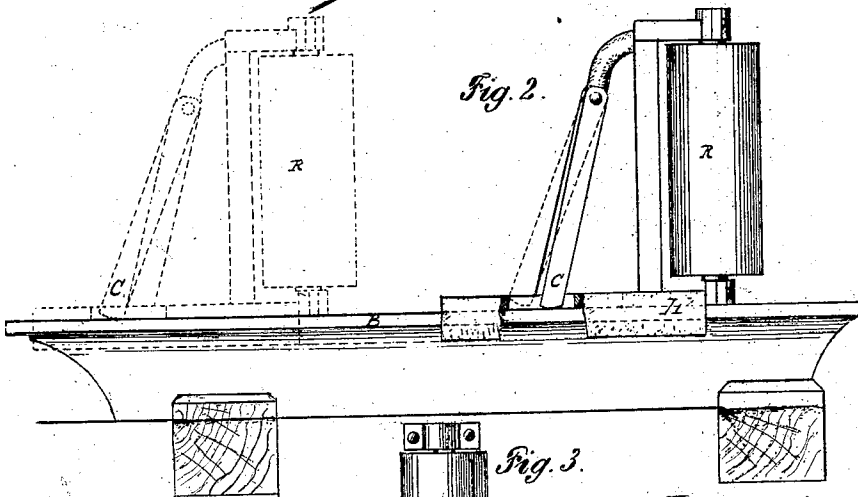
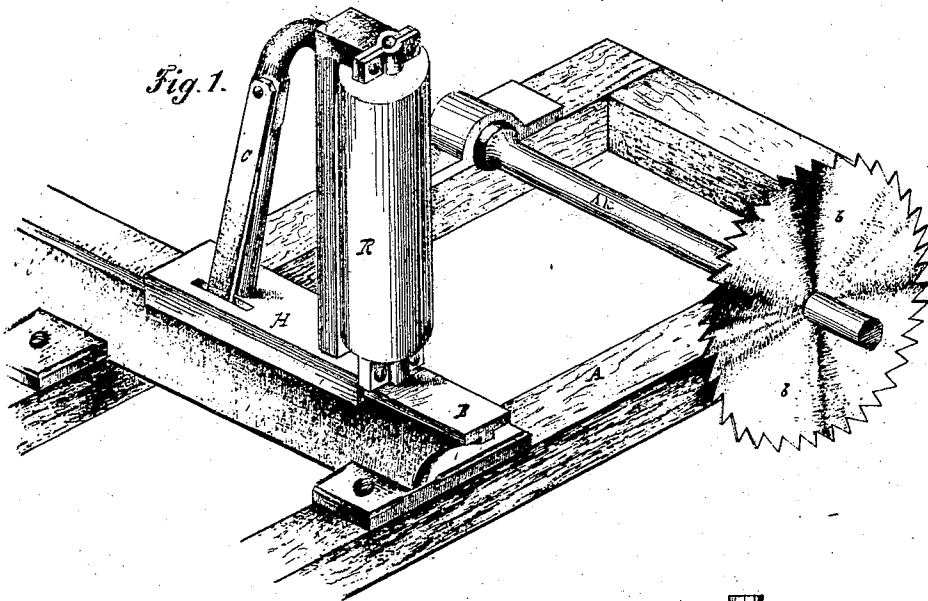


E. W. Beckett,

Head Block.

No. 105294.

Patented July 12, 1870.



Witnesses:
Fred. A. Hobbs
Herrn. Lauter.

Inventor.
E. W. Beckett
by his attys.
A. H. & R. H. Evans

United States Patent Office.

ERASMUS W. BECKETT, OF McCONNELLSVILLE, OHIO.

Letters Patent No. 105,294, dated July 12, 1870.

IMPROVEMENT IN CIRCULAR-SAW MILLS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, ERASMUS W. BECKETT, of McConnellsville, Morgan county, Ohio, have invented a new and useful Improvement on Circular-saw Machines, of which the following is a clear, full, and exact description, reference being had to the accompanying drawing, in which—

Figure I is a perspective view of a saw with my improvement attached thereto.

Figure II is the slide, represented on the head-plate with side view broken.

Figure III is a separate view of the roller.

The object of my invention is to afford greater security against the springing of the timber to be sawed, and the cramping of the saw, and also to furnish a means for securing a uniform thickness of the lumber sawed.

To enable others skilled in the art to make and understand my improvement, I will proceed to describe how I have carried it out.

In the said drawing—

A represents a saw-frame;

s k, the saw-shaft; and

b b, the circular saw.

B is a head-plate, secured to the corner of the saw-frame by means of bolts, and having a flanged top, over and upon which the slide H moves by means of its gib form.

R is a roller, secured to the slide H, and held firmly in position when in use by the dog O, which also prevents the slide from moving when the springing force of the log to be sawed is brought against the roller R, thus securing a uniform thickness to the lumber sawed, and preventing the saw from being cramped by the springing of the timber.

I am aware that the application of head-plates and rollers to saw-frames is not new; but

What I claim, and desire to secure by Letters Patent, is—

The head-plate B, with a flanged top, in combination with the gib-formed slide H, roller R, and dog O, all constructed and operating substantially as and for the purpose set forth.

E. W. BECKETT.

Witnesses:

JAMES M. WEST,

JEPETHA DOUDNA.