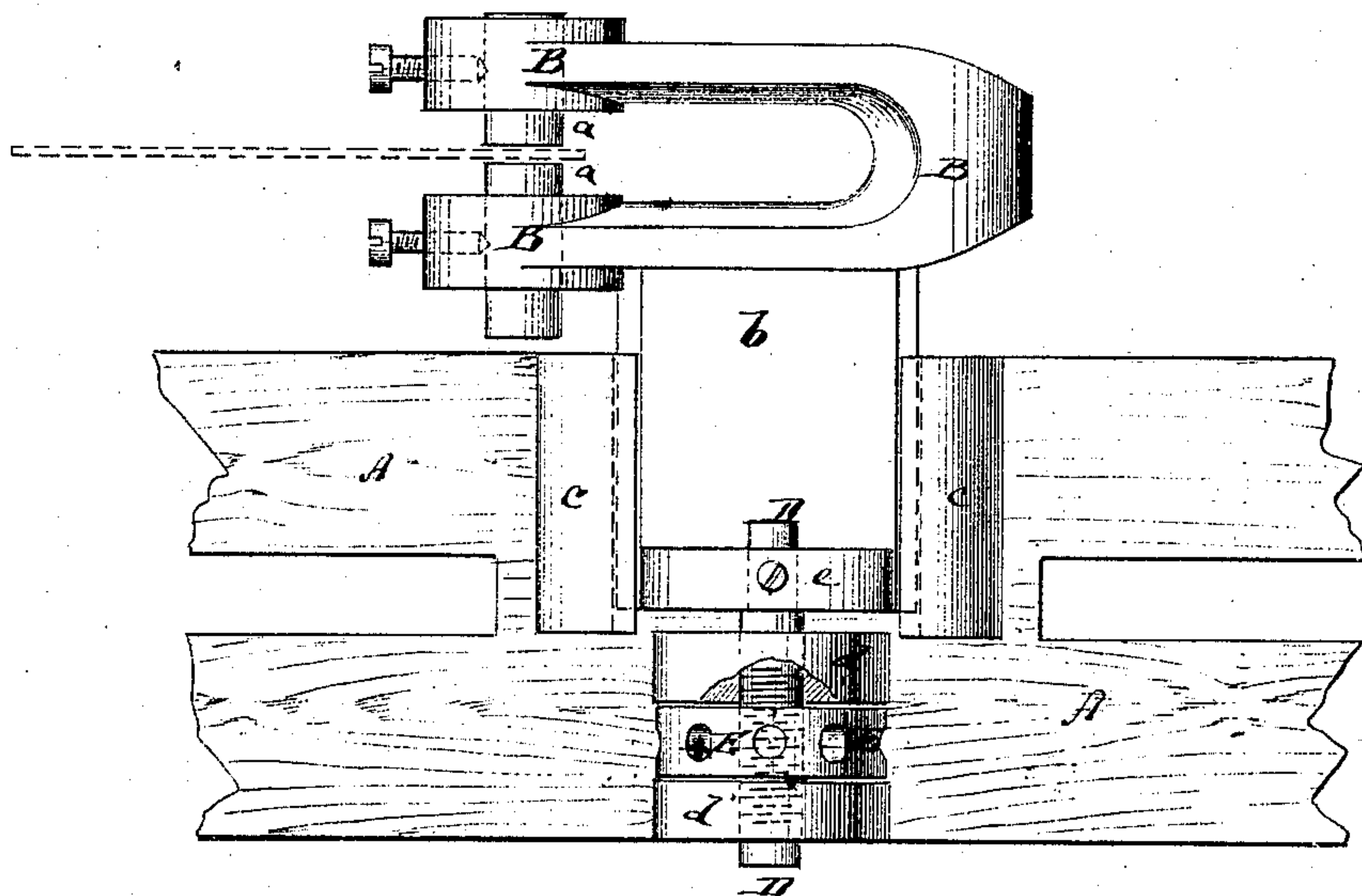


A. Middlebrook,
Circular Saw Mill Guide.
No. 106,387. *Patented Aug. 16. 1870.*



Witnesses:
S. S. Maher
D. Minell

Inventor:
A. Middlebrook
PER *Wm. J. L.*
Attorneys.

United States Patent Office.

ALEXANDER MIDDLEBROOK, OF GLASGOW, MISSOURI, ASSIGNOR TO HIMSELF AND JOHN B. RUTHVIN.

Letters Patent No. 106,387, dated August 16, 1870.

IMPROVEMENT IN GUIDE FOR CIRCULAR SAWS.

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, ALEXANDER MIDDLEBROOK, of Glasgow, in the county of Howard and State of Missouri, have invented a new and improved Guide for Circular Saws; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

The drawing represents a plan or top view of my improved saw-guide.

This invention relates to a new guide for circular saws, which is so constructed that the pins can be simultaneously moved in the same direction, without requiring to be directly handled. The hands of attendants will thereby be kept from dangerous contact with the saw.

The invention consists in securing the forked guide which holds the pins to an adjustable slide, which is connected with a swivel-screw. The pins can thus be set by turning the screw, and need not be touched.

A, in the drawing, represents the bed-plate of the guide. It is provided with a longitudinal slot, to be readily adjustable for saws of different diameters.

B is the saw-guide, carrying the guide-pins *a a* in its forked ends, and made of suitable size.

The guide is provided with a projecting shank, *b*, which is fitted into a grooved portion of the plate A, the groove being formed by projecting ribs *c c*, as indicated in the drawing.

From the plate A project two lugs, *d d*, which support a screw, D, that is swiveled in an ear, *e*, projecting from the shank *b*.

A nut, E, is fitted around the screw D, between the lugs *d*, as shown.

By turning the nut the screw will be transversely moved over the plate A, and will carry the shank *b* and guide B with it. The guide-pins are thereby set by turning the nut, and need not be touched by the attendant.

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

The arrangement, in bed-plate A, and with respect to saw-guide B *b*, of ear *e*, lugs *d d*, swiveled screw D, and nut E, each relatively constructed as and for the purpose described.

ALEXANDER MIDDLEBROOK.

Witnesses:

JAS. W. LEWIS,
JOE D. KEEBAUGH.