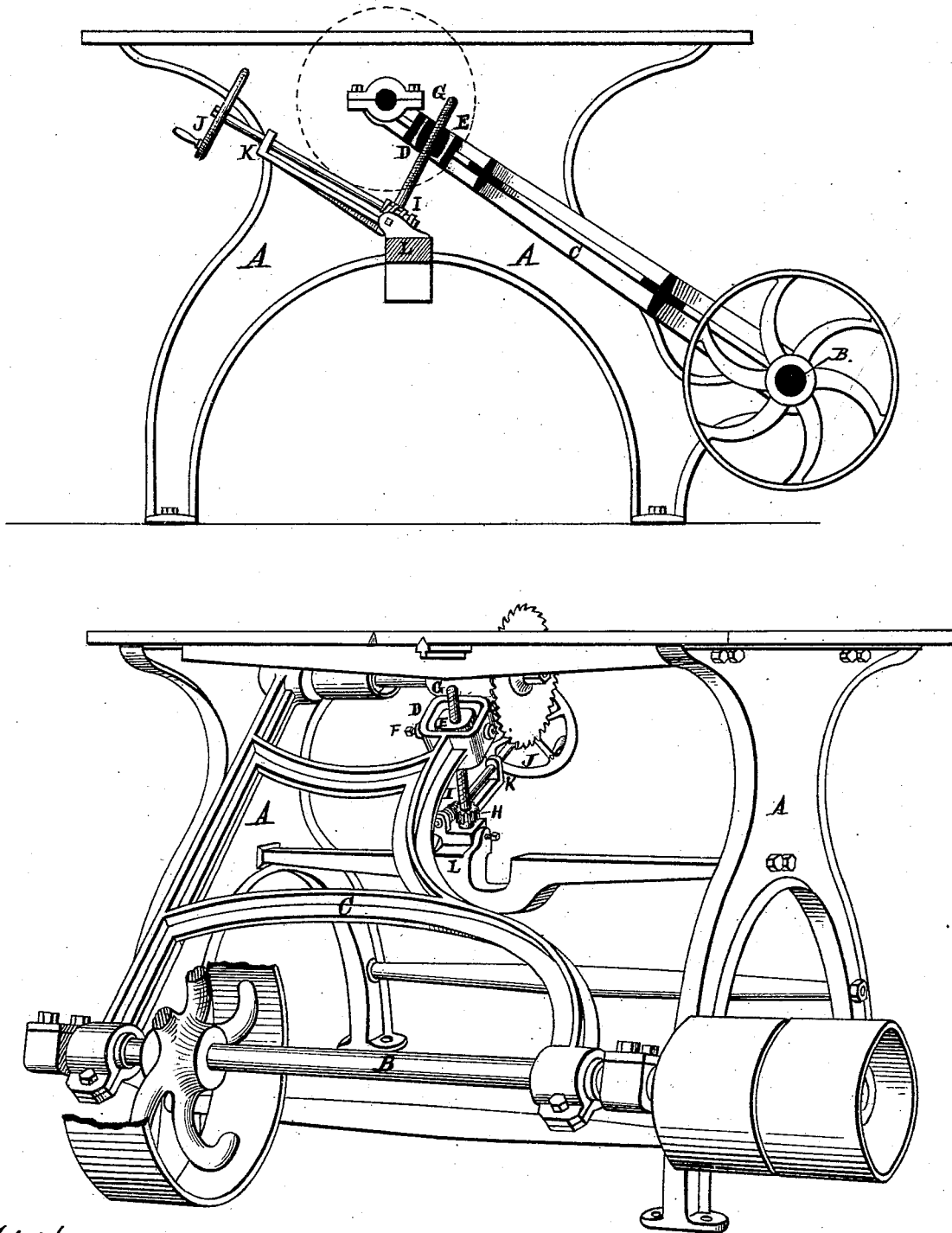


B. F. DUNKLEE.
Circular Saw Bench.

No. 112,908.

Patented March 21, 1871.



Witnesses
Sam. B. Page
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BENN F. DUNKLEE, OF CONCORD, NEW HAMPSHIRE.

IMPROVEMENT IN CIRCULAR-SAW BENCHES.

Specification forming part of Letters Patent No. **112,908**, dated March 21, 1871.

I, BENN F. DUNKLEE, of Concord, in the county of Merrimack and State of New Hampshire, have invented certain Improvements in Adjustable Circular-Saw Benches, of which the following is a specification:

Nature and Object of the Invention.

The object of my invention is to have an adjustable saw that can be raised and lowered, as desired, without increasing or diminishing the tension of the belt or changing the length of its bearings on the pulleys.

The nature of the invention consists in the combination of a circular saw and adjustable swing-frame, a screw-gear, worm, and hand-wheel, in the manner hereinafter more fully described.

Description of the Accompanying Drawing.

Figure 1 is a vertical transverse section of a machine embodying my invention. Fig. 2 is a perspective view of the same, taken from the back of the machine.

General Description.

A A is the frame of the saw-bench, with the bearings of the counter-shaft cast a part of the same. B is the counter-shaft. C is the adjustable swing-frame, which is hung on the bearings of the counter-shaft. The upper end

of the swing-frame C carries the bearings of the saw-arbor, thereby securing a uniform tension of the belt, regardless of the raising or depressing of the saw.

Near the upper end of the frame C is an opening, D, in which is pivoted a nut, E, by two set-screws, F F, which allow the screw G to oscillate in raising and lowering the upper end of the swing-frame C.

On the screw G is a gear, H, that is rotated by the worm I on the shaft of the hand-wheel J, running in bearings of hand-frame K, the lower end of which is pivoted to the cross-bar L. The lower end of the screw G bears upon and passes through the hand-frame, and is secured by a nut underneath.

Claim.

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

The combination of the arm C, nut E, screw G, pinion H, worm I, and hand-frame K, when all the parts are constructed, arranged, and operating in the manner and for the purpose shown and described.

BENN F. DUNKLEE.

Witnesses:

SAML. B. PAGE,
HENRY K. WHITE.