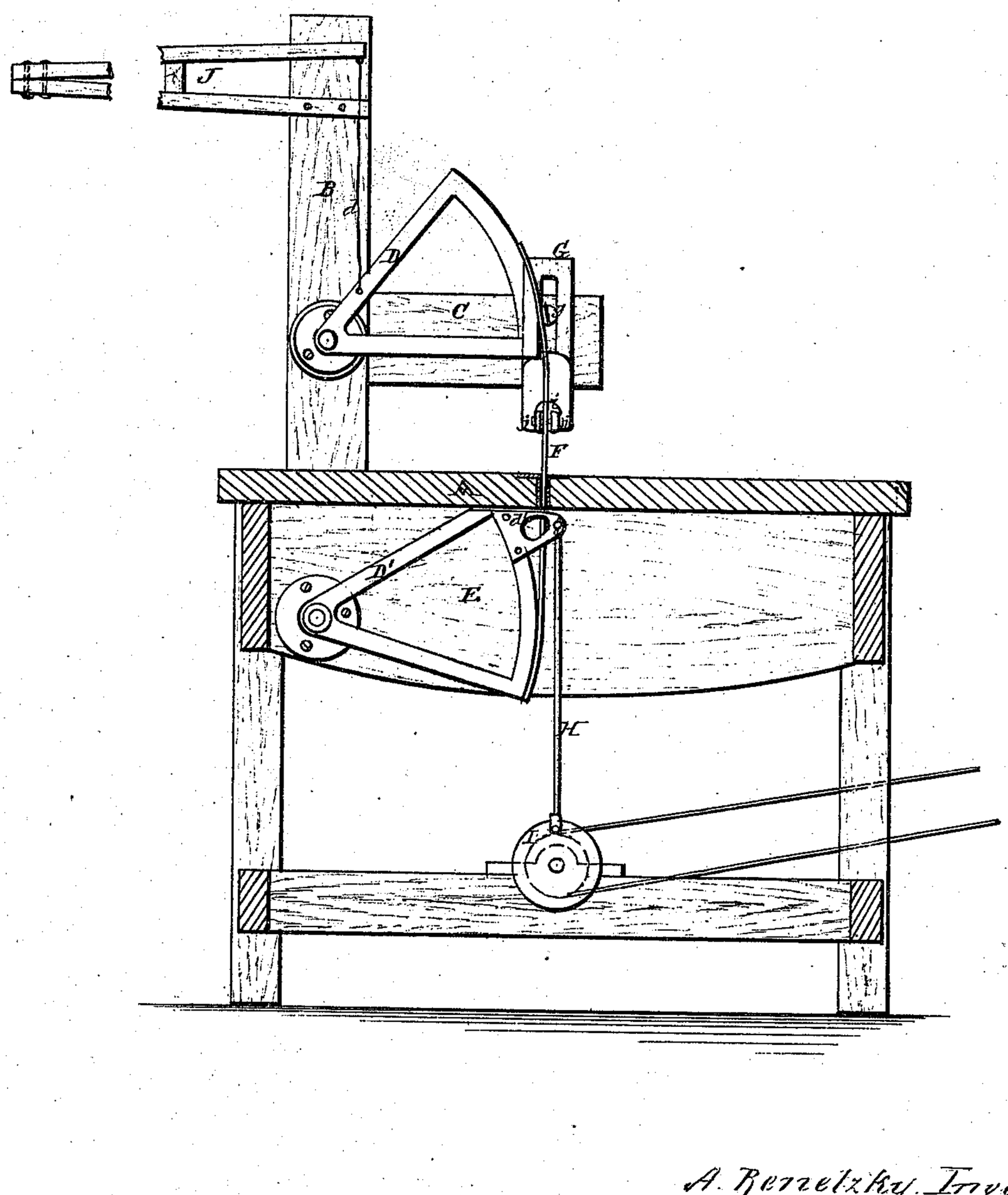
A. Renetzky,

Scroll Saw.

No. 105,848. Patented July 26. 1870.

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# United States Patent Office.

AUGUSTUS RENETZKY, OF LINCOLN, ILLINOIS.

*Letters Patent No.* 105,848, *dated July* 26, 1870.

## IMPROVEMENT IN SAWING-MACHINES.

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, AUGUSTUS RENETZKY, of Lincoln, in the county of Logan and State of Illinois, have invented a new and useful Improvement in Sawing-Machines; and I do hereby declare the following to be a full and sufficient description of the same, reference being had to the accompanying drawing which makes part of this specification, and which represents a side elevation of the same.

The nature of my invention consists in the arrangement of the several parts of my improved sawing-machine, as hereinafter described.

In the drawing I have shown my invention applied to scroll sawing, though it is equally applicable to cutting veneers, ripping and cutting lumber from logs.

A represents the table, resting on a suitable frame, from which rises a standard, B, having an arm, C.

At a suitable distance above the table one radial segment, D, is pivoted on standard B, while under the table, on a brace, E, is pivoted the other radial segment D′.

To the outer ends of these segments are suitably secured the ends of a spring saw, F, which passes through a proper opening in the table.

On the arm C a guide, G, slides vertically, and may be adjusted by set-screws *g*. This guide carries a forked head, *i*, between the forks of which the saw moves, it being regulated laterally by screws J′, one passing through each fork.

The segment D′ has a radial extension or arm, *d′*, by means of which it is connected to the driving-power, an arm, H, being pivoted to it and to a disk, I, on the driving-shaft, to which latter motion is imparted by any suitable means.

On the standard B, in any suitable position above the segment D, is secured a spring, J, which is connected to segment D by a rod, *d*.

As the driving-shaft revolves, the segment D′ is forced downward by means of arm H, the segment D following its movement, and compressing the spring J.

When the segment D′ again assumes its normal position, the spring J, expanding, elevates the segment D, without which elevation the saw would bend and break.

Having thus described my invention,

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

The arrangement of the segments D D′ *d′*, independent of each other, and connected only by the saw F, spring J, and crank-arm H, all constructed, arranged, and operating as herein described and shown.

Witnesses: AUGUSTUS RENETZKY.

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