2 Sheets—Sheet 1.

P. NEEB.

SAW TABLE.

No. 110,671. Patented Jan. 3, 1871.

Fig. 2.

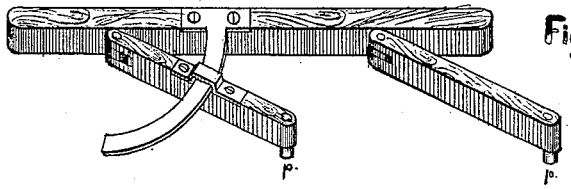


Fig. 1

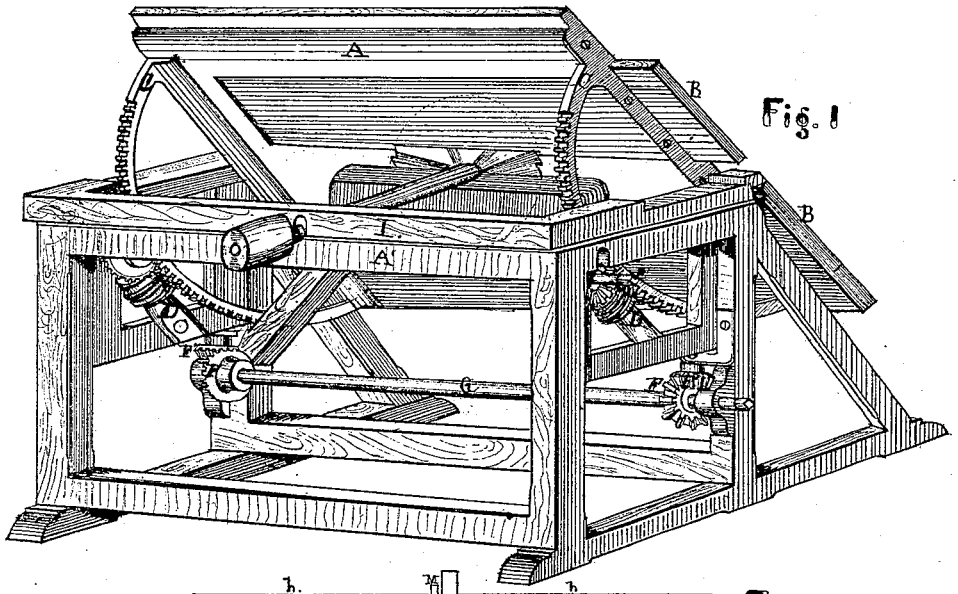
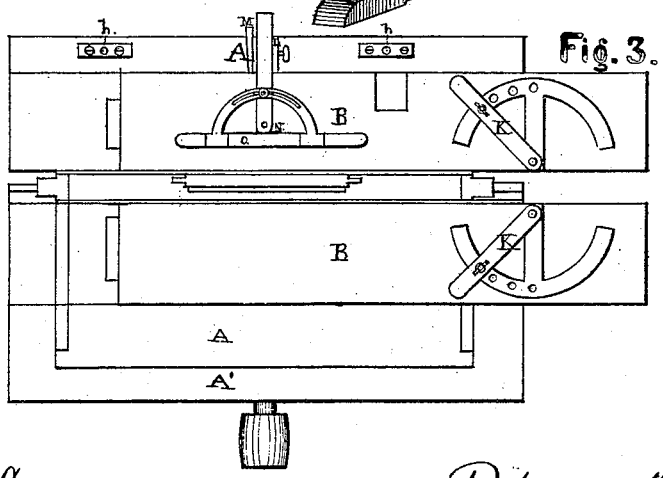


Fig. 3.



Witnesses.

H. Wm. Dopp
Michael J. Stark

Peter Neeb

2 Sheets—Sheet 2.

P. NEEB.

SAW TABLE.

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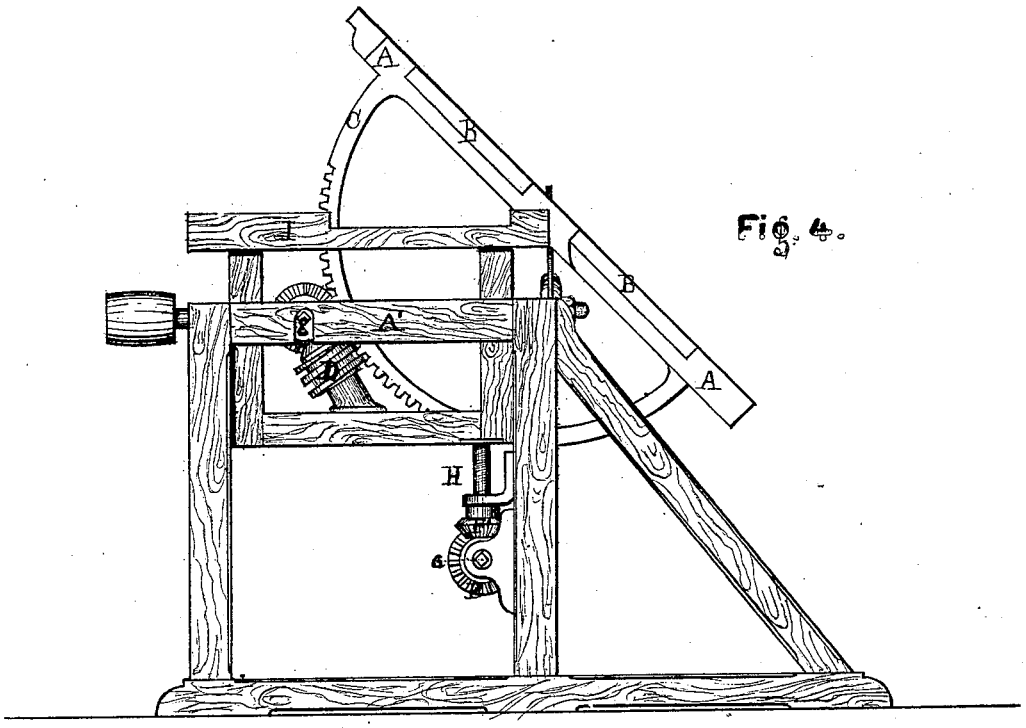

Fig. 4.

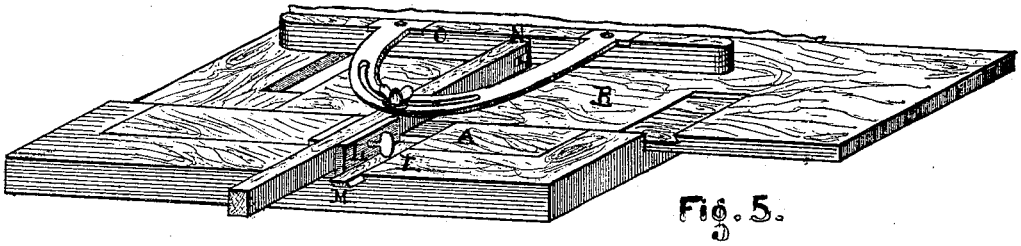

Fig. 5.

Witnesses:

H Wm Dopp

Michael J. Stark

Peter Neeb

United States Patent Office.

PETER NEEB, OF BUFFALO, NEW YORK, ASSIGNOR, BY MESNE ASSIGNMENT, TO MARGARET NEEB.

Letters Patent No. 110,671, dated January 3, 1871.

IMPROVEMENT IN SAW-TABLES.

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

I, PETER NEEB, of Buffalo, in the county of Erie and the State of New York, have invented certain Improvements in Saw-Tables, of which the following is a specification.

The nature of my invention consists—

First, in providing a saw-table for circular saws with two slides B B.

Second, providing the table with two segments C C and worm-wheels D D, in conjunction with said segments C C, for the purpose of setting the table to any desired angle.

Third, in providing the saw with two independent frames, A′ and I, the former for the purpose of receiving the bearings of the saw-mandrel, and the latter to provide for the adjustment of the saw by raising and lowering frame I.

Fourth, in providing a circular-saw table with a gauge, fig. 5, for the purpose of cutting inclines.

I refer to the drawing which makes part of this specification, and in which—

Figure 1 is a perspective view of the two frames and saw-table, showing most of its working parts.

Figure 2 is a common parallel gauge, which is to be secured to the table when used by means of pins *p p* and holes *h h* of table A, figs. 2 and 3.

Figure 3 is a plan view of the saw-table.

Figure 4 is a front view of the saw-frames and table.

Figure 5 is a perspective view of a part of the table, with an incline gauge attached. This gauge is for the purpose of cutting inclines as well as parallels. It is adjustable, and secured by means of the box L and a thumb-screw.

Said box is secured either to slide B or to table A by means of the wedge M, as can be seen in fig. 5.

To cut inclines, the adjustment of the gauge is to be got by securing box L to the slide B for the width, and by setting joint and segment N to the proper angle for the incline.

To cut parallels, the box L is secured to table A, and the adjustment to be had by setting the bar O parallel with the saw, and sliding the gauge in box L to its proper place for the width.

A is the saw-table.

It is provided with two slides B B, one on each side of the saw.

The object of providing A with two slides B B is to enable the operator to saw always with the grain of the wood, which is very desirable for many purposes.

It will be observed that if the gauges K K of slides B B, fig. 3, are set at corresponding angles, much time is saved by handling the work but once; for instance, in mitering picture-frames, which, if done on one side only, requires at least two handlings, &c.

C C are two segments, secured to the table A. They are for the purpose of turning the table, which has its bearing on frame I, to any desired angle.

D D are two worms which fit into the teeth of segments C C. Said worms are each of them provided with a bevel-gear wheel, which makes conjunction with corresponding gears on shaft E.

D D are secured and have their bearings on a rest-pin, which is secured to main frame A′, as plainly seen in figs. 1 and 4.

It will be observed that, by employing a worm in connection with the teeth of segments C C, there is no chance of slipping, and that the table is always secured at any angle it might be set. The shaft E is turned in order to set A on an angle.

F F are two bevel-gear wheels, secured to shaft G. These wheels engage each of them with another gear, F′.

F′ F′ are provided with a screw-spindle, H, in their center, the threaded part of which, projecting upward, engages in two nuts which are secured to frame I, while the lower ends have their bearings in brackets screwed to the main frame A′, as plainly illustrated in fig. 4.

The whole of this arrangement has for its object the raising and lowering of table A whenever it may be desired. Shaft G is to be turned for this purpose.

Having thus fully described my invention,

What I desire to secure by Letters Patent is—

1. The arrangement of parts, table A, slides B B, frame I, spindles H H, and gearings F, the whole to operate as and for the purpose set forth.

2. In combination with slide B, gauge, fig. 5, for the purpose set forth.

PETER NEEB.

Witnesses:

H. WM. DOPP,

MICHAEL J. STARK.