

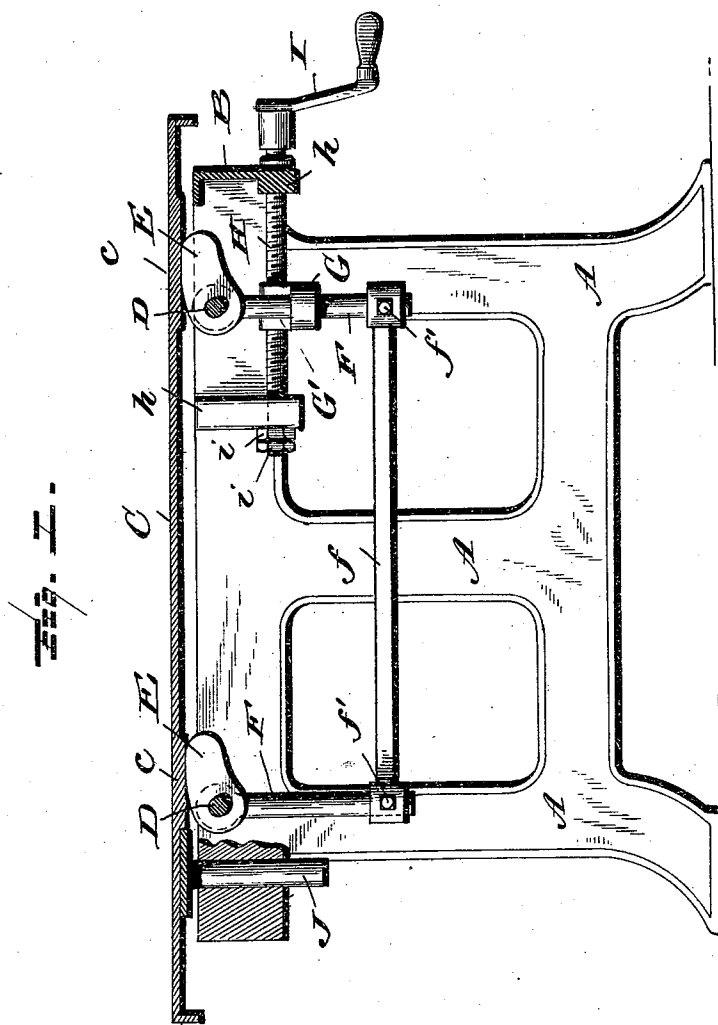
(No Model.)

2 Sheets—Sheet 1.

C. D. MARSH.
SAW TABLE.

No. 501,521.

Patented July 18, 1893.



Witnesses

L. C. Hills.

E. H. Bond.

Inventor

Calvin D. Marsh.

per *Chas. H. Fowler*

Attorney

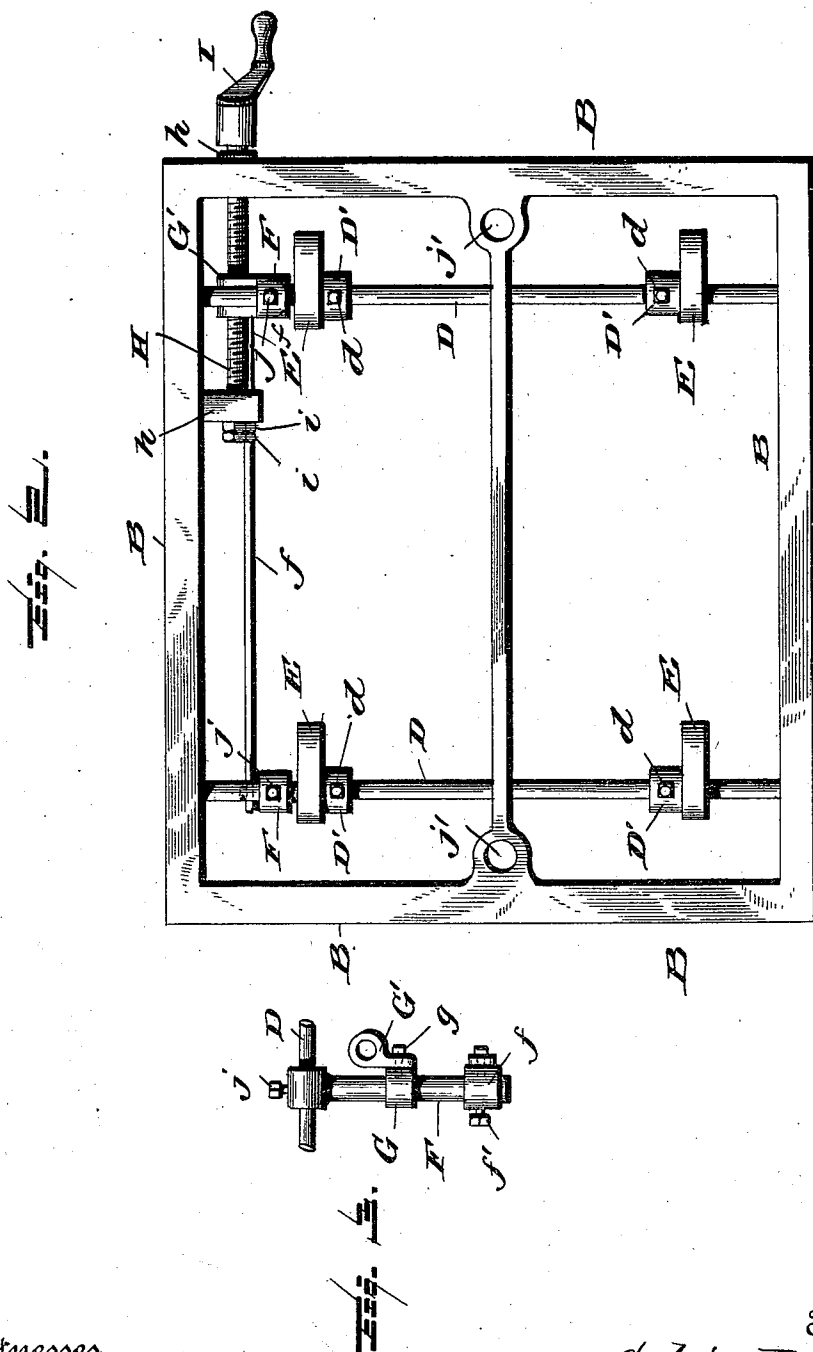
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UNITED STATES PATENT OFFICE.

CALVIN D. MARSH, OF WILLIAMSPORT, PENNSYLVANIA, ASSIGNOR TO THE
ROWLEY & HERMAN COMPANY, OF SAME PLACE.

SAW-TABLE.

SPECIFICATION forming part of Letters Patent No. 501,521, dated July 18, 1893.

Application filed October 1, 1892. Serial No. 447,474. (No model.)

To all whom it may concern:

Be it known that I, CALVIN D. MARSH, a citizen of the United States, residing at Williamsport, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Saw-Tables; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in saw tables and it has for its objects among others to provide a simple and cheap construction and arrangement of parts for raising and lowering the table top.

It has for a further object to provide such a construction as will embody ease and convenience of manipulation, compactness and durability, and by which the table is always held horizontal or level and in which the top will be supported at any desired height without tendency to descend or slip back of its own accord. The means employed for raising and lowering the top are positive in their action and operate upon all four corners of the top simultaneously.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be specifically defined by the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a central vertical longitudinal section through a table constructed in accordance with my invention. Fig. 2 is a plan with the top removed. Fig. 3 is a detail in end elevation.

Like letters of reference indicate like parts throughout the several views in which they appear.

Referring now to the details of the drawings by letter, A designates the support of a table and B a rectangular frame supported thereon. In this frame and by hangers depending from the same are supported the parts which are arranged to raise and lower the table top.

The table top is designated by the letter C and may be of any preferred style, having

preferably upon its under side near each corner a thickened portion *c* upon which the cams bear, as seen in Fig. 1.

D are horizontal shafts extending crosswise of the table and supported in bearings at the ends in the frame or in hangers depending therefrom. On each of these shafts is affixed by some adjustable means, as the set screws *d*, a cam E near each end, the set screws preferably being held in the collars D' on the said cams as seen in Fig. 2. The table top rests upon these cams as shown in Fig. 1. From the vertical arms D depend two shafts F which are connected at their lower ends by the connecting link or bar *f* as seen in Fig. 1, and fastened by set screws *f'*.

On the front arm F is a sliding sleeve G which carries a nut G' connected therewith by a swivel bolt *g* or other suitable means, as seen best in Fig. 3, the connection being such in order to permit the arm F to swing out of perpendicular. The cams being adjustably mounted permit of their adjustment so that the table will rest alike upon all four cams.

H is a screw rod which passes through and engages the nut G' as seen in Figs. 1 and 2 and this screw rod is supported in suitable bearings *h* supported from the frame B as shown in Figs. 1 and 2. It is provided with a suitable handle or other means I for turning it. The end of the screw rod is provided with jam nuts *i* as seen in Figs. 1 and 2. The arms F are rigidly secured to the shafts D by collars and set screws *j* as seen in Figs. 2 and 3.

J are vertical guide posts depending from the table top and passing through holes *j'* in the frame B to guide the table top and keep it in place. There is but one screw rod and but one nut engaging the same.

The operation will be readily understood from the foregoing description when taken in connection with the annexed drawings, and a detailed description thereof is not deemed necessary, further than to state that the simple turning of the screw rod operates all four of the cams alike and consequently raises or lowers the table top evenly and easily and holds the same in any and all of its adjusted positions.

Modifications in detail may be resorted to

without departing from the spirit of the invention or sacrificing any of its advantages.

What I claim as new is—

5 The combination with the movable table top and a plurality of cams arranged to support the same, of shafts carrying the cams, connections consisting of the vertical arms and horizontal connecting link between said
10 shafts, a sleeve on one of the said arms, a nut connected with said sleeve by a swivel bolt,

and a screw rod engaging said nut, as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CALVIN D. MARSH.

Witnesses:

J. CLINTON HILL,
A. N. ARMS.