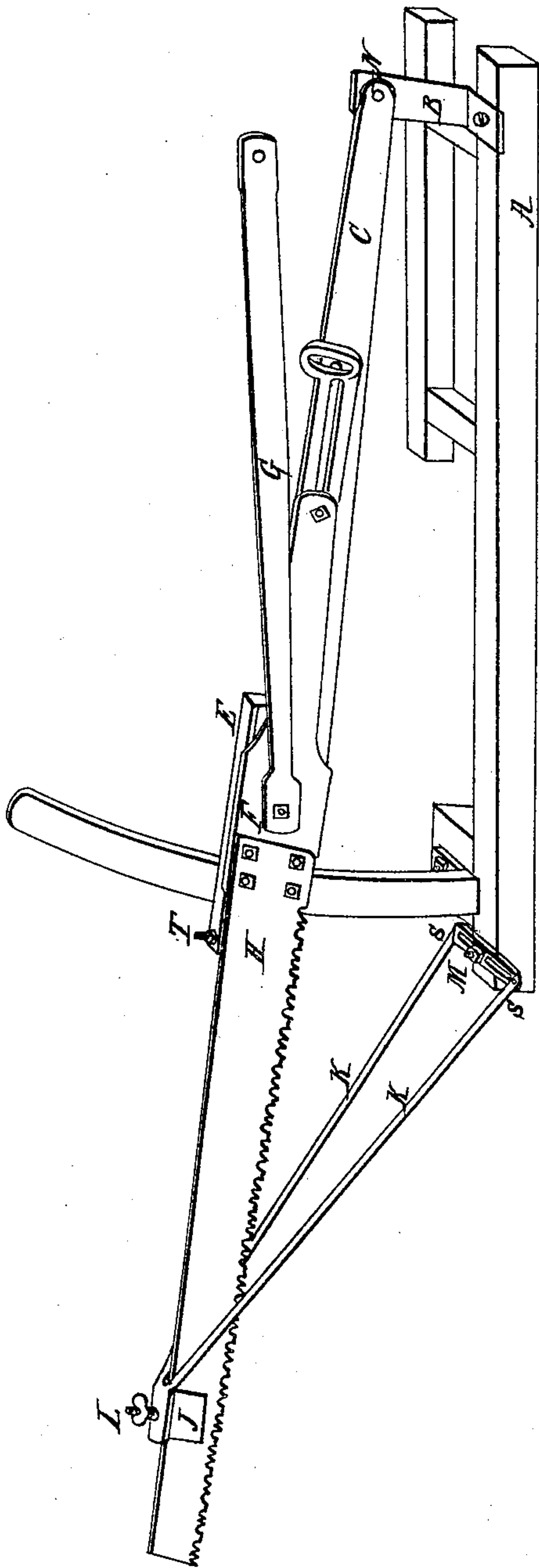


*C. P. Wiggins,
Drag Saw,*

No. 48,879.

Patented July 18, 1865.



*Witnesses:
J. Sharpless
John B. Redstone*

*Inventor:
Charles P. Wiggins*

UNITED STATES PATENT OFFICE.

CHAS. P. WIGGINS, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO CASE,
MARSH & WIGGINS, OF SAME PLACE.

IMPROVEMENT IN SAWING-MACHINES.

Specification forming part of Letters Patent No. 48,879, dated July 18, 1865.

To all whom it may concern:

Be it known that I, CHARLES P. WIGGINS, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement on Riders or Guides on Drag-Saws, called "Charley's Improvement;" and it consists in a double adjustment of it at the head and foot to the direction of the saw-plate and a double attachment to the saw—namely, to the sash or to the frame; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

My invention consists in providing a guide for the saw for the purpose of holding the same in line and preventing all lateral movement, also to insure its proper adjustment in commencing the cut.

A is a frame, to which is attached the standard B, for the purpose of hinging the guide-bar C, to which the slotted and grooved guides D and E are attached for the purpose of directing the motion of the saw-bar F while the same is being reciprocated by means of the connecting-rod G. The saw H is attached by bolts to the saw-bar F in the usual manner.

The saw-guide J, which rests upon the top of the saw, is attached to the saw-guide frame K by means of the set-screw L. The slotted foot or pivot bar of the saw-guide frame K K is adjusted by means of the bolt and nut M operating through the slot in the same.

The guide-frame K K may be attached to the guide-bar C at T.

The following is the operation of the machine: The pitman G being operated in the usual manner, the saw-bar F is set in motion, operating in the guides D and E, which are adjusted to cause the saw to move in a direct line to and from the pivot N, which forms the hinge of the guide-bar C. The saw-guide J, being adjusted to coincide with the line of the saw, is firmly held in position by the set-screw L. The saw-guide frame K is then attached to the frame A at M, or to the guide-bar C at T.

It will be seen that a universal or any required lateral adjustment may be effected. The saw-guide frame K, being hinged at S S, allows it to be raised and lowered, still keeping its position upon the saw to prevent its lateral motion.

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

The arrangement of the saw-guide J, set-screw L, guide-frame K K, with slotted foot or pivot bar S S and M, when constructed and operated substantially as set forth.

CHARLES P. WIGGINS.

Witnesses:

JNO. L. SMITHMYER,
THOMAS GOTT.