

Patented July 10, 1860.

Fig. 3.

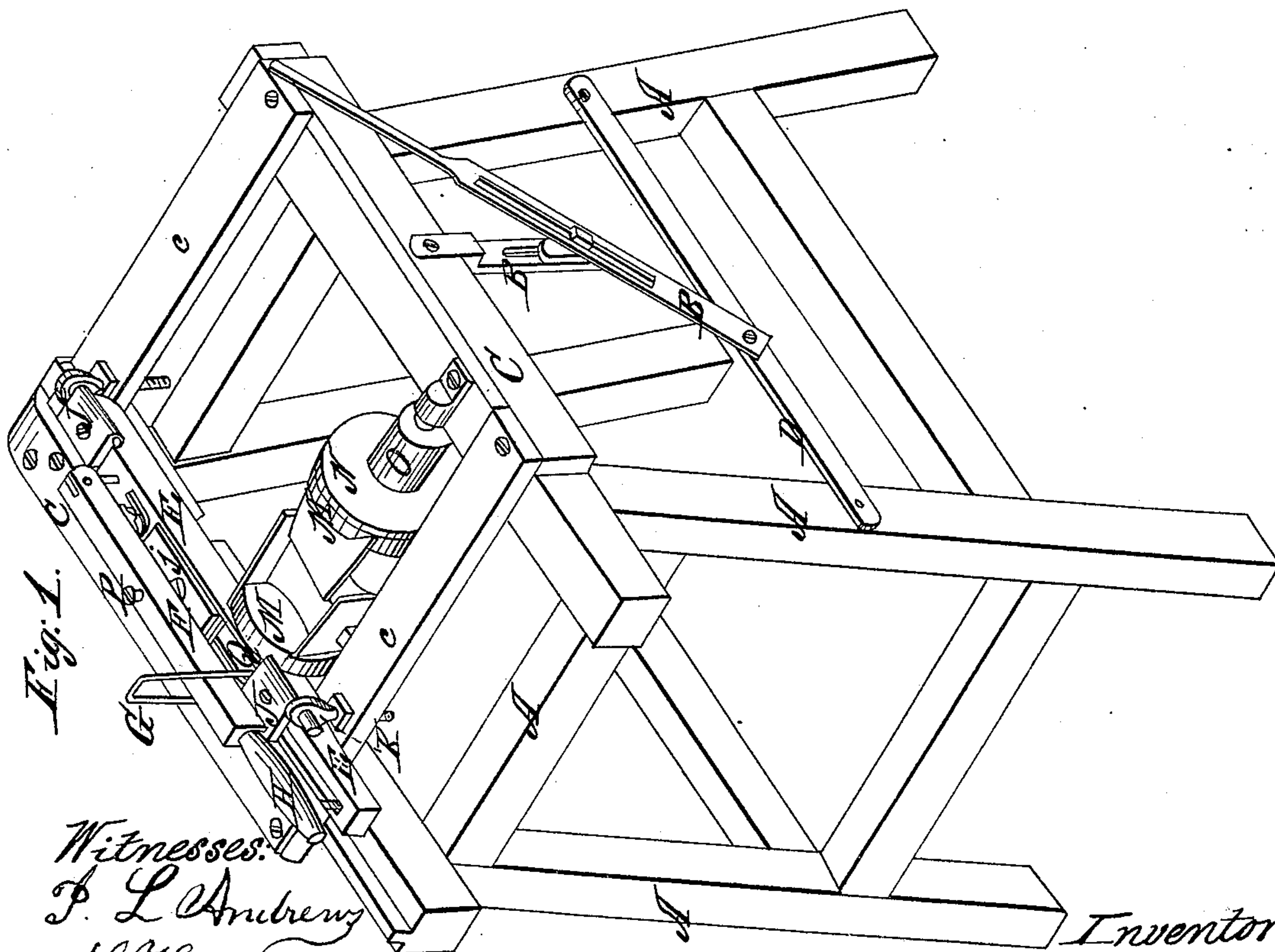



Fig. 1.

Witnesses:
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L. Huff

 Inventor:
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UNITED STATES PATENT OFFICE.

S. B. WILKINS, OF MILTON, PENNSYLVANIA.

SPOKE-MACHINE.

Specification of Letters Patent No. 29,117, dated July 10, 1860.

To all whom it may concern:

Be it known that I, S. B. WILKINS, of Milton, county of Northumberland, and State of Pennsylvania, have invented a new and useful Improvement in Machines for Finishing Turned Wagon-Spokes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view; Fig. 2 a sectional view of rockshaft; Fig. 3 top view of sliding hook.

A, A, A, A, represent the main frame; B, B, lever and arm fastened to carriage with slot and plate fastened to arm by screws adjustable, so governing the distance traversed by carriage, suiting the work as desired; C, C, C, carriage frame which slides upon top of main frame; D, cross piece fastened to frame to which lever, B, is attached at the lower end, acting as a fulcrum upon which it vibrates; E, E, oscillating shaft fastened on top of carriage by eyebolts and side hinges one at each end; F, lever attached to top of rockshaft by eyebolt screwed into rockshaft, varying the height to suit size of spoke to be dressed and operated upon by the hand at handle at H; G, staple for seadying handle H; J the oscillating plate upon which the large end of spoke rests; J, J, hinges upon which rockshaft E vibrates; K, K, eyebolts through which hinges J, J, pass having one nut

above and one below the frame of carriage for the purpose of raising or lowering rockshaft E, E; L gage on top of rockshaft; M, M, cutter heads; N, loose plate upon shaft carrying cutters; O, beltwheel; P, point screwed through lever F, for the purpose of holding spoke while operated upon by cutters, Q, the forked slide operating upon plate I.

Fig. 2 is a side view of rockshaft with side removed, showing sliding fork, Q, as operating upon plate I, with screws, R, R, regulating the angle of plate I upon which the spoke rests; S, screw passing through plate, I, loose, allowing it to tip readily as the fork, Q, is drawn back or forth; L, gage upon top of shaft for adjusting the spoke fastened by screw T; U eyebolt by which lever, F, is fastened to rockshaft, P, point screw for holding spoke, F, lever, G, staple, H, handle.

Fig. 3 is a side top view of forked slide, Q, which operates plate, I, itself being slid back or forth by the finger of the hand at handle H, by which the spoke is held.

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

The arrangement of the rocking clamp, consisting of the lever shaft E, lever F, and the adjustable plate I, operating as set forth, and for the purposes described.

S. B. WILKINS.

Witnesses:

ISAAC BURNMAN,
JNO. MILLER.