

H. Boardman,

Cork Machine.

N^o 35,867.

Patented July 15, 1862.

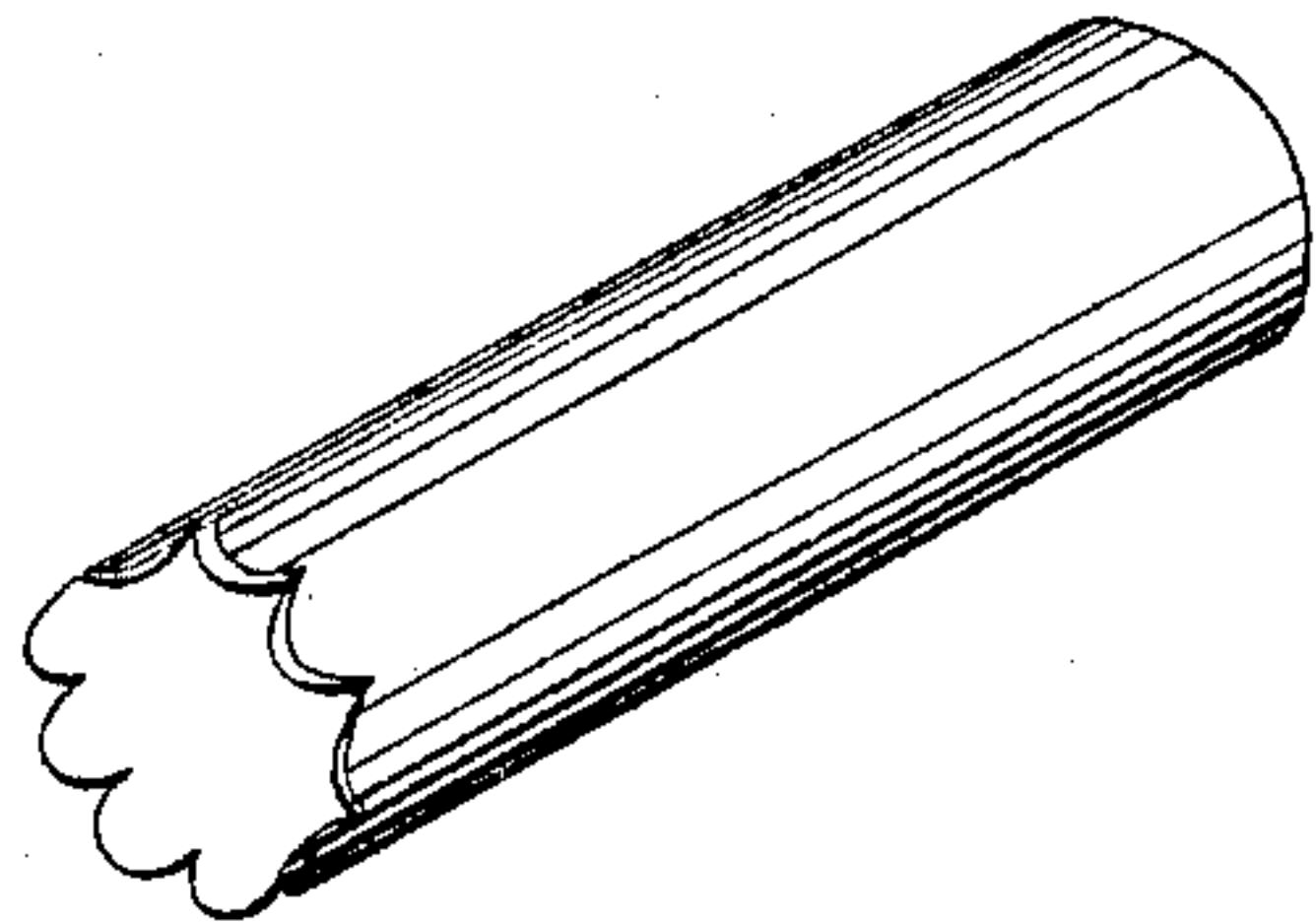


Fig. 1.

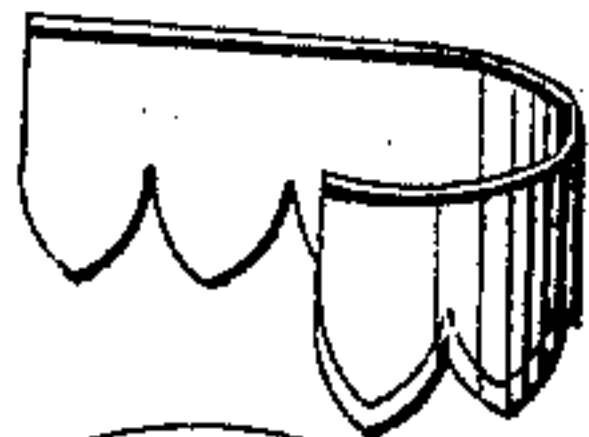


Fig. 2.

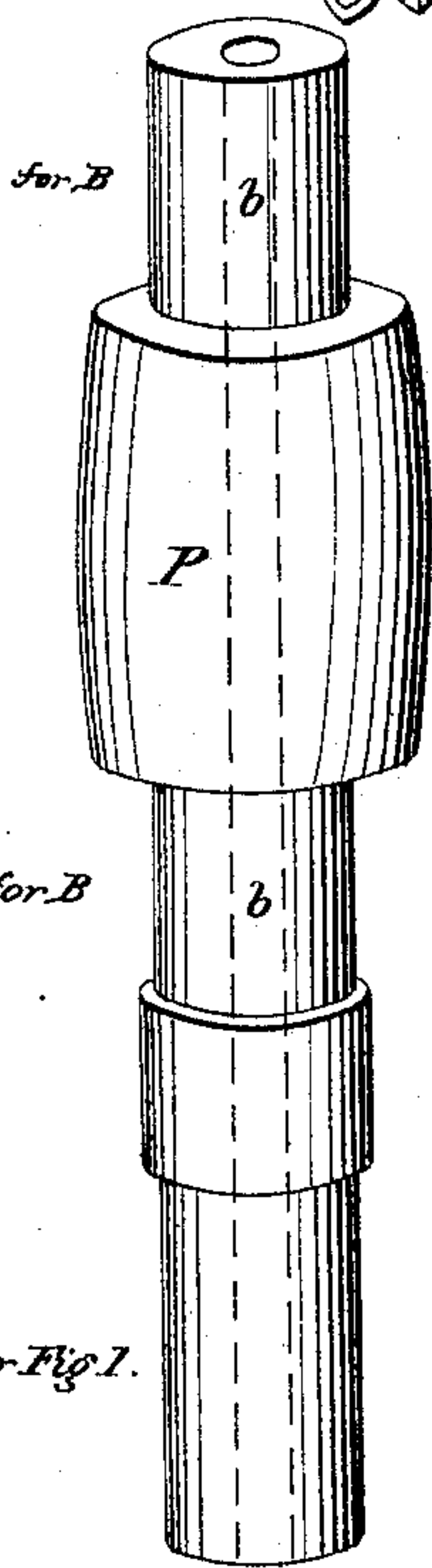


Fig. 4.

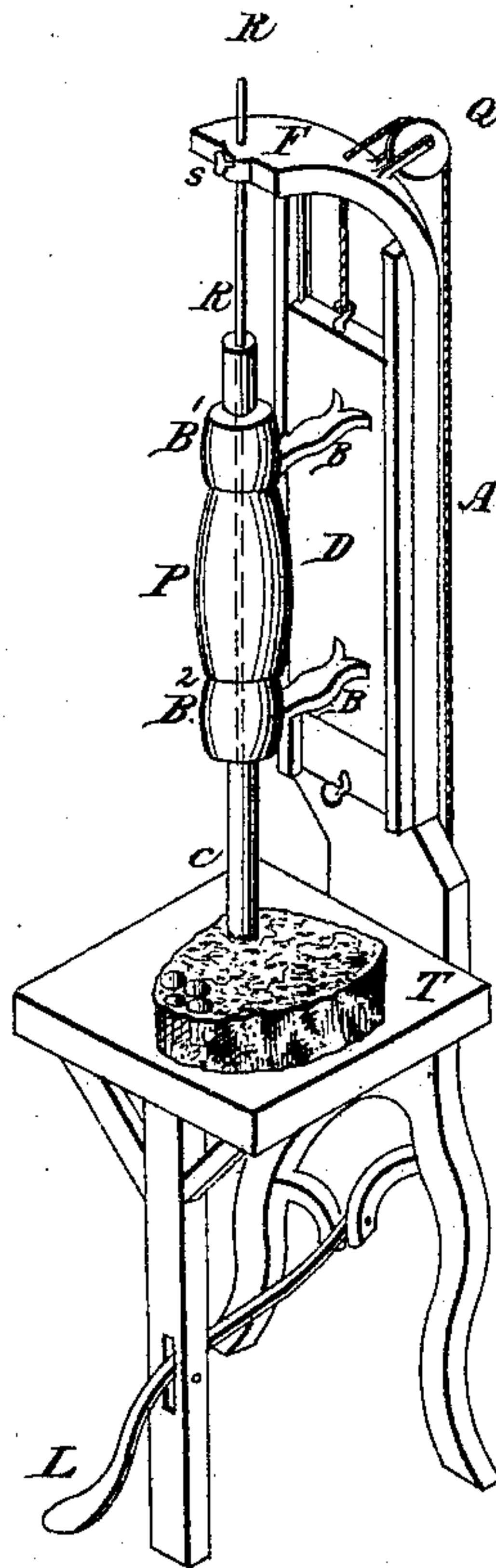


Fig. 3.

Witnesses.

Jacob Stauffer.

Jay Ludwell.

Inventor.

Harris Boardman

UNITED STATES PATENT OFFICE.

HARRIS BOARDMAN, OF LANCASTER, PENNSYLVANIA.

IMPROVEMENT IN CORK-CUTTING MACHINES.

Specification forming part of Letters Patent No. 35,867, dated July 15, 1862.

To all whom it may concern:

Be it known that I, HARRIS BOARDMAN, of Lancaster, in the county of Lancaster and State of Pennsylvania, have invented a new and useful Improvement in Cork-Cutting Machines; 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 a part of this specification, in which—

Figure 1 is a perspective view of the cylindrical cutter with its scalloped or lance point edges; Fig. 2, a portion of the same laid open; Fig. 3, a view in perspective of the whole machine.

I employ a cylindrical cutter, Fig. 1, constructed by forming the cutting-edge so as to constitute a series of lance-blade points instead of a smooth continuous cylindrical edge for cutting cork, in order to prevent the heating and loss of temper in the thin steel cylindrical cutter, thereby also doing away with the necessity of employing a rimmer or crown-saw. Such a series of points or blades are also better adapted for overcoming the elasticity and springiness of the cork, and prevent its binding effect upon the tool.

To operate this cutter I employ an upright stand, F, having a table, T, on which the slab of cork is laid. The tool-stock, with its long traverse pulley P and bearings b, is made tubular, into which the rod R, adjusted by a set-screw, S, on the top of the standard F, enters, this rod being fixed or stationary when adjusted, and expelling the cut cork as the tool is raised up for another cut. The tool holding the cutter-pulley and bearings is affixed

by brackets B B to a plate, D, sliding up and down in side grooves on the upright standard F, and is drawn up by means of a treadle or lever, L, having a chain or rope over a pulley, Q, attached thereto. There is also an adjustable stop, E, which arrests the sliding plate, gaged so that the cutter simply penetrates through the cork or slab. The tool is revolved by means of a strap traversing over the long pulley P in the up-and-down motions of the tool, the tool descending by its own gravity or the action of the lever, which may be employed in either direction by means of or without a pending weight.

I am aware that movable rods are used in a horizontal position for a similar object. I am also aware that cutters or tools are employed in a vertical position; nor do I claim such. Neither do I claim a cylindrical cutter, as such with a smooth cutting-edge has been used, as well as split cylindrical cutters, for cutting corks tapering. I therefore do not claim a cylindrical cutter operated vertically, as those referred to.

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

The combined arrangement of the cutter, as described, sliding tool-stock operated by a treadle, adjustable stop E, long traverse pulley P, and adjustable stationary rod R, substantially as and for the purposes herein specified.

HARRIS BOARDMAN.

Witnesses:

JACOB STAUFFER,
JAY CADWELL.