

D. BOYCE.
Bench-Hooks.

No. 143,054.

Patented September 23, 1873.

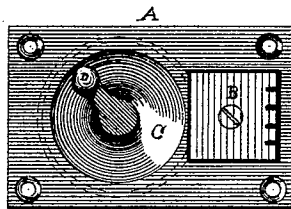


FIG. 1.

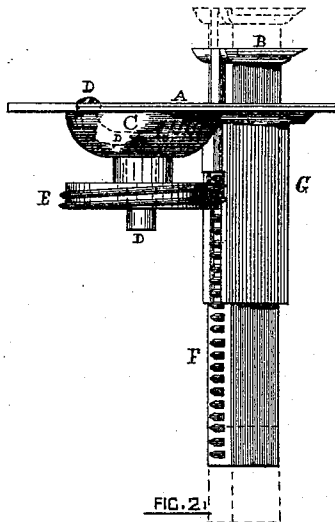


FIG. 2.

WITNESSES.

INVENTOR.

Isaac C. Greene.
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UNITED STATES PATENT OFFICE.

DANIEL BOYCE, OF NORTH PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN BENCH-HOOKS.

Specification forming part of Letters Patent No. **143,054**, dated September 23, 1873; application filed March 3, 1873.

To all whom it may concern:

Be it known that I, DANIEL BOYCE, of North Providence, in the county of Providence and State of Rhode Island, have invented a certain Improvement in a Bench-Hook, of which the following is a specification:

Figure 1 in the drawing is top view of the machine embodying my invention. Fig. 2 is an elevation of the same.

In Fig. 1, A represents an iron plate bedded by screws in the wood-workers bench; B, the bench-hook and teeth depressed to level of bed-plate; C, the sunken cup, in which is the crank D attached to worm E (of Fig. 2) and almost entirely below level of surface of bed-plate, shown in Fig. 2.

In Fig. 2, E is a horizontal threaded worm turned by crank D, which works into the rack-gear surface of the plunger F. The plunger rises and falls in the tube or socket G. By this motion the bench-hook B, attached by a screw to the plunger F, rises and falls, as shown in Fig. 2, at will.

I claim as my invention—

The combination of the bench-hook B provided with a rack, F, the worm-wheel E, and handle D, all constructed substantially as and for the purpose indicated.

DANIEL BOYCE.

Witnesses:

ISAAC C. GREEN,
STEPHEN CONLEY.