

D. BOYCE.
Bench-Hooks.

No. 143,054.

Patented September 23, 1873.

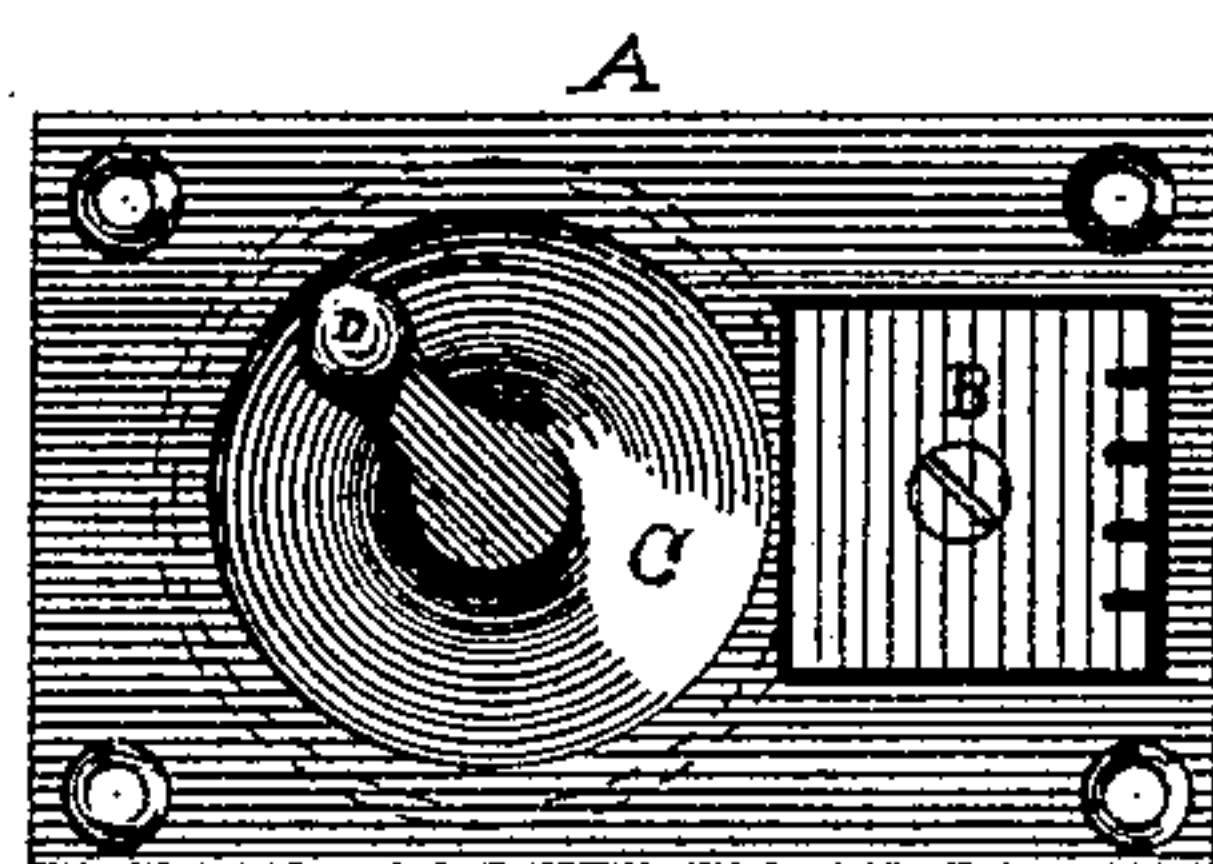


FIG. 1.

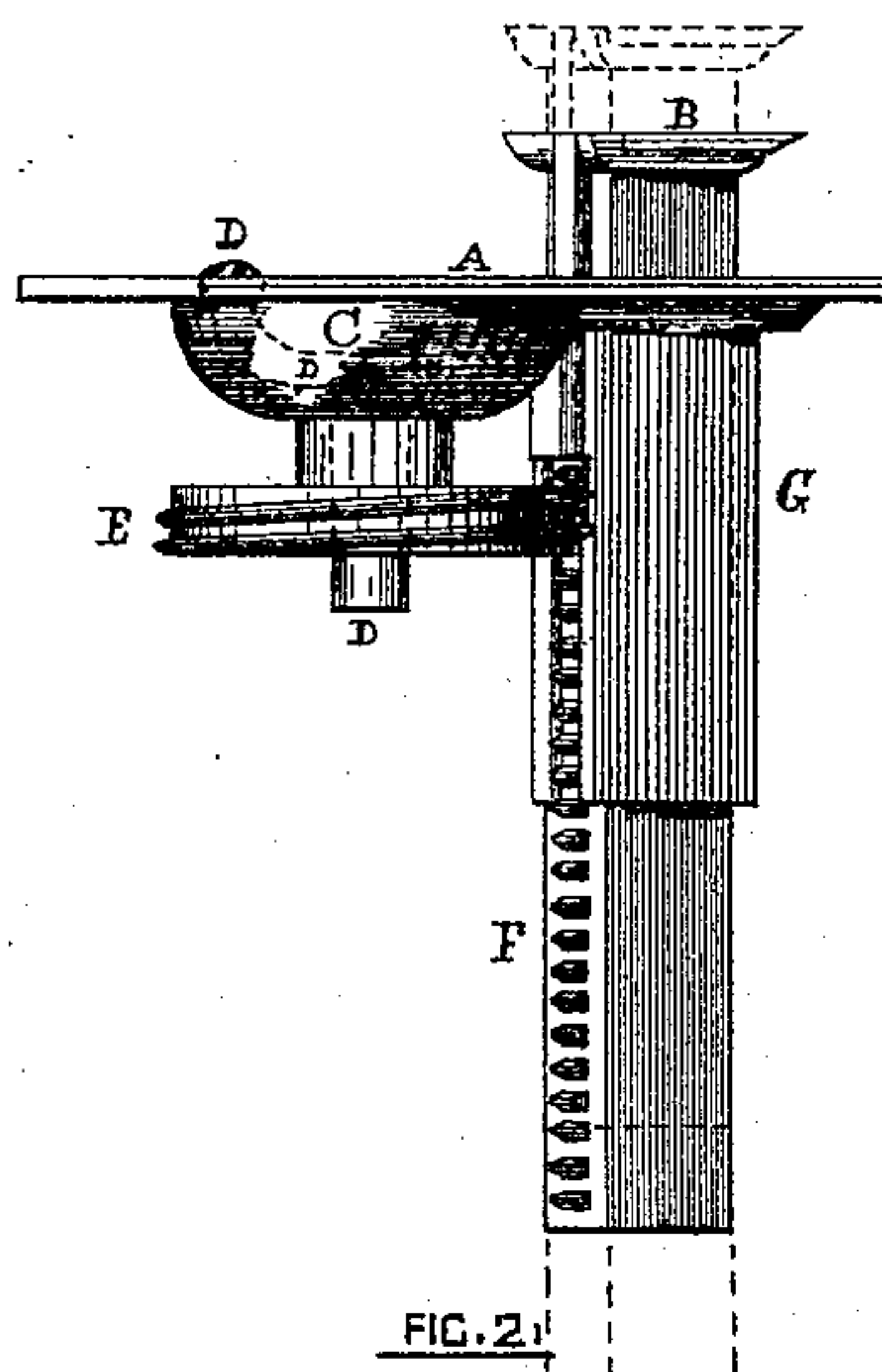


FIG. 2.

WITNESSES,

INVENTOR,

Isaac C. Greene.

Stephen Conley

Daniel Boyce

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.