

C. PATTERSON.
Post-Hole Digger.

No. 208,760.

Patented Oct. 8, 1878.

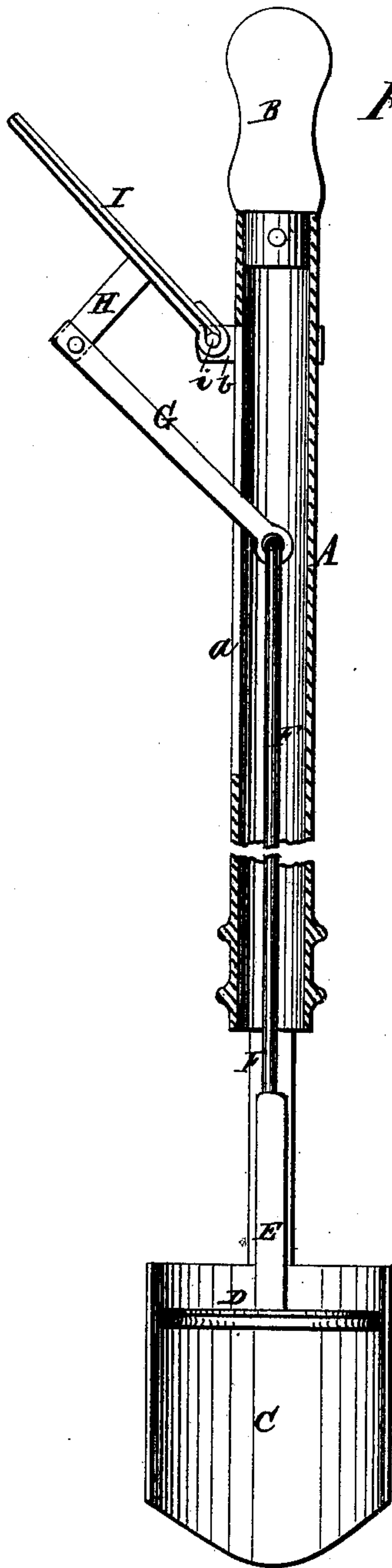


Fig: 1.

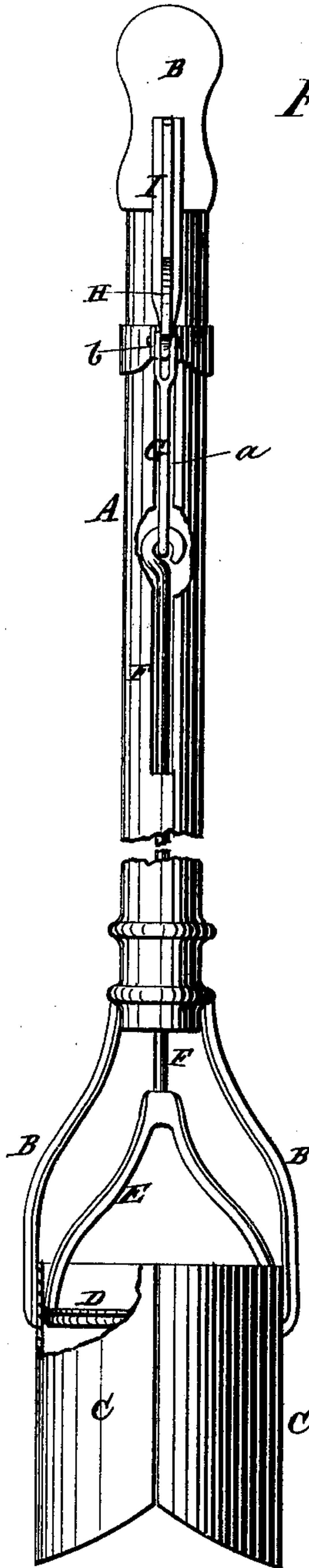
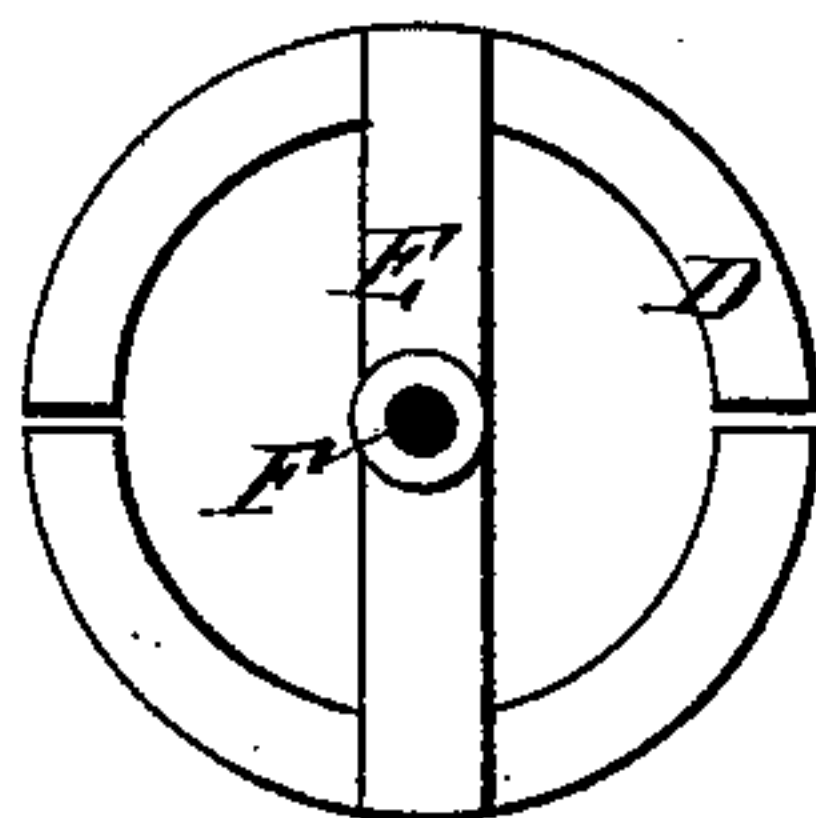


Fig: 2.

Fig. 3



WITNESSES:

Acchilles Seckel.
C. Sedgwick

INVENTOR:

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BY *Mumford*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLTON PATTERSON, OF ROCK ISLAND, ILLINOIS.

IMPROVEMENT IN POST-HOLE DIGGERS.

Specification forming part of Letters Patent No. **208,760**, dated October 8, 1878; application filed August 13, 1878.

To all whom it may concern:

Be it known that I, CHARLTON PATTERSON, of Rock Island, in the county of Rock Island and State of Illinois, have invented a new and Improved Post-Hole Digger, of which the following is a specification:

The object of my invention is to facilitate the removal of excavated earth from the bucket of a post-hole digger.

The invention consists in the combination, with the digging-bucket, of an annular piston and central piston-rod, operated by a connecting-rod and lever, the latter being pivoted to the hollow handle of the post-hole digger, as will be hereinafter described.

In the accompanying drawing, Figure 1 represents a vertical section of my improved post-hole digger. Fig. 2 is a side view of the same. Fig. 3 is a detail plan view of the annular piston.

Similar letters of reference indicate corresponding parts.

A is a hollow handle, made of gas-pipe, provided with a vertical side slot, *a*, and closed at its upper end by a wooden knob, B.

To the lower end of the handle A are secured, by the two laterally-opposite brackets B, the two semicircular steel spades C, which are curved on their lower ends, as shown in the drawing, and form together a hollow cylinder, which constitutes the digging-bucket.

D is a ring or annular piston fitted to move within the inner circumference of the bucket C C by being secured by the forked bracket E to the lower end of the piston-rod F, which latter is arranged to work in the center of the hollow handle A, and is pivoted at its upper end to one end of the connecting-rod G, issuing through the slot *a*, whose other end is pivoted to a lug or arm, H, on the lever I, which is fulcrumed at *i* to the lug *b* on the side of the handle A.

The earth which is excavated or detached by depressing the digger into the ground, and adheres to the interior of the bucket C C, is removed by bearing down upon the lever I, which forces the piston D down through the bucket, thereby clearing the inside of and emptying the latter.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the digging-bucket C C, of the annular piston D and central piston-rod, F, operated by the connecting-rod G and lever I, the latter being fulcrumed to the hollow handle A of the post-hole digger, substantially as and for the purpose set forth.

CHARLTON PATTERSON.

Witnesses:

REUBEN BOLLMAN,
JOHN H. KAUFFMAN.