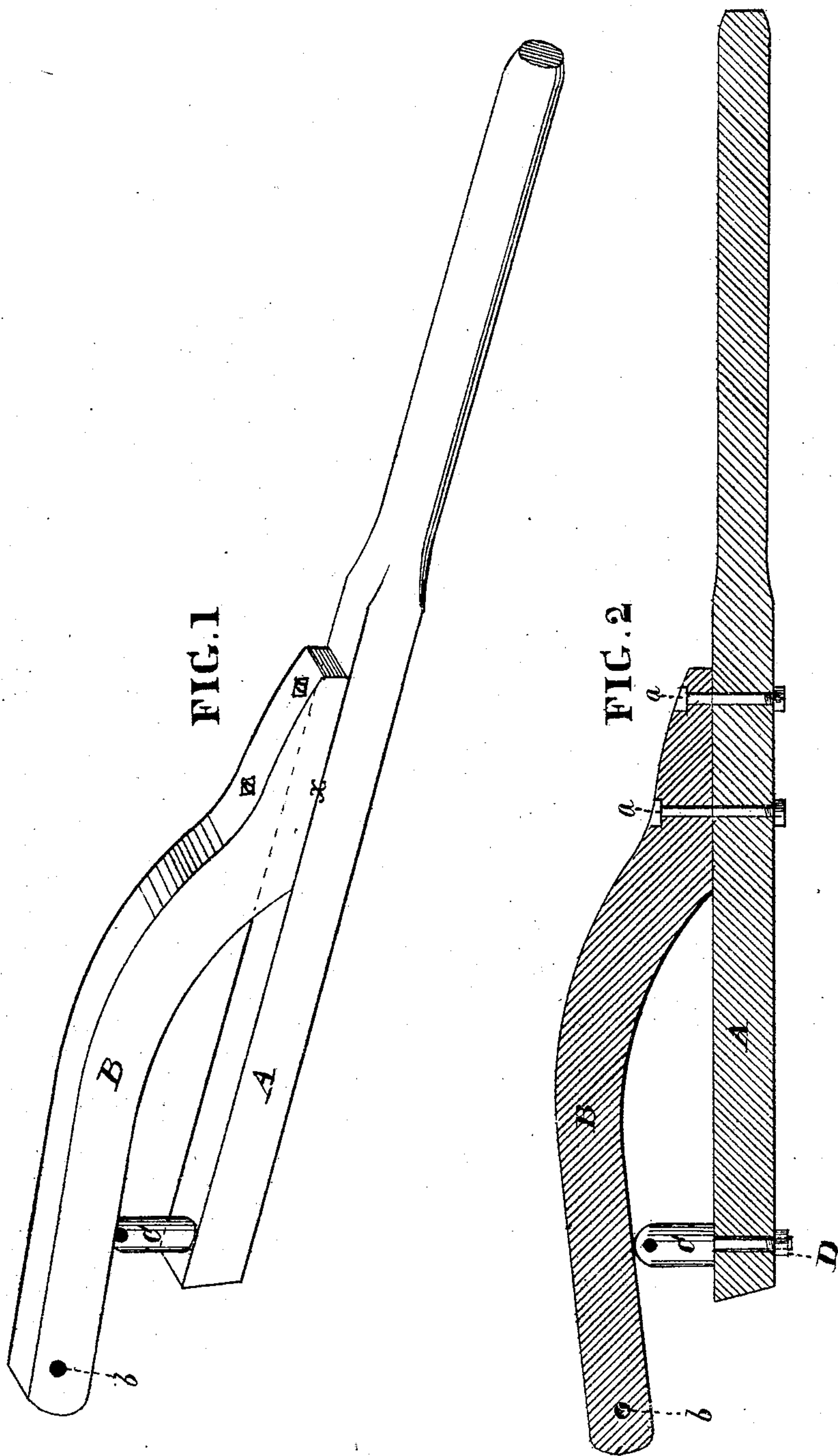


I. N. FRAZER.
Pump-Handles.

No. 135,269.

Patented Jan. 28, 1873.



WITNESSES

Thomas J. Dewley.
Harry C. Benner.

INVENTOR

Isaac N. Frazer
By His Attorney
Stephen W. Wick

UNITED STATES PATENT OFFICE.

ISAAC N. FRAZER, OF ELMER, NEW JERSEY.

IMPROVEMENT IN PUMP-HANDLES.

Specification forming part of Letters Patent No. **135,269**, dated January 28, 1873.

To all whom it may concern:

Be it known that I, ISAAC N. FRAZER, of Elmer, in the county of Salem and State of New Jersey, have invented certain Improvements in Pump-Handles, of which the following is a specification:

My invention relates to a pump-handle, which is bifurcated to give a drawing and easy motion thereto, and thereby greater effectiveness than is possessed by an ordinary rigid lever.

Figure 1 is a perspective view of the improved handle. Figure 2 is a longitudinal section of the same.

Like letters in both figures indicate the same parts.

The lever, or as it is commonly called, the handle, I make of two pieces, A B, joined together at *x* and confined by means of bolts *a a* and a fulcrum-piece, C, which is made of iron and connected with the piece A and con-

fined by means of a nut, D. The outer end of the piece B is provided with a hole, *b*, for connecting it with the piston-rod. The fulcrum-piece C has a hole, *b'*, for connecting it with the fulcrum-pin, with which a bracket or other fixed part of the pump is provided in the usual manner.

The upper end of the fulcrum-piece C supports the outer end of the piece B when the handle-end of the shaft A is borne down. The piece A B may be formed out of a single piece, if desired, by cutting away the superfluous wood between them.

I claim as my invention—

A bifurcated pump-handle, or lever, composed of the parts A B C, substantially in the manner and for the purpose set forth.

ISAAC N. FRAZER.

Witnesses:

THOMAS J. BEWLEY,
STEPHEN USTICK.