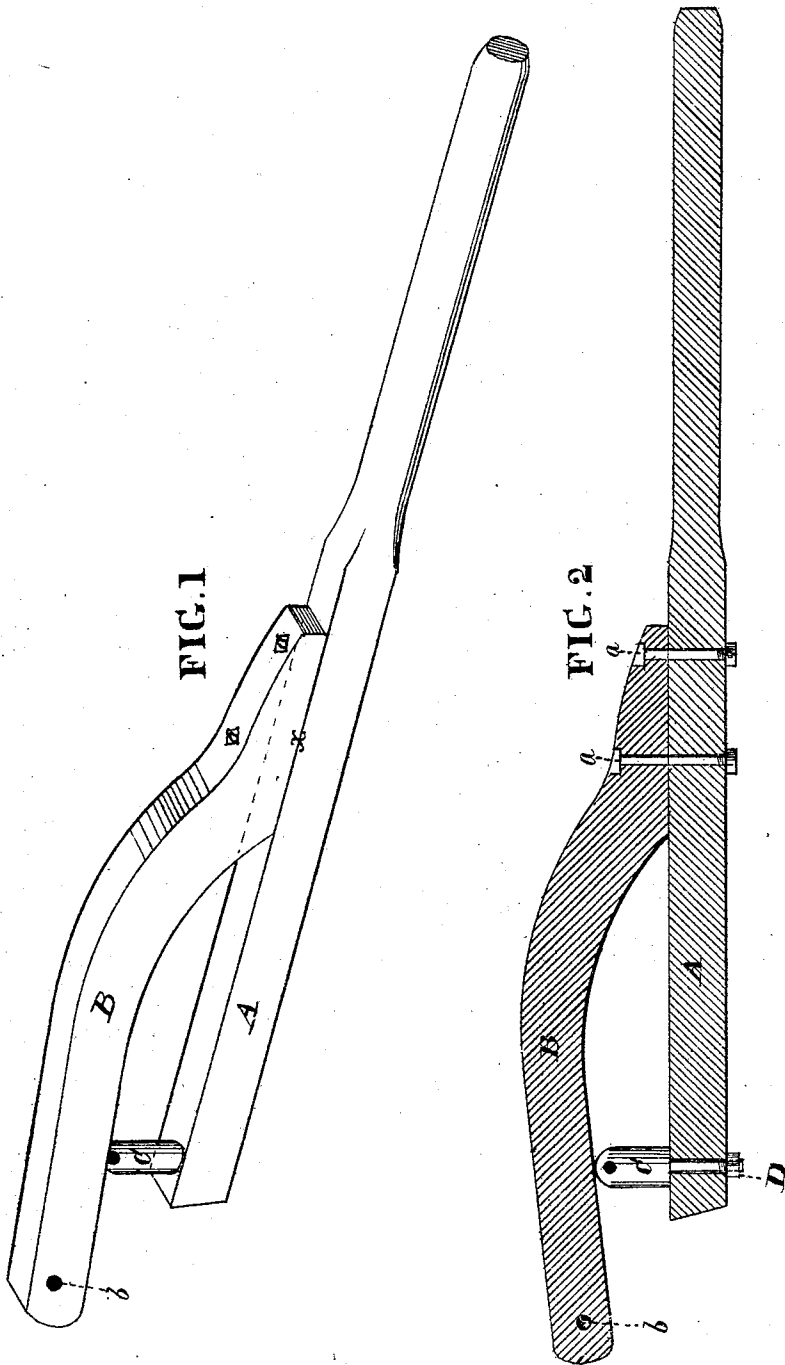


I. N. FRAZER.
Pump-Handles.

No. 135,269.

Patented Jan. 28, 1873.



WITNESSES

Thomas J. Dewley.
Harry C. Benner.

INVENTOR

Isaac M. Frazer
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Stephen A. 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.