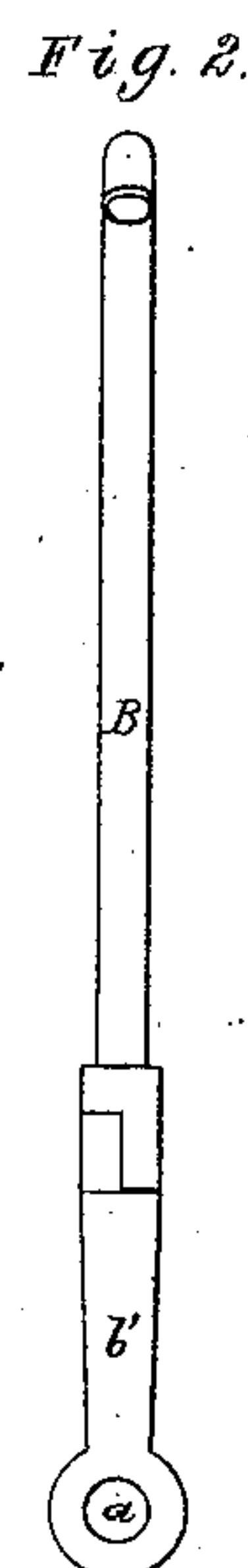
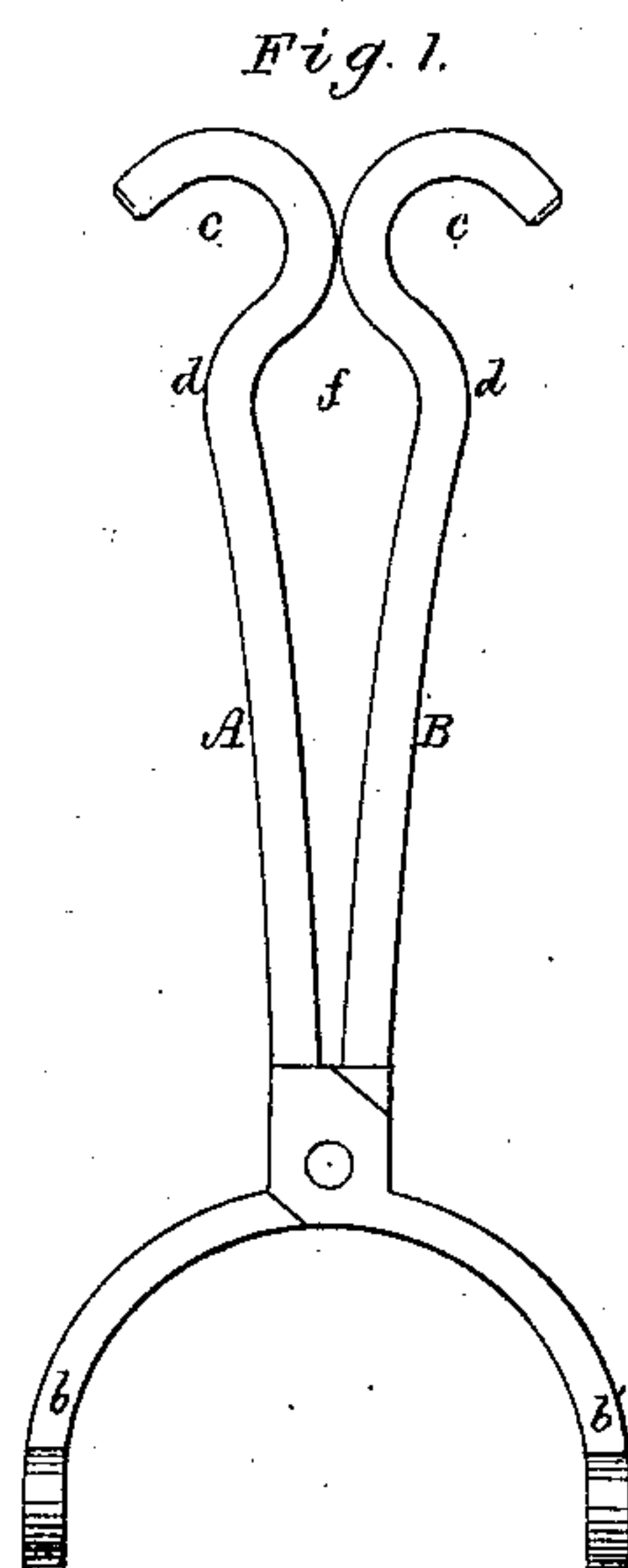


L. POND.
Hose-Coupling Spanners.

No. 144,862.

Patented Nov. 25, 1873.



Witnesses.
S. W. Piper.
L. N. H. C. Lee.

Lewis Pond.
by his attorney.
R. H. Eddy

UNITED STATES PATENT OFFICE.

LEWIS POND, OF FOXBOROUGH, MASSACHUSETTS.

IMPROVEMENT IN HOSE-COUPLING SPANNERS.

Specification forming part of Letters Patent No. **144,862**, dated November 25, 1873; application filed October 31, 1873.

To all whom it may concern:

Be it known that I, LEWIS POND, of Foxborough, of the county of Norfolk and State of Massachusetts, have invented a new and useful Improvement in Hose-Coupling Spanners; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, and Fig. 2 an edge view, of a spanner as improved by me.

It consists, mainly, of two levers, A B, crossed on each other and pivoted together at the crossing, the shorter arms *b b'* of the said levers being curved, as shown, (to fit to a coupling,) and provided with an eye or hole, *a*, in each to receive a stud from the coupling, and the longer arms being hooked and bent, as represented. Instead of a hole, *a*, in each of the shorter arms, such arm may be furnished with a stud or projection to enter a corresponding hole in the coupling, provided such coupling has holes instead of studs to operate with a spanner. It will be observed that each of the larger arms is not only bent so as to form a hook, *c*, at and near its end, but it is also bent, as shown at

d, in order that when the two arms are closed together there may be a space or opening, *f*, between them for the insertion of the third finger of the hand of a person, when one hook hangs upon the second and the other on the fourth finger of such hand. By the third finger going between the arms, a person, while supporting the spanner on and by his second and fourth fingers of his right hand, can use the third finger to open the spanner preparatory to closing it upon a coupling; and, furthermore, he can exert his force to lift the hose by and drag it along with the spanner to better advantage with the three fingers so applied to the spanner than he can with two only.

I therefore claim—

The hose-coupling spanner, constructed substantially as described and shown, viz., of two crossed levers, A B, pivoted together, and provided not only with hooks *c c* and eyes *a a*, disposed as explained, but with the finger-opening *f* between the longer arms, all as set forth.

LEWIS POND.

Witnesses:

R. H. EDDY,
S. N. PIPER.