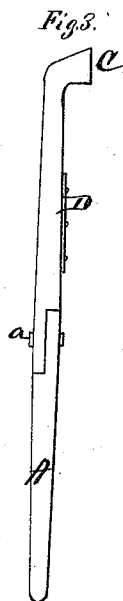
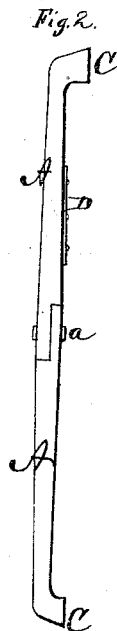
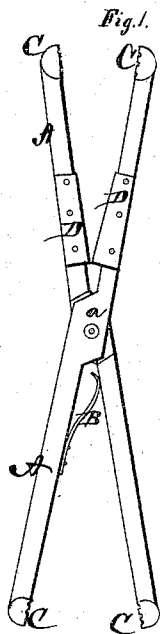


R. R. HOWELL.

Improvement in Lamp-Chimney Cleaners.

No. 128,879.

Patented July 9, 1872.



Witnesses:

W. D. Newman
C. L. Ewert.

Inventor.

Royal R. Howell.
per Alexander Mann

Attorneys.

UNITED STATES PATENT OFFICE.

ROYAL R. HOWELL, OF FOSTORIA, OHIO.

IMPROVEMENT IN LAMP-CHIMNEY CLEANERS.

Specification forming part of Letters Patent No. 128,879, dated July 9, 1872.

To all whom it may concern:

Be it known that I, ROYAL R. HOWELL, of Fostoria, in the county of Seneca and in the State of Ohio, have invented certain new and useful Improvements in Lamp-Chimney Cleaners; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "lamp-chimney cleaner," as will be hereinafter more fully set forth.

In the annexed drawing, A A represent two bars of malleable iron or other suitable metal, hinged together like a pair of shears by a rivet at *a*. Upon one side of the hinge or pivot point between the two bars is a spring, B, one end of which is attached to one bar and bears against the other to throw them open. The ends of the bars A A are bent as shown, forming jaws C C, the ends or jaws at one end of the instrument being smaller than at the other, so as to suit different-sized tubes.

The instrument is intended to be used and handled inside of the chimney with a rag,

piece of paper, chamois-skin, or other suitable material held between the jaws. Fruit-jars or other tubular glass vessels may be cleaned in the same manner.

The jaws at one end of the instrument may be dispensed with, this end serving then only as a handle. Upon the bars A A opposite each other are secured steel plates D D, fastened either by rivets or screws, which plates form shears for the purpose of trimming the lamp-wicks. These shear-plates may be left off if so desired, and the instrument be used only as a lamp-chimney cleaner.

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

The combination of the pivoted bars A A with jaws C C, the spring B, and shear-plates D D, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 23d day of May, 1872.

ROYAL R. HOWELL.

Witnesses:

JOHN A. BRADNER,
HENRY O. EVANS.