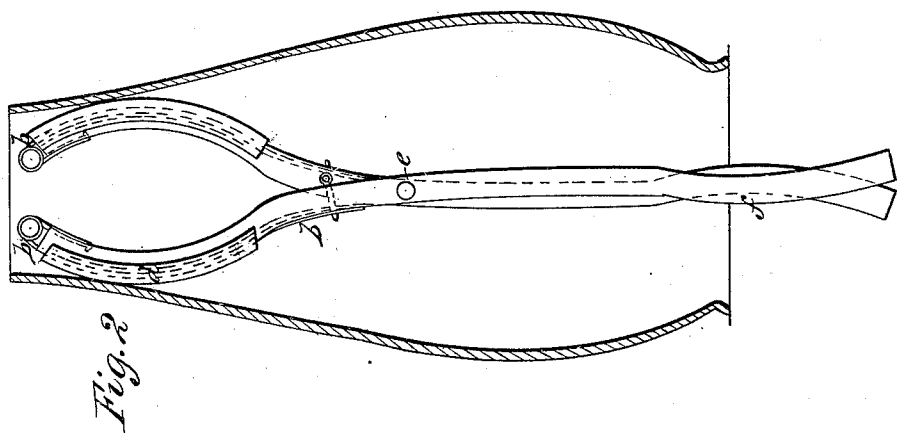
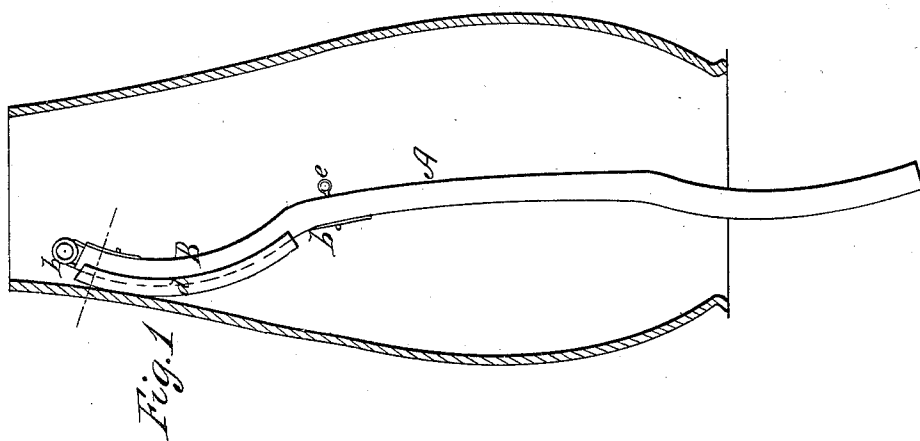
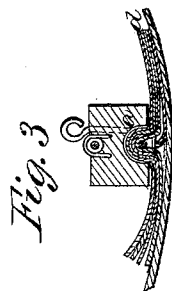


*M. N. Lovell,*  
*Lamp-Chimney Cleaner,*  
*No 81,917, Patented Sept. 8, 1868.*



*Witnesses;*  
*Amos Morgan*  
*Alex F Roberts*

*Inventor;*  
*M. N. Lovell*  
*per Munn & Co.*  
*attys.*

# United States Patent Office.

M. N. LOVELL, OF ERIE, PENNSYLVANIA.

*Letters Patent No. 81,917, dated September 8, 1868.*

## IMPROVED LAMP-CHIMNEY CLEANER.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, M. N. LOVELL, of Erie, in the county of Erie, and State of Pennsylvania, have invented a new and improved Lamp-Chimney Cleaner; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

The object of this invention is to provide an improved lamp-chimney cleaner, which will accomplish the work in a better manner than those now in use, and which can be furnished at less cost.

It consists in one or two curved handles, provided with clamps, whereby a number of slips of soft paper may be clamped to the said handle, upon the bent portion thereof, in such a manner that the slips may be turned over like the leaves of a book, and one after another used as they become foul, the said cleaner to be inserted in the chimney when used in the ordinary manner.

In the drawings—

Figure 1 represents a view of my improved cleaner when composed of one part.

Figure 2 represents the same when composed of two parts, and

Figure 3 represents a section on the line *z z* of fig. 1.

Similar letters of reference indicate corresponding parts.

A represents a handle, which I make by preference of wood, and which may be curved in the part B, as shown, and otherwise curved or straight, as desired. The curved portion, B, is provided with a groove, *a*, in the oval face, as shown in fig. 3, and with a wire spring, *b*, attached to the end, and having a prolongation extending over the curved portion B to the hook C, the latter running through a hole in the handle, and arranged to be turned to hook over the end of the spring, holding it in the groove of the said curved portion of the handle. Between the said spring and handle may be inserted any suitable number of slips of soft paper, *d*, which will be pressed in the central portion by the wire spring into the groove in the oval part of the handle, and held therein in a manner similar to the leaves of a book.

The cleaner so constructed may be inserted within the chimney with the leaves spread open, and the paper rubbed thoroughly over the interior surface of the lamp, by which it will be effectually cleaned. When the leaves have become foul by contact with the foul glass, they may be turned over, presenting a clean surface again, until the whole amount of paper has been used.

By reason of the convex form of the handle to which the leaves are secured, they will remain open at the desired place, being held in an open position, in consequence of the greater tension on the portion near the centre, lengthwise thereof.

In fig. 2, I have represented a cleaner composed of two parts jointed together at *e* by a pivot. When composed of two parts I find it preferable to curve the handles as shown at *f*, whereby a better control of the parts may be effected when held in one hand, as it must be in use.

In vibrating the parts to bring the cleaning portions in contact with the various sizes of chimneys, as, for instance, if the two handles are straight, when the size of the chimney is such as to bring the straight parts of the handles parallel with each other, it would be difficult to change them from this position with one hand.

Pieces of cloth, or any other suitable material, may be used instead of paper, if preferred, and when the whole has become foul from use, it may be readily removed by disconnecting the end of the spring *b* from the hook, and a fresh supply of paper or other cleaning-material supplied.

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

1. The handle A of a lamp-chimney cleaner, provided with the spring-clamp *b* and hook *e*, substantially as and for the purpose described.

2. The handle A of a lamp-chimney cleaner, provided with the grooved and curved portion B, in combination with the clamping-spring *b* and hook *e*, substantially as and for the purpose described.

The above specification of my invention signed by me, this day of April, 1868.

M. N. LOVELL.

Witnesses:

ALEX. F. ROBERTS,

J. W. B. COVINGTON.