

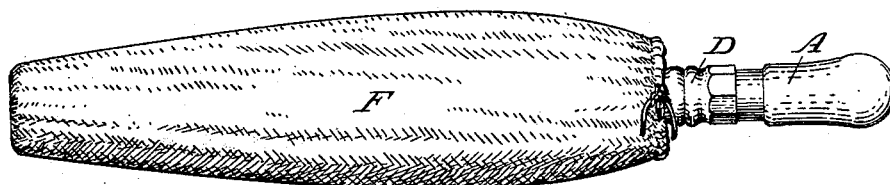
(No Model.)

W. J. WEBB.

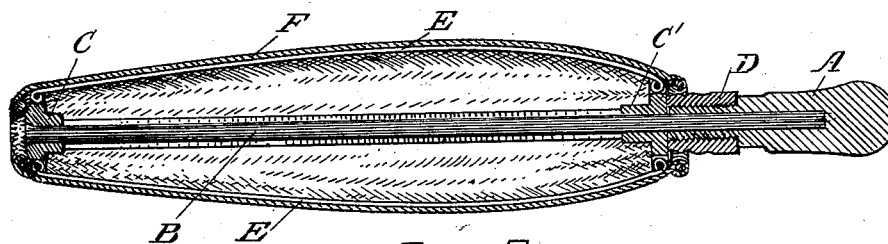
LAMP CHIMNEY CLEANER.

No. 347,671.

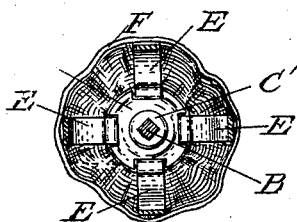
Patented Aug. 17, 1886.



— FIG. 1 —



— FIG. 2 —



— FIG. 3 —

Witnesses:

*Alf Charbonneaux*  
*Alf Richard*

Inventor:

*Wm J. Webb*  
*By J. Boursole*  
*Atty*

# UNITED STATES PATENT OFFICE.

WILLIAM JOHN WEBB, OF HARBOR AU BOUCHE, NOVA SCOTIA, CANADA.

## LAMP-CHIMNEY CLEANER.

SPECIFICATION forming part of Letters Patent No. 347,671, dated August 17, 1886.

Application filed July 14, 1884. Serial No. 137,611. (No model.)

### *To all whom it may concern:*

Be it known that I, WILLIAM JOHN WEBB, a citizen of Canada, residing at Harbor au Bouche, in the county of Antigonish, in the Province of Nova Scotia, Canada, have invented a new and useful Improvement in Lamp-Chimney Cleaners; and I do hereby declare the following to be a full, clear, and exact description.

My invention is an improvement in the class of lamp-chimney cleaners in which a series of flat or plate springs are employed to expand a cover of suitable fabric by which they are inclosed.

The improvement pertains to the construction and combination of parts, as hereinafter described and claimed.

In accompanying drawings, Figure 1 is a side view of my improved device. Fig. 2 is a longitudinal section, and Fig. 3 is a transverse section.

The handle A is fixed on one end of the polygonal rod B, and a flanged metal head, C, on the other. A similarly-flanged piece, C', slides on rod B. The flat spring-ribs E are secured to these parts C C' by means of wires fitted in grooves, as shown. A cover, F, of coarse fabric is drawn on over the ribs, and the latter are expanded by sliding piece C' along rod B. My improvement is chiefly embodied in the features I shall now describe.

The inner end of handle A is reduced in diameter and screw-threaded, as shown. An internally-threaded sleeve, D, works on this threaded portion in contact with piece C', and

its adjustment in one direction expands the ribs E, and in the other direction allows them to retract, as required, to adapt the device for use in lamp-chimneys of different sizes.

To distinguish my invention, I will state that the rod B is made polygonal in order to prevent rotation of the sliding piece C' thereon, instead of being made cylindrical, as usual heretofore. By this means the ribs E are relieved of the torsion and undue strain to which they are subjected when their rear ends are attached to a piece that is free to turn around the rod. Also, the application of the nut D to a threaded part, which is separate from the rod, enables the implement to be produced more easily and cheaply than others of its class, since such construction avoids threading the rod itself, as well as secures greater compactness in respect to length of the implement.

What I claim is—

The fixed handle A, having its inner end reduced and screw-threaded, the internally-threaded sleeve D, which rotates on said handle, the rod B, made polygonal, and the non-rotatable piece C', sliding on the latter, in combination with expansible ribs E, all as shown and described.

Signed at Harbor au Bouche this 27th day of June, 1884.

WILLIAM JOHN WEBB.

In presence of—

MAURICE WEBB,  
MICHAEL V. WEBB.