

M. E. WELLER.
Flue-Cleaners.

No. 150,380.

Patented April 28, 1874.

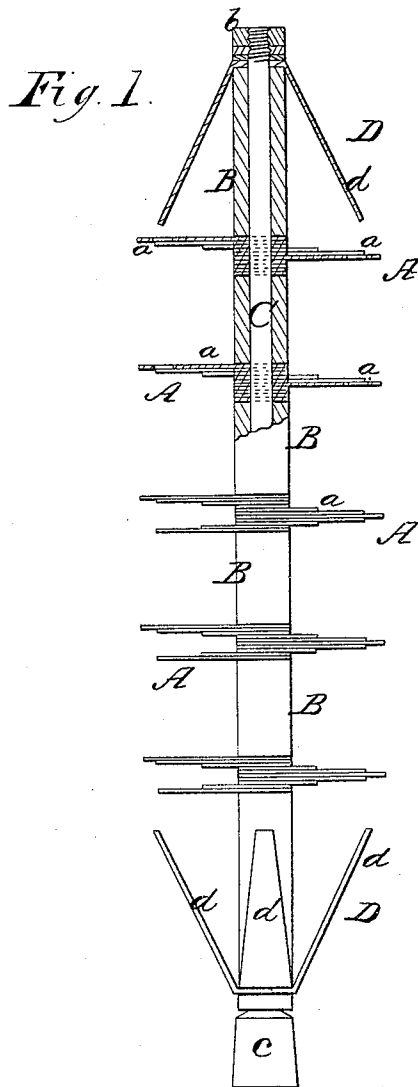


Fig. 2.

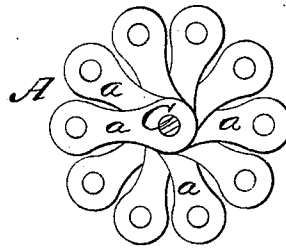


Fig. 3.



WITNESSES

Mary J. Utley.
Geo. E. Upham.

B71

INVENTOR

Marvin E. Weller
Chipman & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

MARVIN E. WELLER, OF FORT PLAIN, NEW YORK.

IMPROVEMENT IN FLUE-CLEANERS.

Specification forming part of Letters Patent No. **150,380**, dated April 28, 1874; application filed March 28, 1874.

To all whom it may concern:

Be it known that I, MARVIN E. WELLER, of Fort Plain, in the county of Montgomery and State of New York, have invented a new and valuable Improvement in Flue-Cleaners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a sectional view of my flue-cleaner, and Figs. 2 and 3 are sectional views.

This invention has relation to devices which are intended for scraping and cleaning flues of soot; and it consists in a reversible scraping and cleaning device which is composed of spring-guides, spring scraping and cleaning wings, and intermediate spacing tubes or thimbles confined together on a central rod and adapted for being attached to a pushing-rod, as will be hereinafter explained.

The following is a description of my improvement:

In the annexed drawings, A A designate the circularly-arranged scrapers and cleaners; B B, the tubes or thimbles between which the said scrapers are confined; and C is a rod which passes through the scrapers and their spacing-tubes, and receives a nut, *b*, on one end for securing the whole firmly together. One end of the rod C has secured to it a screw-socket, *c*, by means of which the device is secured to a rod for moving it about in a flue. D D designate two guides, which are secured

on the extremities of the device and composed of tapered prongs or fingers *d d* directed toward the scrapers A, as shown in Fig. 1. These guides facilitate the introduction of the device into flues and its removal therefrom, and prevent injury to the end scrapers. Each scraper is composed of a number of oblong plates or wings, *a*, having rounded and perforated ends. These plates or wings receive through their overlapping ends the rod C, by means of which and the intermediate tubes B the plates are all rigidly secured in their places, so as to radiate from the center of the rod C, as shown in Fig. 1.

I make the plates or wings composing the several scrapers of spring-steel and construct both their ends alike, so that when the exposed ends are too much worn to serve a useful purpose the opposite ends may be brought into play, or new plates may be substituted in place of the old ones.

What I claim as new, and desire to secure by Letters Patent, is—

1. The perforated reversible cleaning-plates, composing the scrapers A, confined between tubes B and secured on a rod, C, substantially as described.

2. The spring-guides D, in combination with the perforated cleaning-plates and rod C, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

MARVIN E. WELLER.

Witnesses:

ALBERT MILLER,
CHARLES E. WELLER.