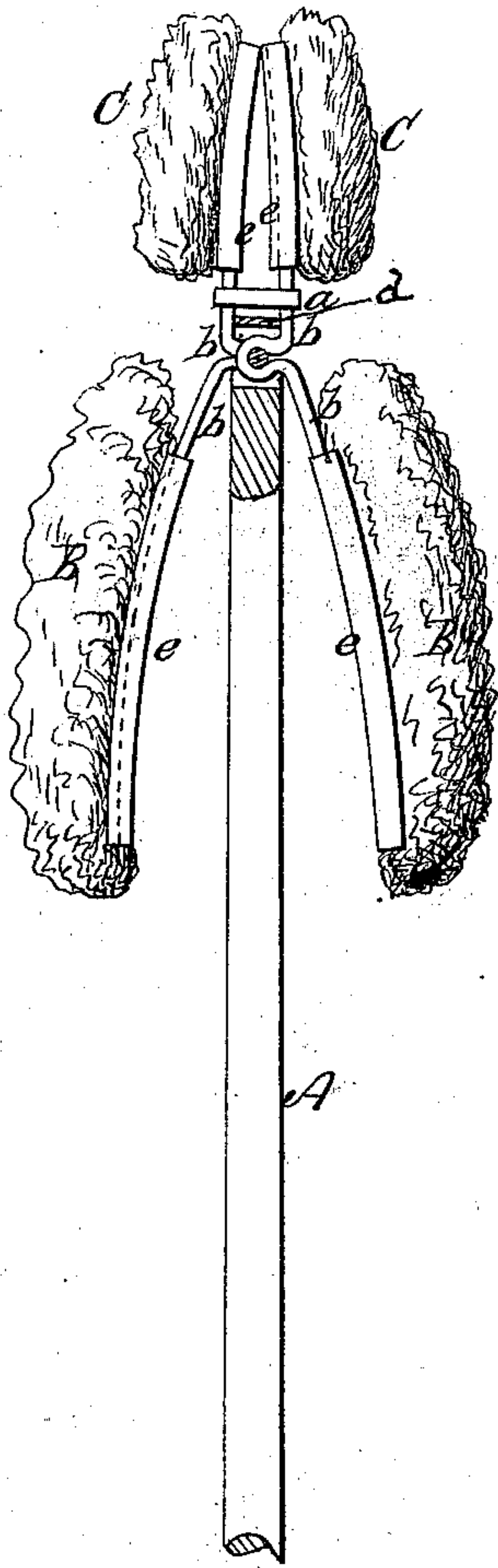


N. A. Vurgason,
Lamp-Chimney Cleaner.
N^o 8,710. Patented Sept, 1868.



Witnesses;
Wm A. Morgan
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United States Patent Office.

N. A. VURGASON, OF BROOKLYN, NEW YORK.

Letters Patent No. 81,710, dated September 1, 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, N. A. VURGASON, of Brooklyn, in the county of Kings, and State of New York, have invented a new and useful Improvement in Lamp-Chimney Cleaners; 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 part of this specification, in which—

The drawing represents a side view of the implement.

Similar letters of reference indicate like parts.

The object of this invention is to provide a simple and efficient implement for cleaning the chimneys of kerosene-lamps.

The features of my invention are set forth in the following.

A is the staff or handle, having pivoted at one end thereof the arms *b b*, which bear the brushes B B and C C.

The lower arms, bearing the brushes B B, are longer than the upper arms, and more curved than the upper arms, for the purpose of fitting in the swelled part of kerosene-lamp chimneys, as usually made.

The upper arms, bearing the brushes C C, are held together by an elastic strap or band, *a*, which, in bringing the upper brushes together in a manner suitable for acting on the small or cylindrical part of the chimney, cause the lower brushes to be extended, so as to act effectively on the swelled or ellipsoidal portion of the chimney.

The construction of the lower brushes will necessarily cause the upper brushes to diverge against the tension of the spring-band *a*, and by this dependent relation of the two pairs of brushes, the implement is made to act effectively upon the entire inner surface of the chimney, thus leaving no portion of it uncleaned.

The brushes may consist of any soft, yielding material. I employ loose cotton strands, or lamp-wicking cut in proper lengths, and clamped firmly between pieces of sheet metal, *e e e e*, as shown, the said sheet metal being formed with a sleeve-form for slipping on the arms *b*, where they may be made to fit tightly by pinching the metal against the arms with a proper tool.

The arms are preferably of wire, and are bent to the proper curve after the brushes are on them.

The arms are bent to form pivot-eyes, as shown, and are put on a pivot-wire passing through the slotted end of the shaft A.

d is a cap-plate, passing over the open end or slot of the staff.

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

A lamp-chimney cleaner, having four brushes, B B, C C, affixed on the arms *b b*, in combination with the staff A and spring-band *a*, of rubber or other suitable material, all substantially as and for the purpose shown and described.

N. A. VURGASON.

Witnesses:

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