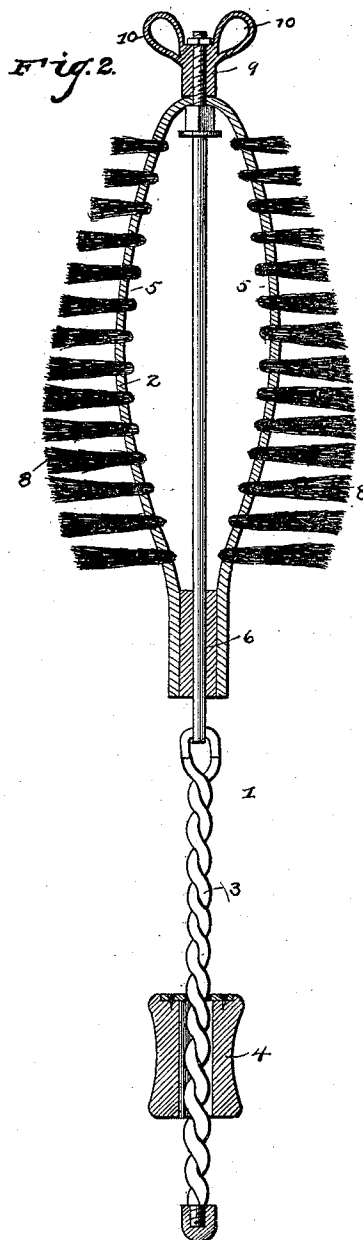
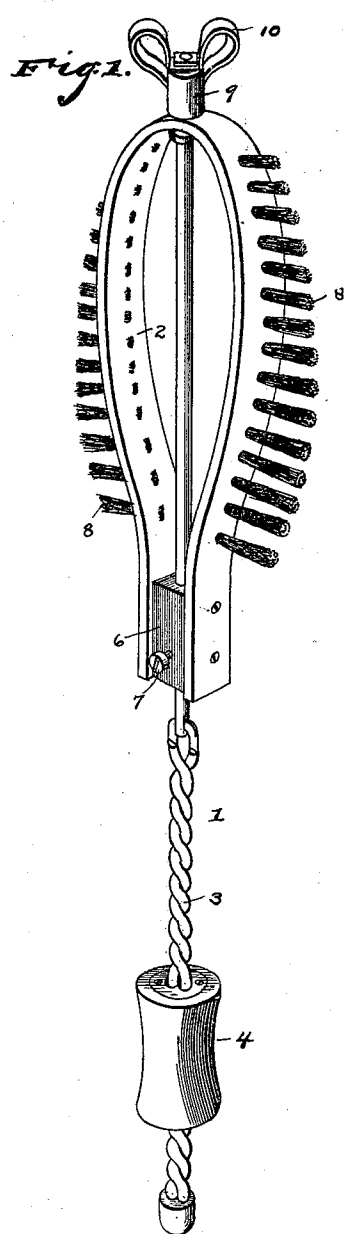


(No Model.)

D. AIKEN.  
CHIMNEY CLEANER.

No. 478,302.

Patented July 5, 1892.



Witnesses

*B. S. Ober*  
*N. F. Riley*

Inventor

*David Aiken*

By his Attorneys,

*Cashow & Co.*

# UNITED STATES PATENT OFFICE.

DAVID AIKEN, OF WINNSBOROUGH, SOUTH CAROLINA.

## CHIMNEY-CLEANER.

SPECIFICATION forming part of Letters Patent No. 478,302, dated July 5, 1892.

Application filed December 31, 1891. Serial No. 416,697. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID AIKEN, a citizen of the United States, residing at Winnsborough, in the county of Fairfield and State of South Carolina, have invented a new and useful Chimney-Cleaner, of which the following is a specification.

The invention relates to improvements in chimney-cleaners.

The object of the present invention is to provide a simple and inexpensive chimney-cleaner adapted to conform readily to the sides and the shape of the chimney to be cleaned and capable of cleaning a chimney in a short time.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a chimney-cleaner constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view.

Like numerals of reference indicate corresponding parts in both the figures of the drawings.

1 designates a shaft carrying an adjustable brush 2 and provided with spirally-coiled wires 3, which are engaged by a sleeve 4, whereby the shaft is rotated to turn the brush rapidly within a chimney. The spirally-twisted wires 3, which form a portion of the shaft 1, are secured together, and the spiral threads or ways formed by them are engaged by the sliding sleeve 4 to rotate the shaft.

The adjustable brush 2 is adapted to be expanded and contracted to suit the size of the chimney, and it is flexible, whereby it may readily conform to the shape of the chimney to be cleaned, and it is composed of flexible sides 5, having their upper ends rigidly secured to the shaft and their lower ends attached to an adjustable sleeve 6, which is

mounted on the shaft and is provided with a central longitudinal opening to receive the same and is adapted to be moved on the shaft to expand and contract the brush. The adjustable sleeve 6 is provided with a set-screw 7, whereby it may be readily secured at any adjustment. The flexible sides 5 of the brush are preferably constructed of a single piece of leather, as illustrated in the accompanying drawings. The bristles 8 of the brush gradually taper in order to enable the brush to conform to the shape of a chimney. At the upper end of the shaft is swiveled a handle 9, which is provided with two finger-loops 10, by which the device may be readily held.

The chimney-cleaner is operated by moving the sliding sleeve 4 back and forth on a spirally-twisted portion of the shaft.

It will be seen that the chimney-cleaner is simple and comparatively inexpensive in construction and is adapted to readily conform to the size and shape of the chimney to be cleaned.

What I claim is—

In a chimney-cleaner, the combination of a shaft, the two wires spirally twisted on each other and secured to and forming a continuation of the shaft, a sliding sleeve arranged on the wires and adapted to rotate the shaft, a brush composed of flexible sides having their outer ends rigidly connected to the shaft, and an adjustable sleeve mounted on the shaft and provided with a set-screw and having the other ends of the sides attached to it, and a swiveled handle arranged at the upper end of the shaft, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

DAVID AIKEN.

Witnesses:

R. B. HANAHAN, Jr.,  
JAS. W. HANAHAN.