(No Model.)

D. C. GREENWAY.

CHIMNEY FLUE BRUSH.

No. 246,757. Patented Sept. 6, 1881.

Fig. 1.

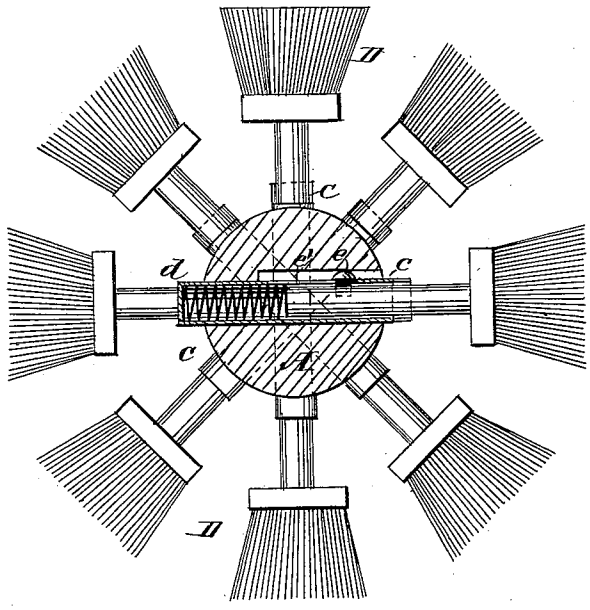
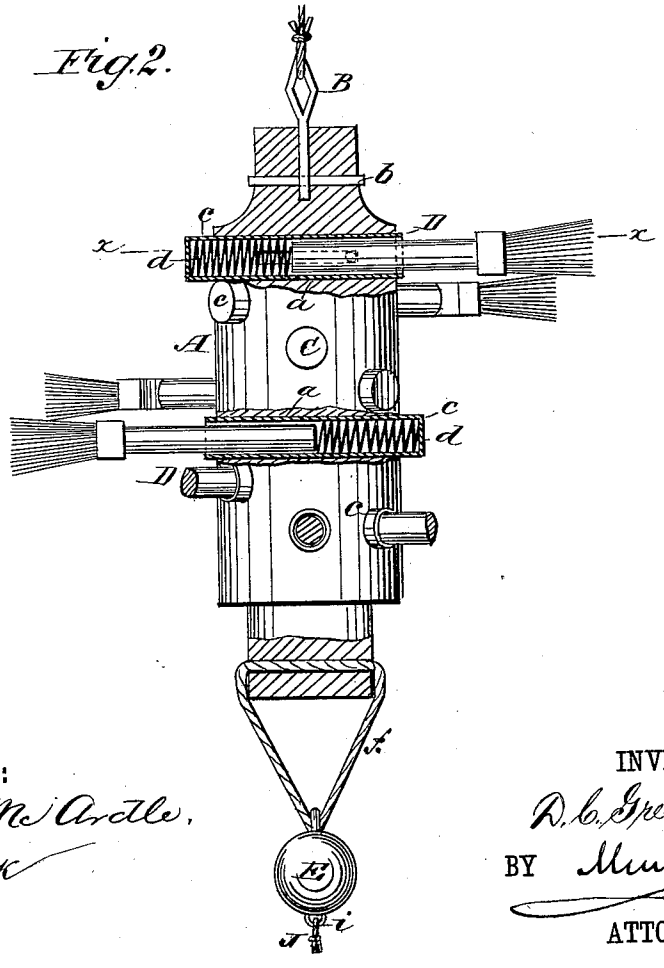


Fig. 2.



WITNESSES:

Francis McArdle.

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UNITED STATES PATENT OFFICE.

DAVID C. GREENWAY, OF ABINGDON, VIRGINIA.

CHIMNEY-FLUE BRUSH.

SPECIFICATION forming part of Letters Patent No. 246,757, dated September 6, 1881.

Application filed May 25, 1881. (No model.)

To all whom it may concern:

Be it known that I, DAVID C. GREENWAY, of Abingdon, in the county of Washington and State of Virginia, have invented an Improved Chimney-Flue Brush, of which the following is a specification.

The object of my invention is the production of a brush by which chimney and other flues may be conveniently and thoroughly swept, and one which is adapted to flues of different sizes.

In the accompanying drawings, Figure 1 is a cross-section of my invention, taken on the line *x x* of Fig. 2; and Fig. 2 is an elevation, partly in section.

Similar letters of reference indicate corresponding parts.

The block A is preferably of hard wood, and should be of such size as to easily pass through small chimney-flues, and is bored through with any desired number of holes *a*, which holes are preferably arranged spirally around the block. In the holes *a* are secured the metal casings or tubes *c c*, which may be of greater length than the diameter of the block, and are so placed in the holes through the block that the open ends thereof are flush with the periphery of the block. Within the tubes are placed the spiral springs *d d*, and upon these springs the shanks of the brushes D D rest, and the brushes are held in place in the tubes by the screws or pins *e*, which pass through the slots *e'* in the tubes and into the shanks of the brushes, as shown in Fig. 1.

In the upper end of the block is secured, by means of the key *b*, the staple B, to which a rope may be attached for lowering and raising the brush through the flue; and to the lower end of the block is attached, by the rope or chain *f*, the weight E, which serves to cause the brush to pass down large and medium-sized flues of its own weight.

In case the weight is not sufficient to cause the brush to descend the flue, it will have to be drawn down by a rope, and for this purpose I provide the bottom of the weight with the staple *i*, into which the rope J may be attached when necessary.

In use the brushes are to be forced in upon the springs in the casing to such an extent that the device will enter the top of the flue. The springs, being thus compressed, cause the brushes to press against all sides and all parts of the chimney with a considerable force, and thus, in being drawn up and down the flue, accomplish the sweeping in a thorough manner.

It will be understood that the springs may be compressed to such an extent that the brush is adapted to sweep all sizes of chimneys, small, intermediate, and large.

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

The chimney-cleaning brush consisting of the wooden block A, diametrically bored through with numerous holes, spirally arranged, in combination with the slotted casings *c*, secured in each of said holes, the spring *d*, and the brushes, as shown and described.

DAVID CAMPBELL GREENWAY.

Witnesses:

CHARLES BASKERVILL,

PRESTON TRIGG.