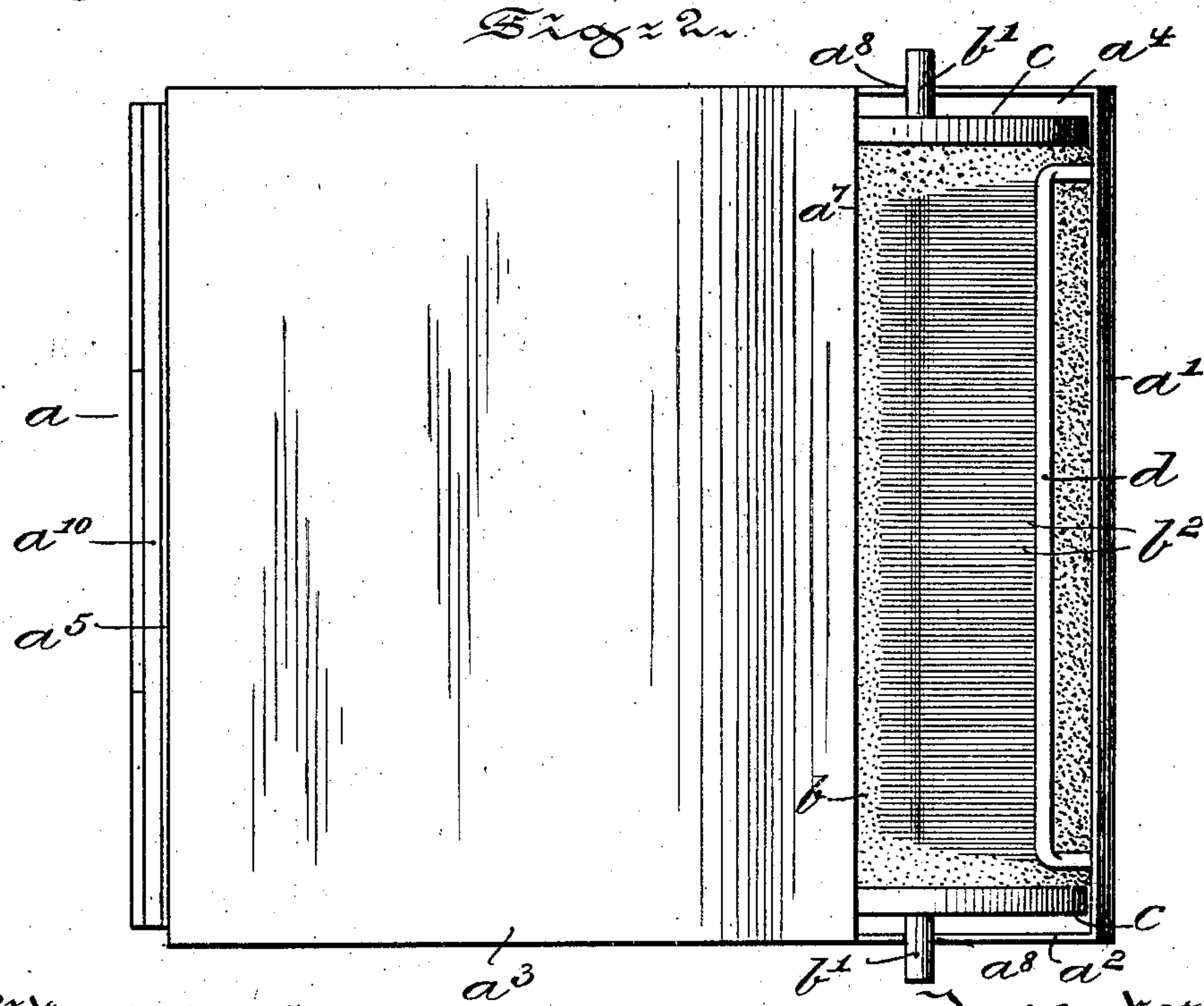
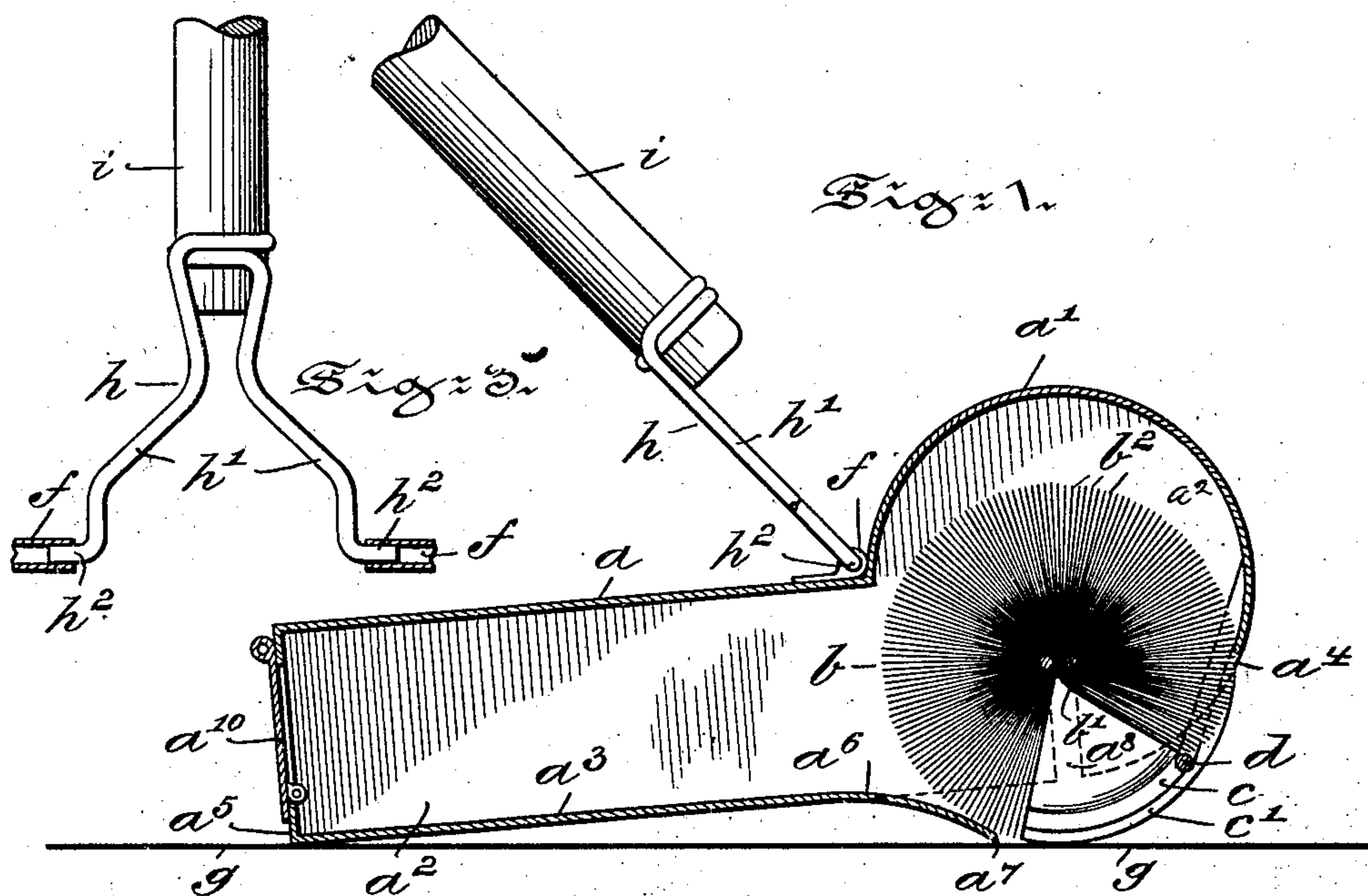


No. 842,826.

PATENTED JAN. 29, 1907.

J. S. CLAGETT.  
CARPET SWEEPER.

APPLICATION FILED JUNE 9, 1905.



Witnesses  
Wilhelm Vogt  
Thomas M. Smith.

Inventor  
J. S. Clagett.  
J. Walter Douglas  
Attorneys



# UNITED STATES PATENT OFFICE.

JOHN S. CLAGETT, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
HENRY H. NETTER, OF PHILADELPHIA, PENNSYLVANIA.

## CARPET-SWEEPER.

No. 842,826.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed June 9, 1905. Serial No. 264,378.

*To all whom it may concern:*

Be it known that I, JOHN S. CLAGETT, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Carpet-Sweepers, of which the following is a specification.

My invention has relation to a carpet-sweeper, and in such connection it relates more particularly to means for arresting the movement of the bristles of the brush during a certain period of time in the revolution of the brush, so as to permit the brush when disengaged from said means to forcibly strike and to force by a sweeping action dust and extraneous matter from a floor or carpet into the housing of the sweeper.

The principal objects of my invention are, first, to provide the housing of a carpet-sweeper with a rod or bar and to embed the same slightly in the bristles of the brush, so that the bristles when the brush is rotated are necessarily brought into and out of engagement with the bar and by the return of the bristles of the brush to normal position to quickly move over and forcibly strike and sweep dust or other extraneous matter from a carpet or floor into the housing of the sweeper; second, to so arrange the bar with respect to the brush that the bristles, returning to their normal position, will first strike the carpet or floor and then the edge of the bottom of the housing, so as to insure a thorough and complete removal of all dust, particles, or other extraneous matter from the carpet or floor into the housing of the sweeper; third, to arrange the brush at one end of the housing and to utilize the operating-shaft thereof, carried by the wheels of the sweeper to hold the shaft end of the housing slightly above the carpet or floor over which the brush is adapted to travel; fourth, to provide the housing with a curved and downwardly-projecting portion adjacent to the brush, so as to facilitate the sweeping of the dust into the same; fifth, to provide the housing at the end opposite the brush with a door, which when the housing is raised and assumes a substantially vertical position permits of the ready removal of dust and other matter therefrom, and, sixth, to connect the handle with the housing of the sweeper by a spring-bail, which permits of a quick engagement

and disengagement of the handle from the housing.

The nature and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a view, partly in longitudinal section and partly in elevation, of a carpet-sweeper, illustrating the brush arranged in the front end of the housing of the sweeper, the bar slightly embedded in the brush, and the manner of arresting the movement of the bristles and releasing the same, the door arranged in the rear end of the housing, and the spring-bail connecting the handle with the housing, all embodying main features of my present invention. Fig. 2 is a plan view of the under side of the housing and illustrating a portion of the brush and the rod or bar carried by said housing and engaging the same; and Fig. 3 is a detail view, partly in elevation and partly in section, illustrating the manner of connecting the spring-bail with the handle and the engagement of the same with eyes of the housing.

Referring to the drawings, *a* represents a housing provided at the front end with a dome-shaped projection *a'*, adapted to form, in conjunction with the side walls *a<sup>2</sup>* thereof, the receptacle for a brush *b*. The projection *a'* terminates a certain distance above the bottom *a<sup>3</sup>* of the housing, so as to form between the projection *a'* and the bottom *a<sup>3</sup>* an opening *a<sup>4</sup>*, through which a certain portion of the brush *b* is exposed and is slightly projected beyond the same. As shown in Fig. 2, to the projecting ends of the shaft *b'*, carrying the bristles *b<sup>2</sup>* of the brush *b*, are secured wheels *c*, each of which is preferably provided with a rubber tire *c'*. These wheels *c* support the brush *b* and surround the ends thereof, and their shaft *b'* by engaging slots *a<sup>5</sup>*, arranged in the side walls *a<sup>2</sup>* of the housing *a*, also serve to support the front end of the same and to hold the edge *a<sup>7</sup>* of the inclined portion *a<sup>6</sup>* of the bottom *a<sup>3</sup>* in close proximity to the floor or carpet *g*, over which the brush is traveling. A rod or bar *d*, connected with and extending a certain distance below the projection *a'* of the housing *a*, engages and is slightly embedded in the bristles *b<sup>2</sup>* of the brush *b* between the wheels *c*, so as to arrest the movement of the bristles *b<sup>2</sup>* in the man-



ner shown in Figs. 1 and 2 when the brush  $b$  is rotated by the wheels  $c$  through the forward movement of the housing  $a$ , transmitted to the shaft  $b'$  thereof.

- 5 The location of the bar  $d$  with respect to the brush  $b$  is such that when the bristles  $b^2$  are arrested and then released from the bar  $d$  and by return to their normal position will first be brought into engagement with the  
 10 floor or carpet  $g$ , over which the brush  $b$  is traveling, and then complete their movement at and beyond the edge  $a^7$  of the inclined portion  $a^6$  of the bottom  $a^3$  of the housing, which serves as a dust-pan. By  
 15 this quick and forcible movement of the bristles  $b^2$ , which is independent of the movement imparted to the same by the shaft  $b'$ , over the floor or carpet  $g$  all dust, particles, or other extraneous matter resting thereon  
 20 will be swept into the housing  $a$  over the curved surface  $a^6$  of the same, which by its outline facilitates the entrance of such matter therein. The wheels  $c$  by surrounding the ends of the brush  $b$  hold the bristles of the  
 25 brush located adjacent to the wheels in their proper position, and thus assist in the sweeping of dust or other matter into the housing  $a$  by preventing the bristles from sweeping the dust sidewise and not into the housing.  
 30 The housing  $a$ , being raised at its front end and resting with its rear end  $a^5$  directly on a floor or carpet  $g$ , will assume an inclined position with respect to the same, and will thus securely retain dust swept into the sweeper.  
 35 Preferably at the point of junction between the housing  $a$  and the projection  $a'$  thereof are arranged eyes  $f$ , which are engaged by the ends  $h^2$  of the outwardly-flar-

ing arms  $h'$  of a spring-bail  $h$ , which by being wound around a handle  $i$  in the manner  
 40 shown in Fig. 3 is securely connected with the same. By moving the arms  $h'$  of the spring-bail  $h$  toward each other the bail as well as the handle  $i$  can be quickly disengaged  
 45 from the eyes  $f$ , and thereby from the housing  $a$ , for shipment or any other purpose. When the housing  $a$  is lifted from the floor by means of the handle  $i$ , the same will assume  
 50 a substantially vertical position with respect to the floor  $g$ , in which position and when the door  $a^{10}$ , arranged in the rear end  $a^5$  of the housing  $a$ , is opened the dust and other matter swept into the sweeper by the brush  $b$  readily leaves the same by gravity.

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is--

In combination with a casing, a dome-like projection at one end, the lower portion of said projection being open, a shaft mounted  
 60 in the dome-like projection, wheels secured to the shaft within the projection, bristles carried by the shaft, said bristles being of such length as to extend partly through the opening of the projection, a rod extending  
 65 across the opening of the projection contacting with the bristles to retard the movement thereof and extensions on the rod secured to the interior of the projection.

In testimony whereof I have hereunto set  
 70 my signature in the presence of two subscribing witnesses.

JOHN S. CLAGETT.

Witnesses:

J. WALTER DOUGLASS,  
 THOMAS M. SMITH.