

No. 693,100.

Patented Feb. 11, 1902.

G. M. BELL.

DUSTER FOR CLEANING WALLS, &c.

(Application filed Oct. 10, 1901.)

(No Model.)

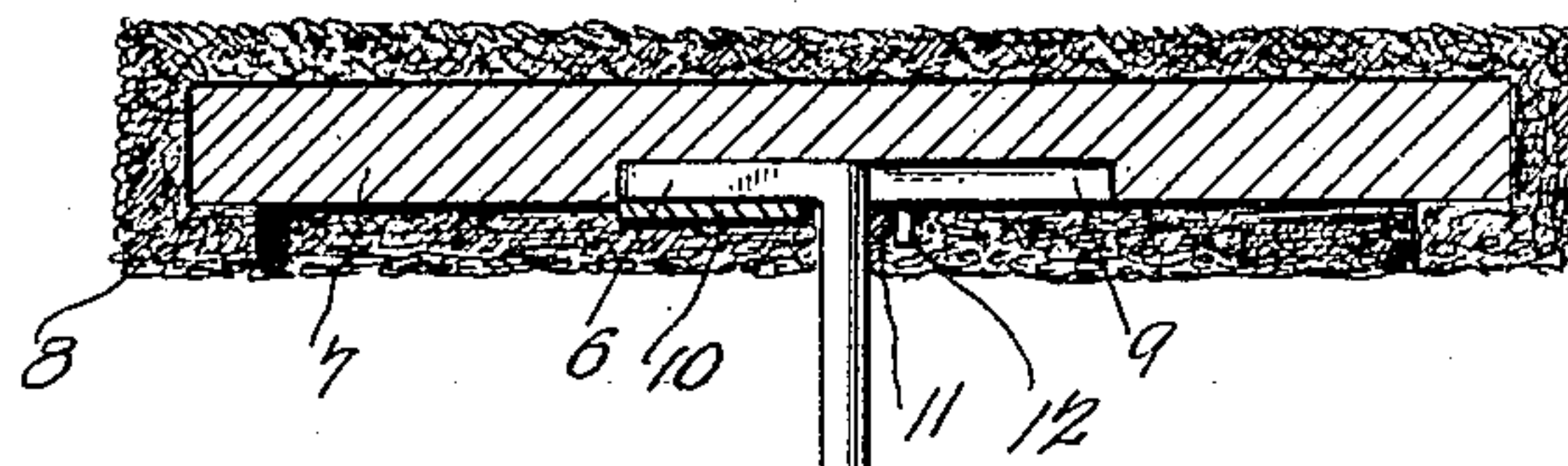


Fig. 1.

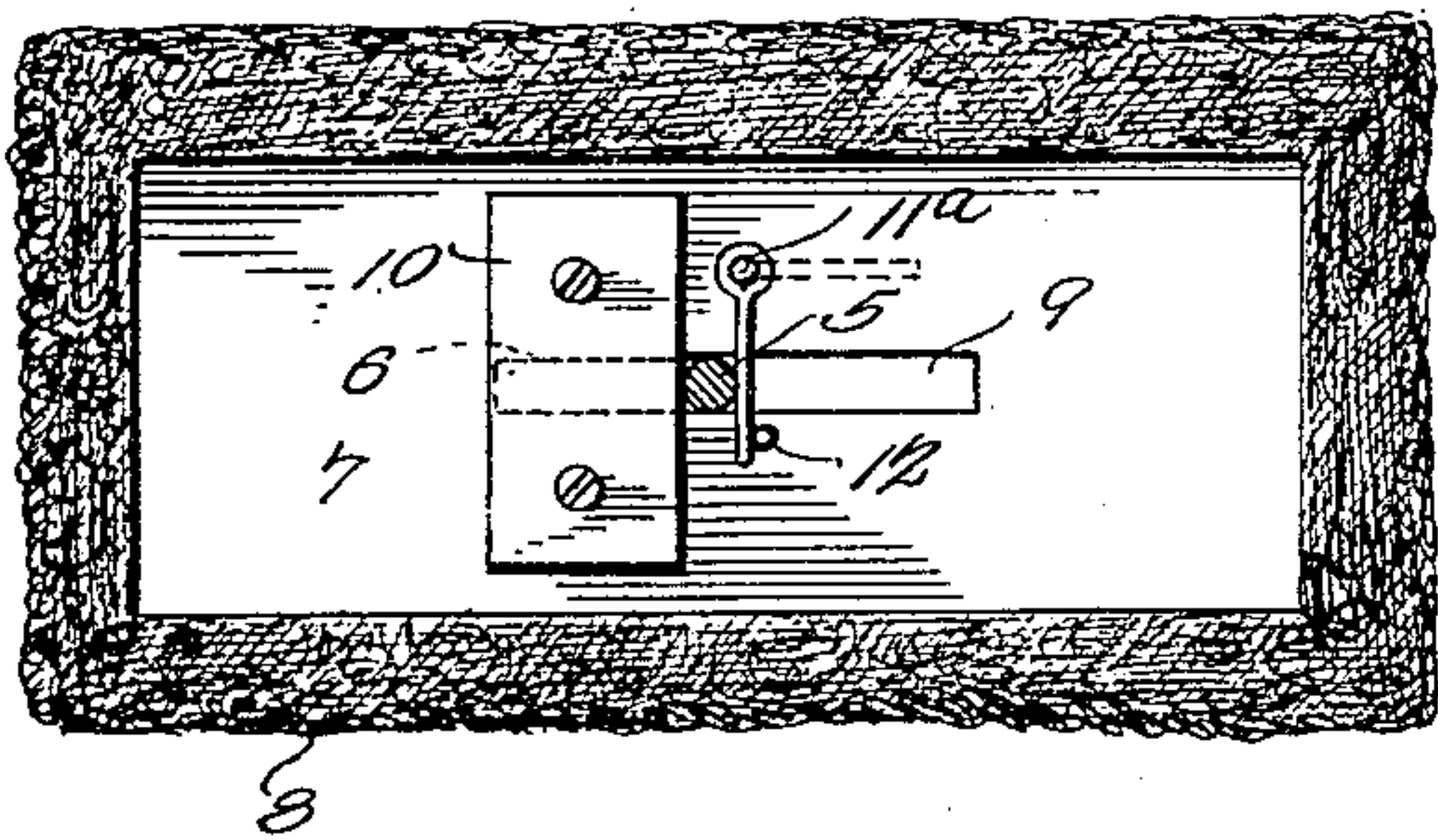


Fig. 2.

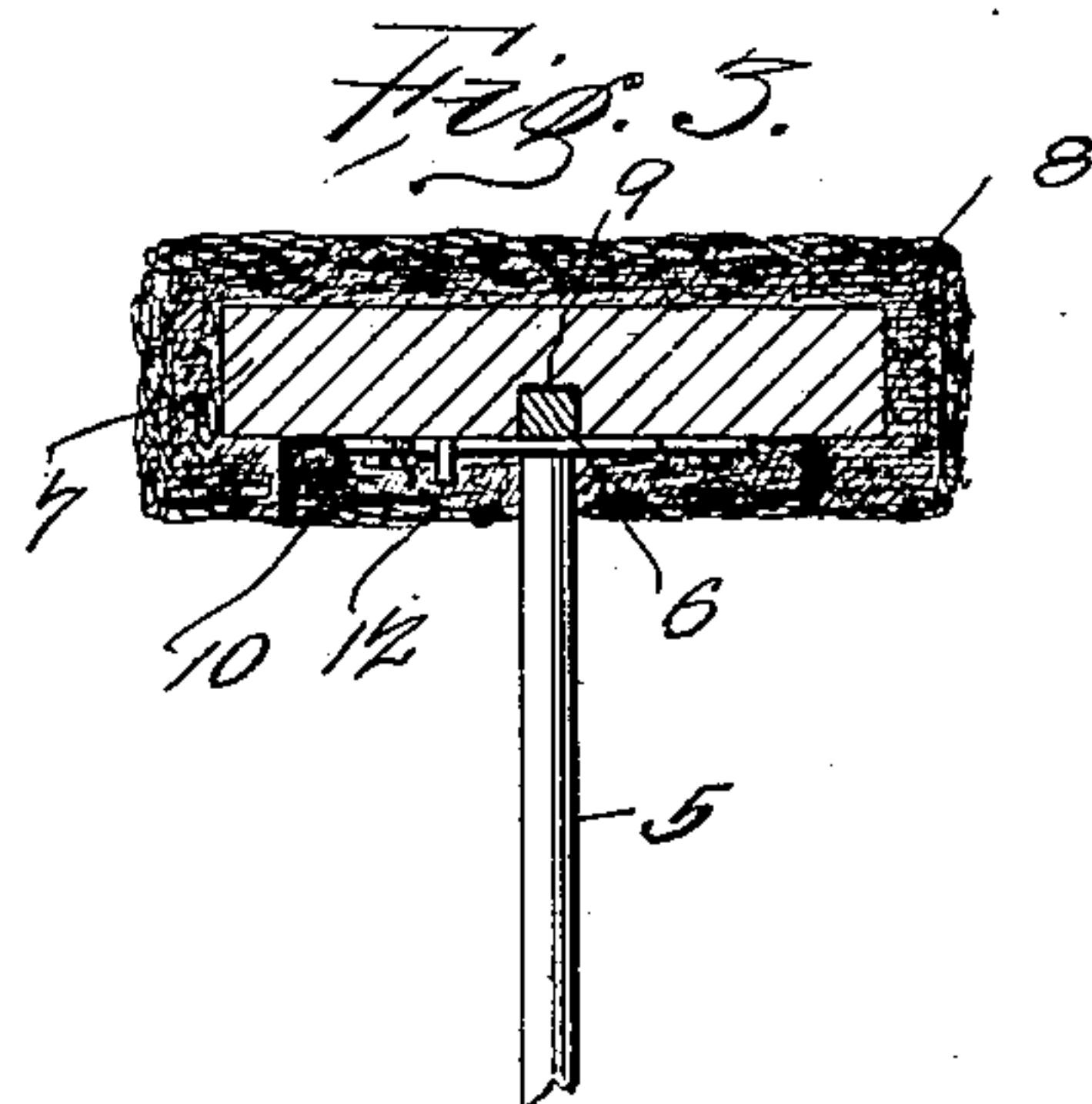
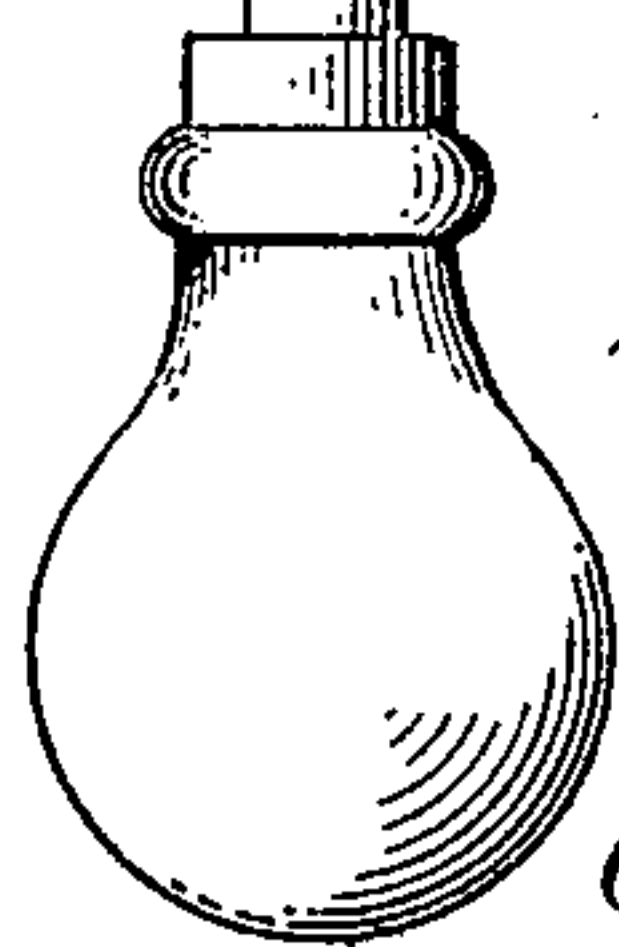


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

GERTRUDE M. BELL, OF GERMANTOWN, PENNSYLVANIA.

DUSTER FOR CLEANING WALLS, &c.

SPECIFICATION forming part of Letters Patent No. 693,100, dated February 11, 1902.

Application filed October 10, 1901. Serial No. 78,249. (No model.)

To all whom it may concern:

Be it known that I, GERTRUDE M. BELL, a citizen of the United States, residing at Germantown, Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Duster for Cleaning Walls, &c., of which the following is a specification.

This invention relates to a duster or brush for cleaning walls and the like; and the object of the same is to provide a simple and effective device of this character adapted to be adjusted to engage ceilings or walls having different vertical heights, and including a head which is readily separable from the supporting means therefor for the purpose of cleansing or otherwise treating the same.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a sectional elevation of a duster or brush embodying the features of the invention. Fig. 2 is a bottom plan view of the duster or brush head, showing the support therefor in section. Fig. 3 is a transverse vertical section through the head and showing a part of the support therefor.

The numeral 1 designates a tubular stock or handle having a lower enlarged grip-terminal 2 and formed with an upper boss 3, having a thumb-screw 4 mounted therein. A supporting-rod 5 is adjustably mounted in the stock or handle 1 and adapted to be held by the thumb-screw 4, projected from said stock or handle any distance desired, the upper end of the supporting-rod being formed with a right-angular flattened arm 6 for a purpose which will be presently set forth. The duster or brush head comprises a body 7 of suitable material having a covering 8, preferably of sheep's wool, applied over the upper side thereof, around the edges, and under the lower side for a short distance inwardly from the side edges, so as to fully cover the edges of the body 7 and remove all possibility of the wall or ceiling being scraped or otherwise injured and also to better enable the duster or brush head to be worked into corners or intersecting angles. In the central portion of the side of the body 7 a longitudinally-extending socket 9 is formed, and across a portion of

said socket a clip-plate 10 extends and is rigidly held to provide means for removably receiving the angular flattened arm 6 of the supporting-rod 5 in such manner as to prevent the duster or brush head from turning. To keep the angular arm 6 in connected relation to the clip-plate 10, a spring-rod 11 is employed and has one extremity pivotally connected, as at 11^a, and the other extremity free and adapted to be sprung over a limiting pin or nail 12, the rod 11 when sprung over said pin or nail closely bearing against the adjacent portion of the supporting-rod 5. When it is desired to release the arm 6 from the clip-plate 10, the rod 11 is pulled inwardly to clear the pin 12 and then turned to one side, as shown in dotted lines in Fig. 2, thus permitting the duster or brush head to be moved longitudinally, so that the arm 6 will come into the portion of the socket 9 unengaged by the clip-plate, when the said duster or brush head may be easily separated from the arm 6. This separation of the duster or brush head from the rod 5 is exceptionally advantageous in reducing the entire device to compact form and also to permit the said head to be cleansed. The fastening means for the arm 6 is simple in its construction and can be easily operated in the manner set forth to lock or disengage the duster or brush head.

When the duster or brush head has been applied in the manner shown by Fig. 1, the rod 5 will be projected from the handle 1 as far as desired, and the operator will then draw or push the duster or brush head over the wall to be cleaned, and in view of the adjustment of the rod 5 the device will be found exceptionally convenient in cleaning ceiling-walls, as the operator can stand upon the floor and carry on the cleaning operation without indulging in a tiresome reaching action or being required to stand upon some elevating device. The improved device as an entirety is simple in its construction and can be cheaply manufactured.

Having thus described the invention, what is claimed as new is—

1. In a dust-brush, the combination of a supporting device having an angular end, a brush-head having a socket adapted to receive said angular end, a plate disposed over said socket and adapted to engage said supporting de-

vice, and means for clamping said supporting device against said plate.

2. In a dust-brush, the combination of a supporting-rod having an angular end, a brush-
5 head having a socket adapted to receive said angular end, a clip-plate disposed over said socket and angular end of the supporting-rod, and a locking-rod for clamping the support-
ing-rod against the edge of said clip-plate.

10 3. A dust-brush comprising a head having a socket therein, a supporting-rod having an angular end adapted to be inserted in one end of said socket, a plate attached to the outer face of said head over one end of said socket,

a locking-rod pivotally connected to the outer 15
face of said head and adapted to extend trans-
versely across said socket, and means for hold-
ing said locking rod firmly in position to clamp
the supporting-rod between the clip-plate and
said locking-rod. 20

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

GERTRUDE M. BELL.

Witnesses:

HENRY BELL,

JAMES F. COURTNEY.