

(No Model.)

E. EHRENBURG.

BRUSH OR BROOM.

No. 472,986.

Patented Apr. 19, 1892.

Fig. 1.

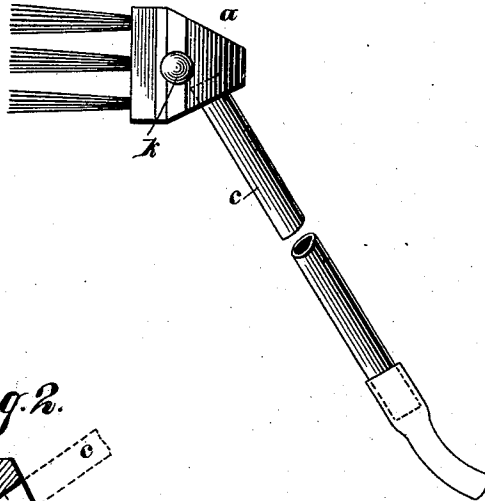


Fig. 2.

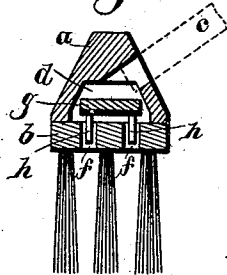


Fig. 3.

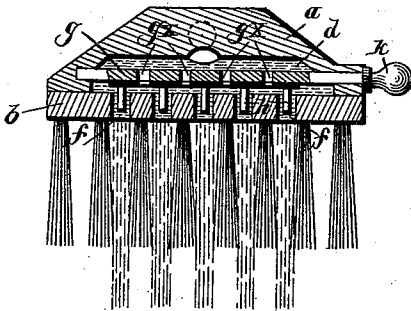
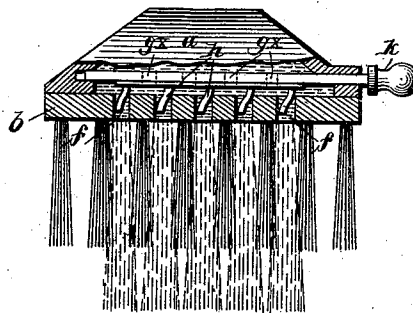


Fig. 4.



Witnesses:

W. G. Deterick
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UNITED STATES PATENT OFFICE.

EDUARD EHRENBERG, OF HAMBURG, GERMANY.

BRUSH OR BROOM.

SPECIFICATION forming part of Letters Patent No. 472,986, dated April 19, 1892.

Application filed July 23, 1891. Serial No. 400,452. (No model.) Patented in Germany June 9, 1889, No. 49,873.

To all whom it may concern:

Be it known that I, EDUARD EHRENBERG, a subject of the German Emperor, residing at Hamburg, in the German Empire, have invented certain new and useful Improvements in Brushes or Brooms, (for which I have obtained Letters Patent in Germany, No. 49,873, dated June 9, 1889,) of which the following is a specification.

10 This invention relates to that class of brushes and brooms which are adapted to deliver jets of water between the knots; and the object of the same is to facilitate the process of washing the fronts of buildings, railway-carriages, and other large surfaces.

15 In the accompanying drawings, in which similar letters denote similar parts throughout the several views, Figure 1 is a side elevation of a brush provided with my invention; 20 Fig. 2, a cross-section; and Fig. 3, a longitudinal section of the same, showing a particular device within the hollow stock adapted to regulate the discharge of the water, while Fig. 4 represents, in a longitudinal section of the 25 brush, another position of the regulating device, as shown in Fig. 3.

30 In carrying my invention into effect I provide a hollow handle *c* and a hollow stock *a* *b*, the former being adapted to deliver the water into the cavity *d* within the latter, from which it is discharged among, between, and past the knots through a series of holes *f*, suitably and regularly positioned for the desired purpose. The hollow handle *c* is provided with a suitable hose connection to facilitate the supply of 35 water. Within the hollow space *d* of the stock *a* *b* I fit a slide or valve *g*, adapted to regulate the discharge of the water from the stock in respect both of direction and quantity. This

valve *g*, which is admitted to slide longitudinally, has perforations *g*^x, corresponding in number and position with those in the stock, and flexible tubes or studs *h*, entering the perforations *f* in the part *b* of the stock and capable from their adjustability by means of 45 a handle *k* in point of position to direct the water and regulate the quantity, so that it may be discharged either in right lines, Fig. 3, between the knots for rinsing or directed among the bristles, Fig. 4, as for washing. 50

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. As an improvement in brushes and brooms, the combination of the hollow stock 55 provided with perforations between the bristles, the hollow handle, and the adjustable valve or slide within the cavity of the stock, having flexible tubes or studs entering said perforations, substantially as set forth. 60

2. As an improvement in brushes and brooms, the combination of the hollow stock provided with perforations between the bristles, a hollow handle, and an adjustable slide 65 or valve having perforations corresponding in number and position with those in the stock, and flexible tubes or studs entering the perforations in the stock, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as 70 my invention I have signed my name, in presence of two witnesses, this 27th day of June, 1891.

EDUARD EHRENBERG.

Witnesses:

ALEXANDER SPECHT,
JOHN SCHWERIN.