

No. 641,350.

Patented Jan. 16, 1900.

J. P. WIENS.
DUSTLESS SWEEPING BRUSH.

(Application filed Jan. 26, 1899.)

(No Model.)

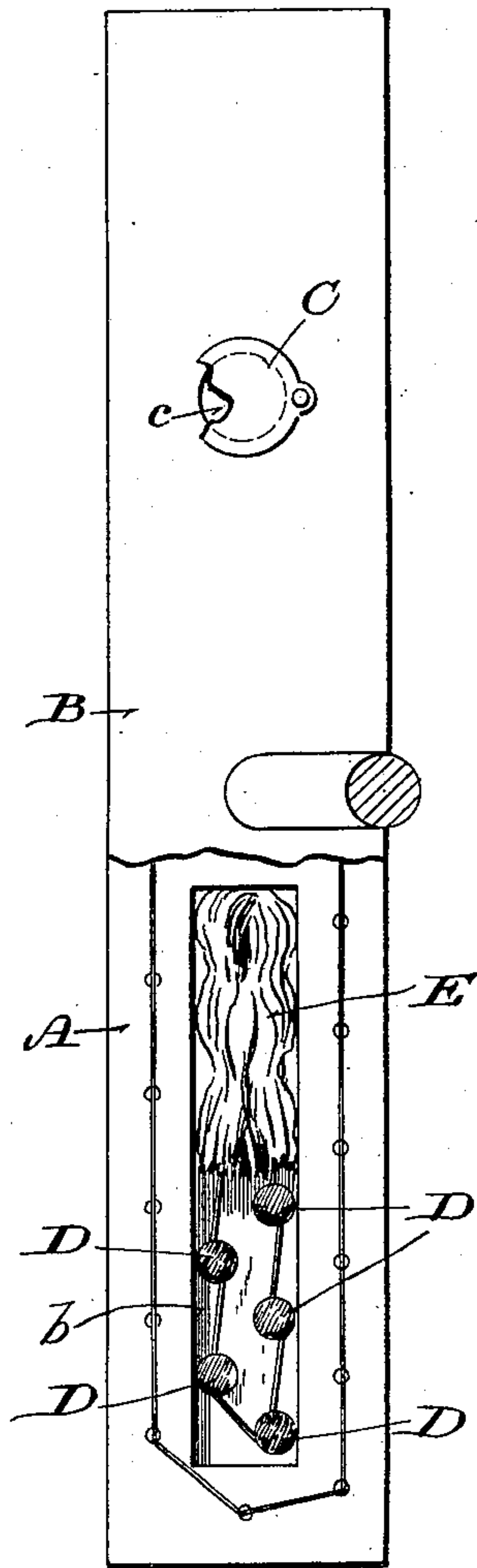
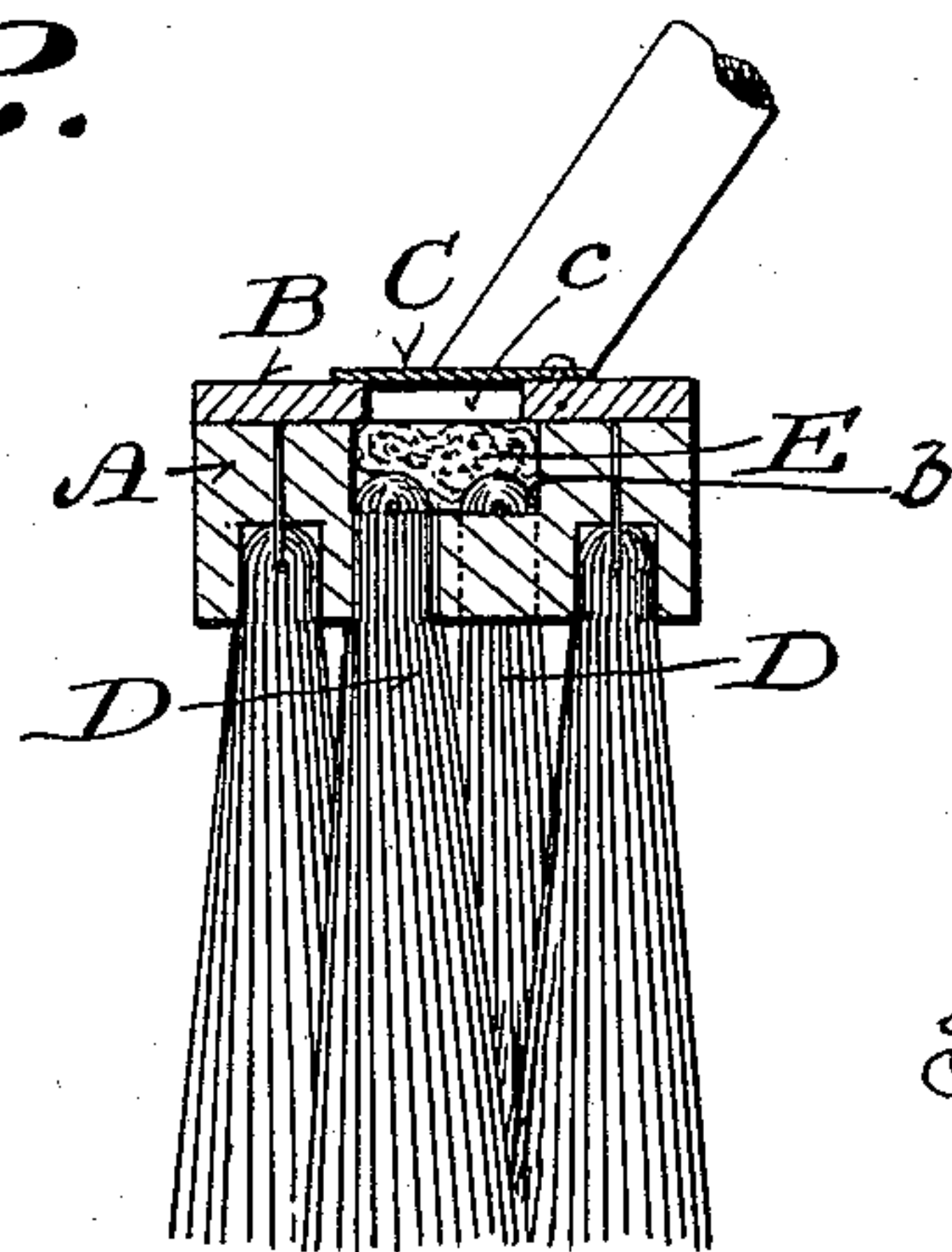


Fig. 1.

Fig. 2.



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JOHN P. WIENS, OF MILWAUKEE, WISCONSIN.

DUSTLESS SWEEPING-BRUSH.

SPECIFICATION forming part of Letters Patent No. 641,350, dated January 16, 1900.

Application filed January 26, 1899. Serial No. 703,425. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. WIENS, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Dustless Sweeping-Brushes; and I do hereby declare that the following is a full, clear, and exact description thereof.

10 Dustless sweeping-brushes of which I am aware comprise a series of absorbent tufts bordered by non-absorbent tufts, and, as is well known to the brush trade, it is customary to make the absorbent tufts from palma fiber
15 and the non-absorbent tufts from tampico fiber, both of these fibers being material of common knowledge to brush-makers. Heretofore in the utilization of ordinary dustless sweeping-brushes it has been necessary from
20 time to time to pour a somewhat volatile oil, such as kerosene or gasoline, upon the absorbent tufts to saturate the same, and this practice being open to objections the object of my invention is to provide simple economical brushes of the kind stated organized
25 to carry a reserve supply of oil having automatic feed to the absorbent tufts.

Therefore said invention consists in certain peculiarities of construction and combination
30 of parts hereinafter particularly set forth with reference to the accompanying drawings and subsequently claimed.

Figure 1 of the drawings represents a transverse sectional view of a dustless sweeping-brush embodying my improvements; and Fig.
35 2, a plan view of the brush, partly broken.

Referring by letter to the drawings, A represents a brush-back provided with upper

longitudinal recesses *b*, and B a brush-back cover provided with ports *c*, that are closed
40 by disks C in pivotal connection with said cover. The brush-tufts are wire-drawn in the back A, and the absorbent tufts D have their butts exposed in the recesses *b* of said
45 back, these recesses being preferably filled with oil-saturated absorbent material E, such as cotton-waste, oil being poured in on the same from time to time through the ports *c* aforesaid.

The oil supplied to the brush saturates the
50 absorbent tufts D of the same to moisten and lay the dust disturbed by said brush during a sweeping operation, and by utilizing a brush in accordance with my invention the necessity for frequently treating said absorbent tufts
55 with oil is avoided, while at the same time there is a more economical utilization of said oil.

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

A dustless sweeping-brush having a recessed back, the butts of the absorbent tufts exposed in the recessed portion of the back, absorbent material contained in said recessed portion of
65 said back, a back-cover provided with ports, and closures for the ports.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.
70

JOHN P. WIENS.

Witnesses:

N. E. OLIPHANT,
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