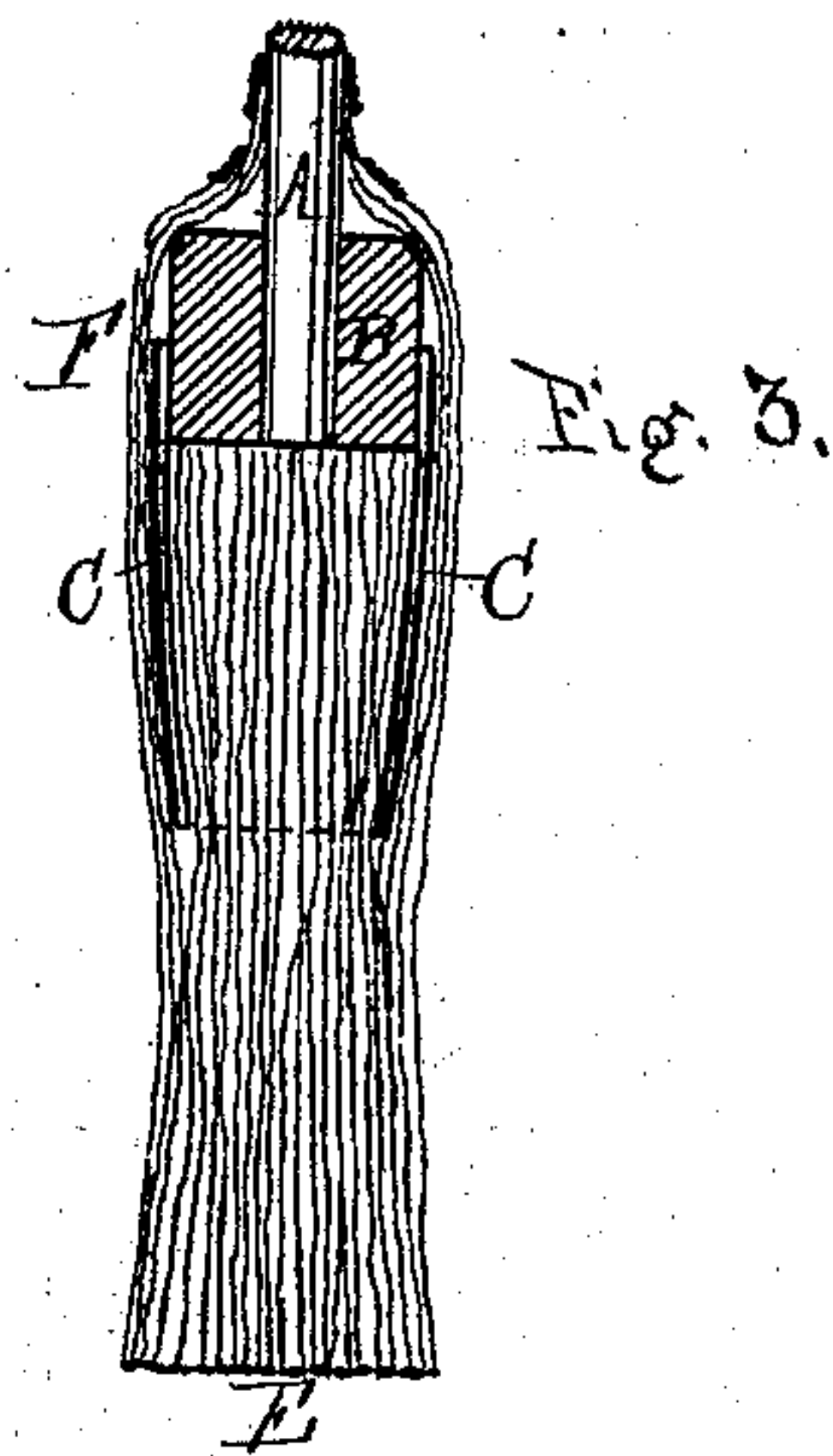
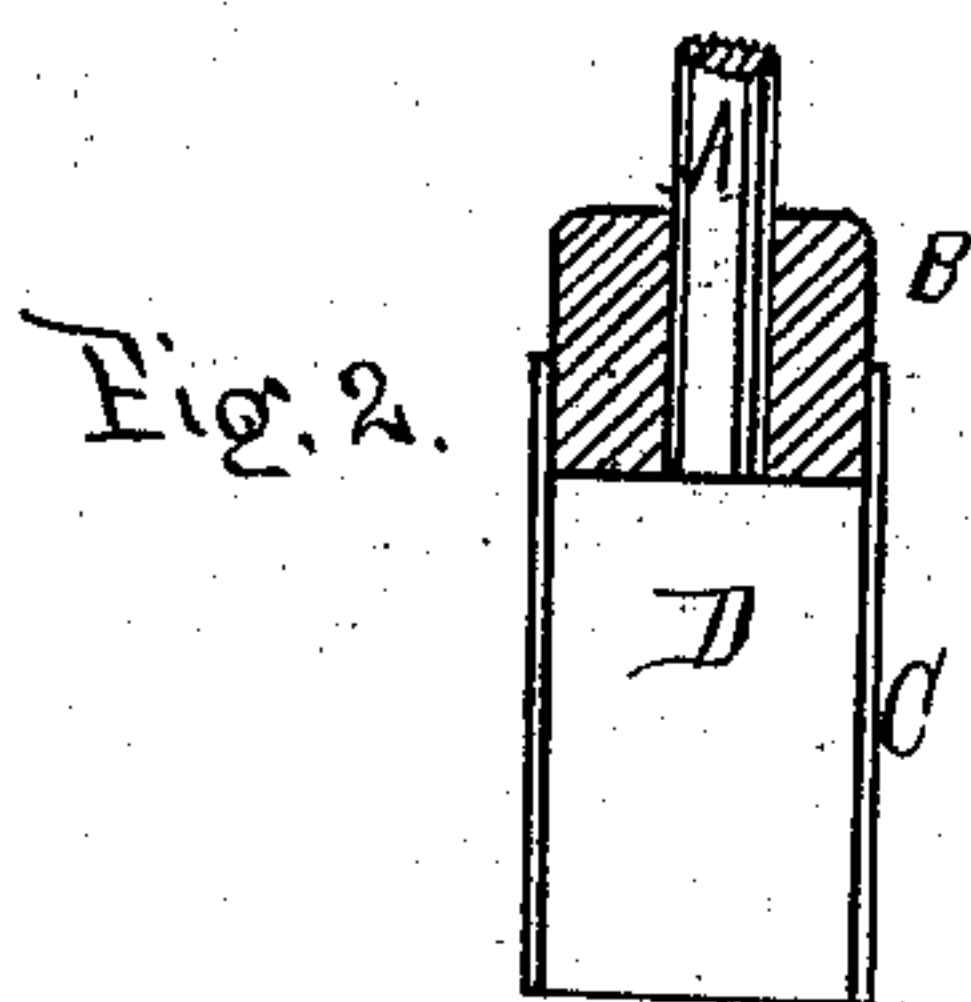
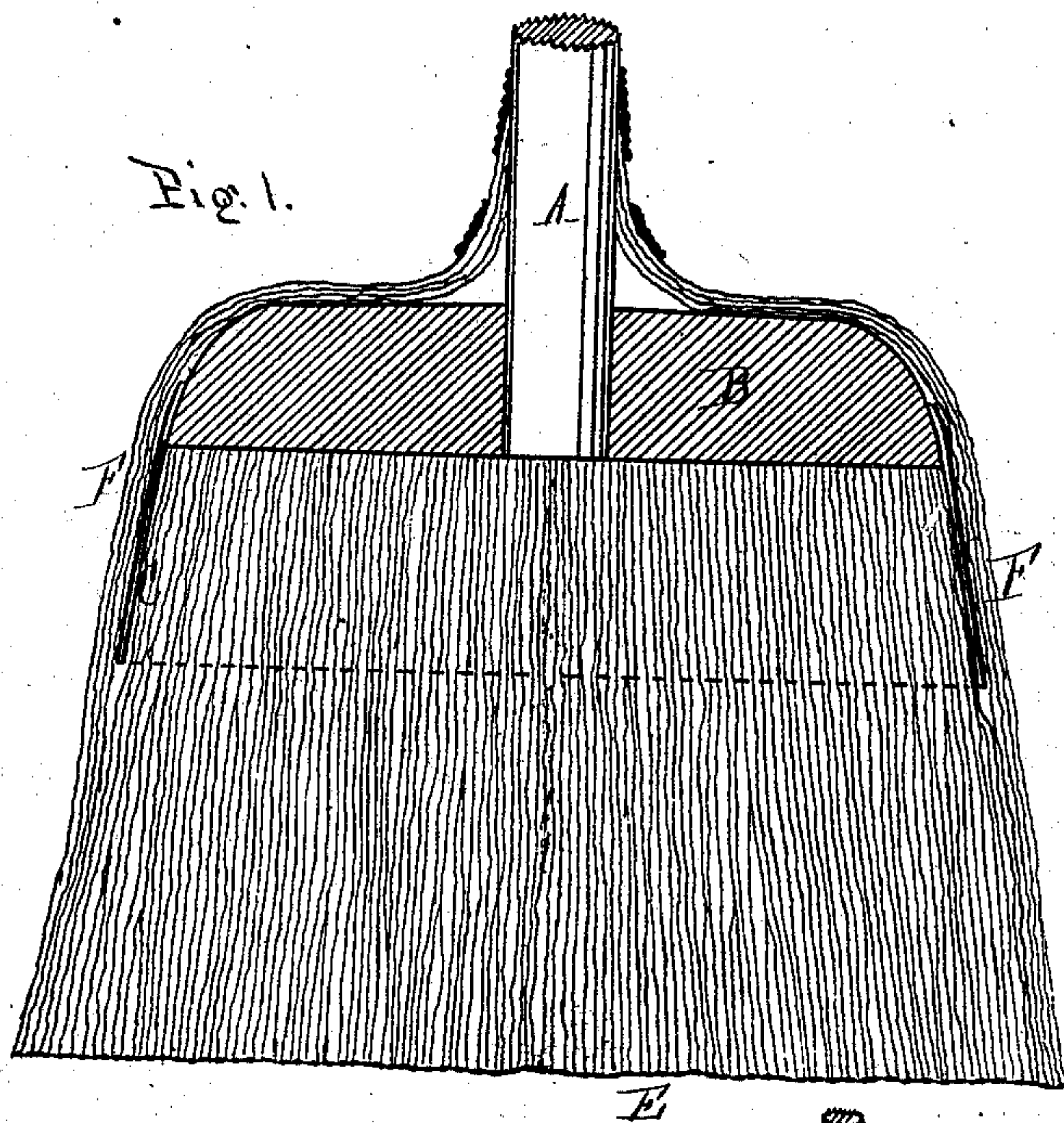


J. W. BOOTH.  
Broom.

No. 205,344.

Patented June 25, 1878.



ATTEST  
*Peter E. DeWitt*  
*Charles J. Smith*

INVENTOR  
*J. W. Booth*  
By Atty  
*Thos. D. Sprague*

# UNITED STATES PATENT OFFICE.

JOHN W. BOOTH, OF WAYNE, ASSIGNOR TO GEORGE C. WETHERBEE, OF  
DETROIT, MICHIGAN.

## IMPROVEMENT IN BROOMS.

Specification forming part of Letters Patent No. **205,344**, dated June 25, 1878; application filed  
April 13, 1878.

*To all whom it may concern:*

Be it known that I, JOHN W. BOOTH, of Wayne, in the county of Wayne and State of Michigan, have invented an Improvement in Brooms, of which the following is a specification:

The nature of my invention relates to new and useful improvements in the construction of brooms.

The invention consists in a broom provided with a flexible or springy internal hollow socket secured to a solid head, into which the handle is inserted. Into the hollow socket the ends of the corn are inserted to form the body of the broom, and are secured by glue or any suitable cementitious substance and by compressing the free sides or edges of the socket toward each other or inwardly, and over this form an outside layer of corn is placed and secured, all as more fully hereinafter described.

Figure 1 is a vertical central section of the broom complete. Fig. 2 is a section at right angles to Fig. 1 of the hollow socket and solid head ready to be filled with broom-corn. Fig. 3 is a like view, showing said socket filled.

In the annexed drawings, which form a part of this specification, A represents the broom-handle inserted into the solid wooden head B. Secured to this solid head is a flaring-shaped flexible metallic band, C, which projects below the bottom of the solid head sufficiently to form a socket, D, into which is inserted and secured partially by cement the broom-corn, which forms the body E of the broom.

Owing to the fact that the socket D incloses the broom-straws for a greater part of their length than is usual in brooms, the straw need not be of the first quality, since by the use of the cap it is not as flexible, and is consequently as durable as a better quality of straw secured directly to the head-block.

The straws are further secured in the socket by bending the latter inwardly, as shown in Fig. 3, by which they are tightly held in position.

A layer of corn, F, is arranged around the outside of the before-mentioned parts, and is secured with wire, as usual.

I am aware that socket-heads have been before employed, and am aware of the Letters Patent granted to Kellogg and Bunker, issued May 30, 1876, and numbered 178,011, in which a wooden head is used, hollowed out to form a socket, and therefore do not broadly claim a socket-head for a broom; but

What I claim as my invention, and desire to secure by Letters Patent, is—

The broom described, consisting of the handle A, head-block B, flexible metallic band C, secured to such head-block, and bent inwardly at its bottom to inclose the broom-straws more securely within it, and an outer layer of broom-straws, F, all constructed and arranged substantially as and for the purposes set forth.

JOHN W. BOOTH.

Witnesses:

H. S. SPRAGUE,  
PETER E. DE MILL, Jr.