

J. J. COBURN.
Broom-Protectors.

No. 150,530.

Patented May 5, 1874.

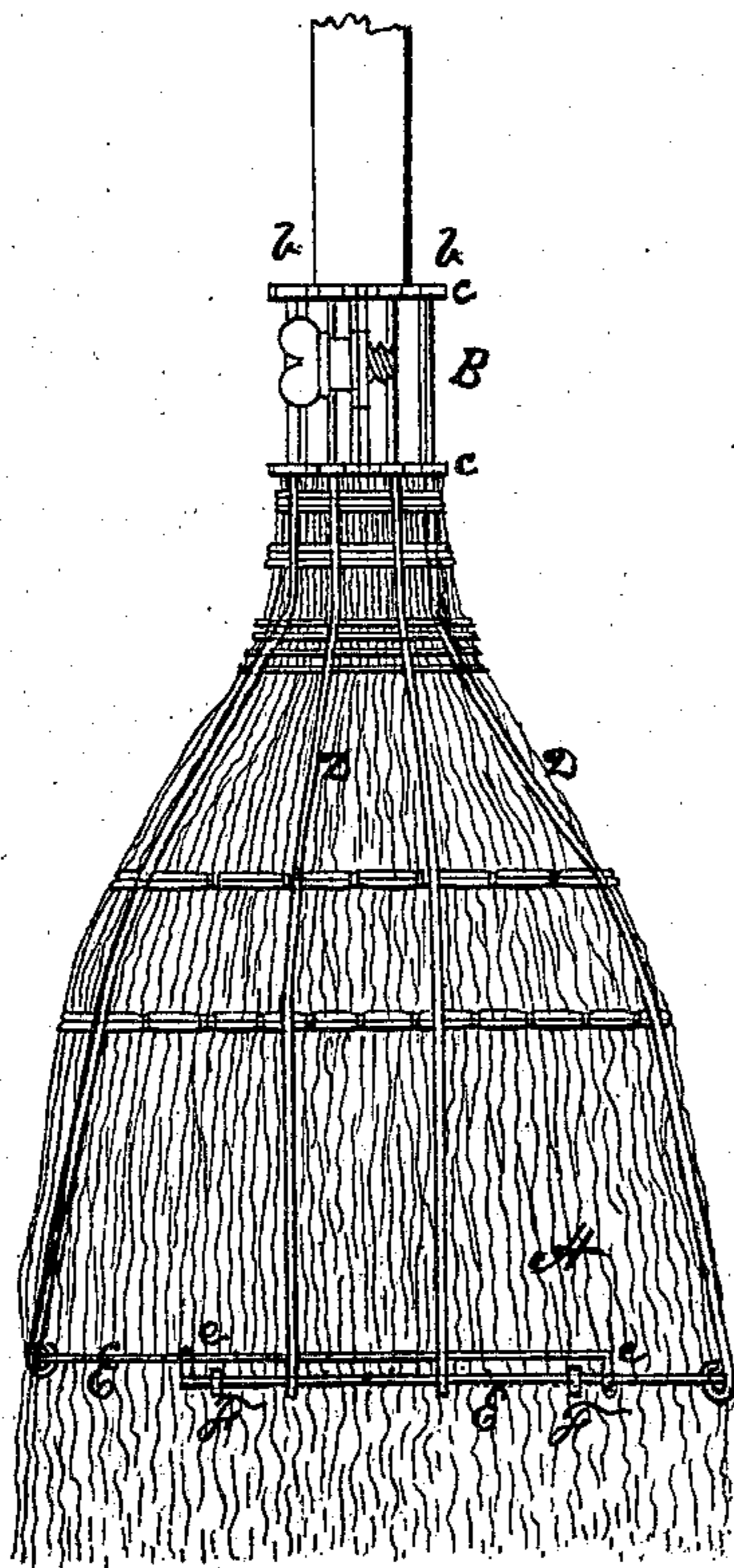


Fig 1

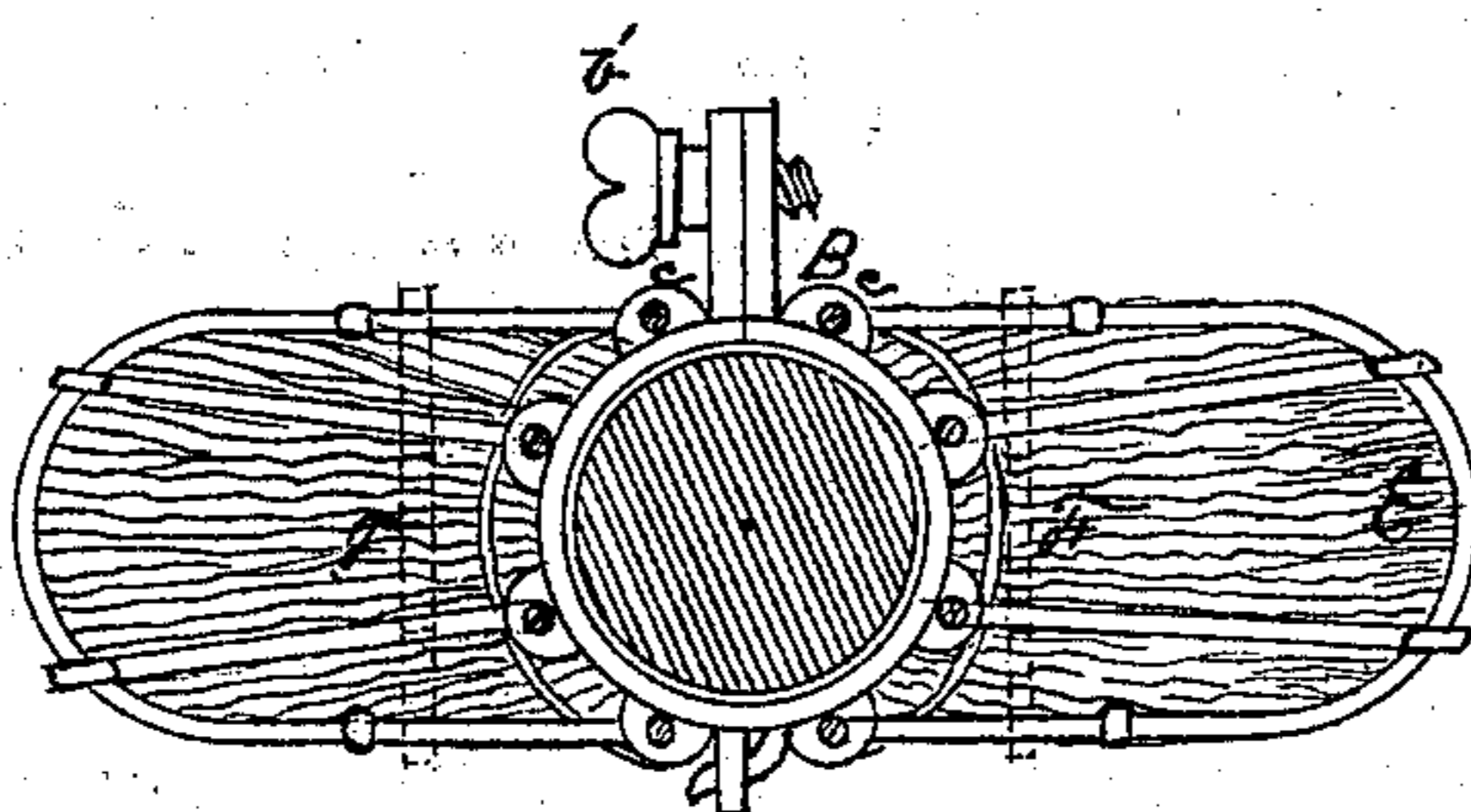


Fig 2

WITNESSES.

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UNITED STATES PATENT OFFICE.

JOHN J. COBURN, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BROOM-PROTECTORS.

Specification forming part of Letters Patent No. **150,530**, dated May 5, 1874; application filed February 14, 1874.

To all whom it may concern:

Be it known that I, JOHN J. COBURN, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Broom-Protectors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

Figure 1 is an elevation; Fig. 2, a top view or plan.

My invention has for its object to provide a support for a broom to prevent the head thereof from being broken or bent. My invention consists in the combination, with a clamp to be secured to the broom-stock, of expanding and contracting bands, to be applied to the head, and supporting-rods connecting said bands and clamp, substantially as hereinafter described.

Referring to the accompanying drawing, which illustrates my invention, A is a broom, to the handle of which is secured a clamp, B. This clamp is made in two sections, *b b*, which are jointed or hinged to each other, being also fastened by the thumb-screw *b'*. The clamp B is also provided with the annular flanges or lips *c c*, through which pass the wires or rods

D D, which support the encircling bands E E'. These bands have their extremities made in the form of eyes *e e*, through which the wires forming the band pass, as shown in the drawing.

By the aid of this simple device cheap and weak brooms may be strengthened so as to outlast brooms of a high cost.

The band E as it encircles the head prevents the same from spreading or being bent or swayed to one side, and thus causes it to wear out evenly. As the head wears the band may be adjusted upon it by loosening and drawing up the clamp B, which may then be fastened securely in position by means of the screw *b*. The supporting-rods D are intended to be of sufficient thickness to sustain the head and prevent it from being broken or bent above the band.

What I claim as my invention is—

The combination, with the clamp B, of the supporting-rods D D and the expanding and contracting bands E E', substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of June, 1873.

JOHN J. COBURN.

Witnesses:

JAMES P. PETIT,

M. DANL. CONNOLLY.