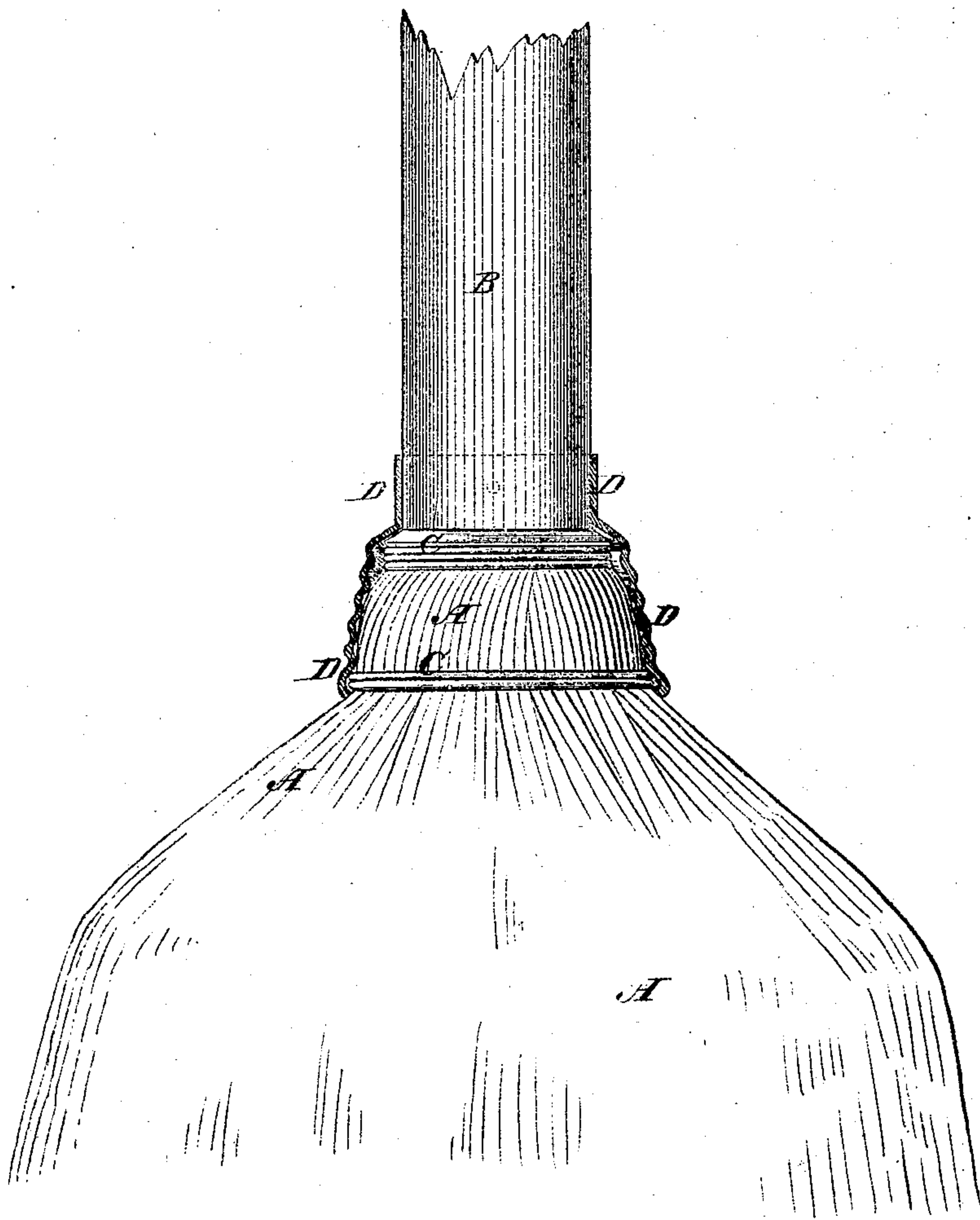


HENRY A. LEE.

Improvement in Flanged Collar for Brooms.

No. 119,775.

Patented Oct. 10, 1871.



Scale Natural size.

Witnesses:

Kustavi Dietrich.
Francis H. Child.

Inventor:

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PER

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Reissued Jan'y. 9th 1872.

119,775

UNITED STATES PATENT OFFICE.

HENRY A. LEE, OF NEW YORK, N. Y.

IMPROVEMENT IN FLANGED COLLARS FOR BROOMS.

Specification forming part of Letters Patent No. 119,775, dated October 10, 1871.

To all whom it may concern:

Be it known that I, HENRY A. LEE, of the city, county, and State of New York, have invented a new and useful Improvement in Cap or Flanged Collar for Brooms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

The figure is a sectional view of my improved cap or collar shown as attached to a broom.

My invention pertains to an improvement in metal caps for covering the butts of the corn attached to the broom-handle by wire in the ordinary manner; and it consists mainly in forming the cap with corrugations, which enable it to compress or bind the corn somewhat, but to perform the more important functions of holding the lower wire in place, as hereinafter described.

A represents the brush or corn of the broom, which is secured to the handle B by wire C in the ordinary manner. D is the cap or flanged collar, which is struck or spun up out of sheet metal, and the lower part of which is made of such a size as to slip upon the butts of the corn A. The upper part of the cap is made of such a size as to fit upon the handle B. The shoulder between the two parts of the cap or collar D rests against the ends of the butts of the corn and thus prevents the wire C from slipping off

when the corn dries and shrinks. The extreme ends of the corn-butts are beveled off, as shown, and the cap fits neatly against them, so as to keep the wire C from slipping off. The cap D is corrugated, partly for the purpose of increasing its strength without necessity of making it thick, and thereby adding to its cost and weight; but especially or mainly to enable it to bind or compress the corn-butts between the wires and to hold the lower wire C down to its place. It will be seen that the corrugations enable the cap to spring or give somewhat, so that it may be applied to brooms whose corn-butts vary in size and shape. The lower corrugation rests against the lower wire C and prevents its sliding upward over the corn-butts, while the extreme lower edge of the cap rests on the corn itself, so that when fastened to the handle B by screws or tacks it holds the whole number of butts firmly in place.

While I do not claim a cap or flange applied to a broom for covering the butts of corn—

I do claim as new and of my invention—

As a new article of manufacture, the cap D, corrugated, as shown, and applied to the brush A and wires C C, as and for the purpose specified.

HENRY A. LEE.

Witnesses:

JAMES T. GRAHAM,
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(22)