

G. H. PIERCE.

Improvement in Detachable-Brooms.

No. 130,594.

Patented Aug. 20, 1872.

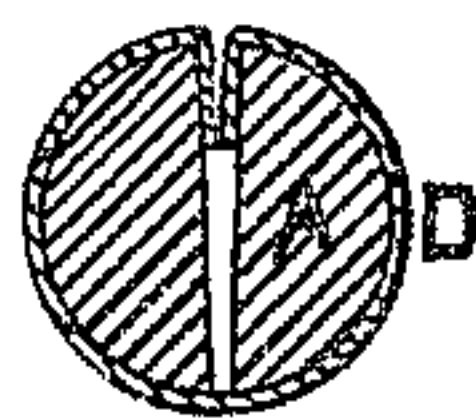
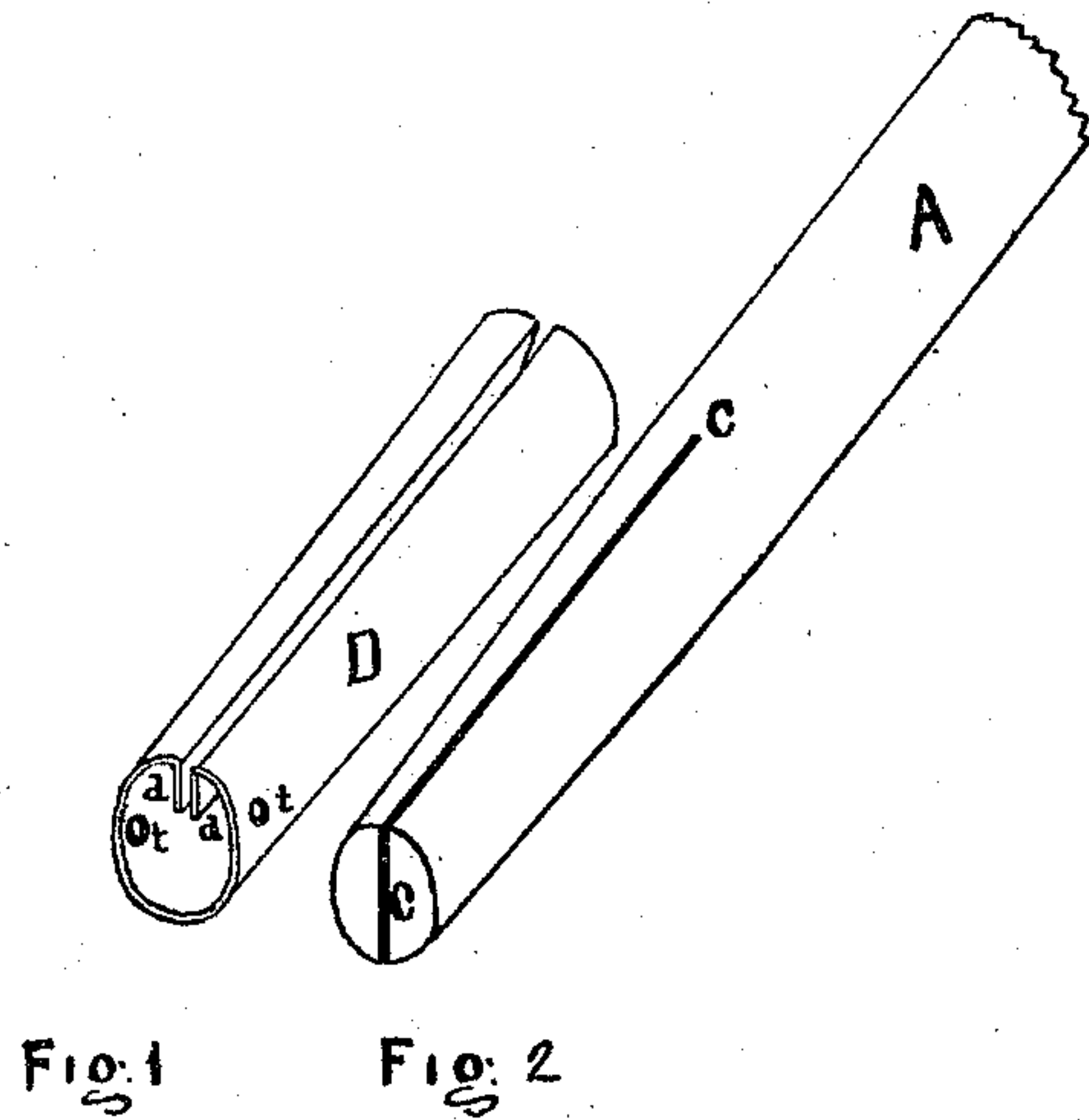


Fig. 3

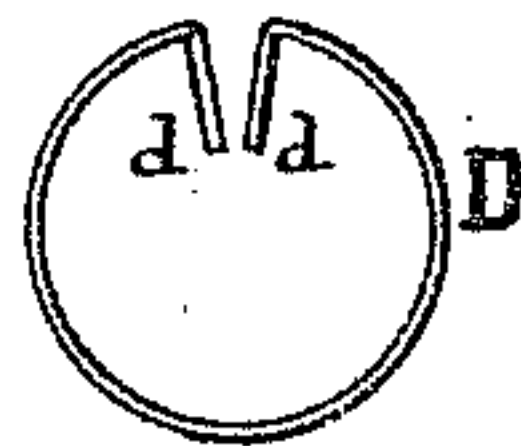


Fig. 4.

WITNESSES

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GEORGE H. PIERCE, OF RICHMOND, CANADA.

IMPROVEMENT IN DETACHABLE BROOMS.

Specification forming part of Letters Patent No. 130,594, dated August 20, 1872.

To all whom it may concern:

I, GEORGE H. PIERCE, of Richmond, in the county of Richmond, Province of Quebec, Dominion of Canada, have invented a certain new and useful Method of Constructing Detachable Brooms of which the following is a specification:

The Nature of the Invention.

The nature of my invention consists in the use of a ferrule of peculiar construction in connection with a kerfed-end broom-handle, for the purpose of attaching the broom proper to the handle; the broom being formed upon the ferrule. The ferrule being formed of a band, the abutting ends of which are bent inward, makes of itself a kind of clamp or friction-band, which causes it to adhere very firmly to the handle.

Description of the Accompanying Drawing.

Figure 1 is a perspective view of the ferrule. Fig. 2 is a perspective view of the end of the broom-handle. Fig. 3 is a cross-section of the handle and ferrule. Fig. 4 is a cross-section of the ferrule.

General Description.

Let A represent the handle of a broom made in the usual manner, except that its end is slightly coned, and is split up by a saw-kerf, *c c*, Fig. 2. D, Fig. 1, represents the ferrule

upon which the broom is formed in the usual manner, a stiff wire or peg being passed through the holes *t t* to take the place of the ordinary peg used in brooms. The ferrule is made somewhat larger than the part of the handle to which it is to be attached, and is formed of a sheet of metal with inwardly-projecting ends *d d*. The ferrule, when not on the handle, springs open, as shown in Fig. 4; but when the ferrule is placed on the handle, the projections *d d* project into the kerf *c c*, so as to draw the band forming the ferrule together, and thus making it adhere to the handle. As the projecting parts *d d* advance into the kerf it is closed up by the action of the ferrule on the coned part; thus the ferrule is also held by this action.

By my device the parts—that is, the brooms proper and the handles—may be transported in different packages, thus lessening the space occupied by the whole, and hence saving freight.

I claim as my invention—

A broom, when constructed with a kerfed handle, A, and a ferrule, D, made as described, and serving to hold the broom proper to the handle, substantially as and for the purpose set forth.

GEORGE H. PIERCE.

Witnesses:

FRANK G. PARKER,
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