

(No Model.)

D. B. GAFFNEY.

BROOM.

No. 260,969.

Patented July 11, 1882.

Fig. 1.

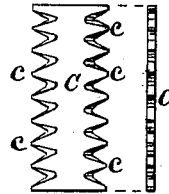
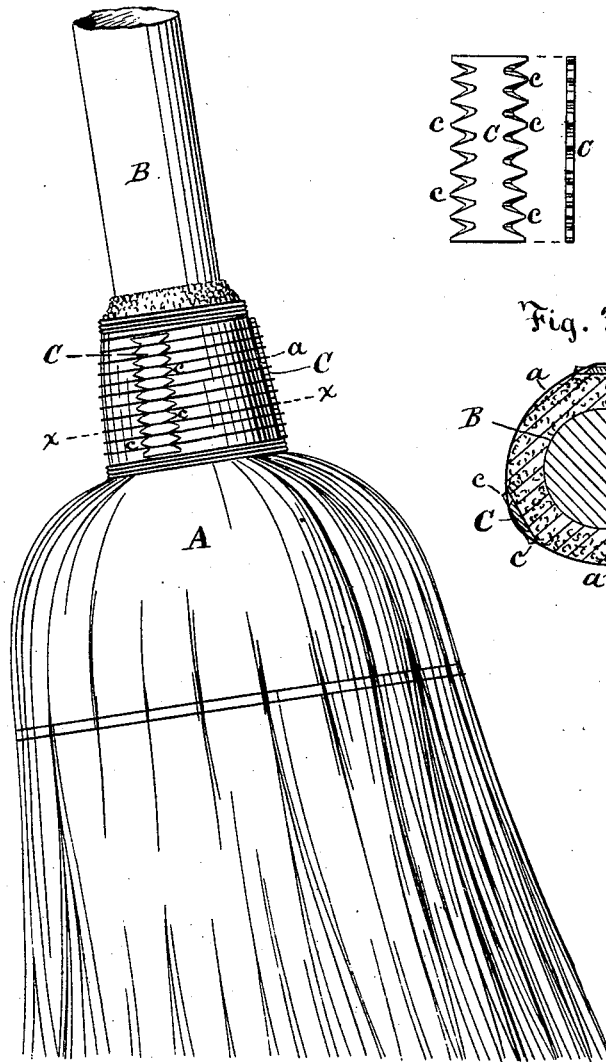
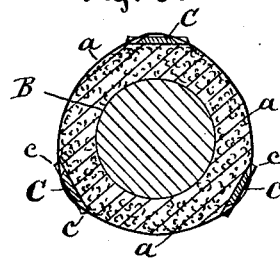


Fig. 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

DENNIS B. GAFFNEY, OF UTICA, NEW YORK.

BROOM.

SPECIFICATION forming part of Letters Patent No. 260,969, dated July 11, 1882.

Application filed May 8, 1882. (No model.)

To all whom it may concern:

Be it known that I, DENNIS B. GAFFNEY, a citizen of the United States of America, residing at Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Brooms and Brushes, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to brooms and brushes; and it consists in a certain improvement in the construction of the braces used in connection with the wire with which the brush material forming the broom-head is bound to the stock or handle.

In the accompanying drawings, Figure 1 represents a broom provided with my improvement. Fig. 2 represents in front and edge views one of the improved braces detached. Fig. 3 is a transverse section on line *x x* in Fig. 1.

In the drawings, A designates the broom-head, and B the stock or handle.

C indicates the braces placed at that part where the broom-head is bound to the stock. Each of these braces is a small plate of metal, C, having teeth *c* along both of its edges, the said teeth projecting sidewise. The notches thus formed by and between the teeth are intended as rests for the wire *a* or cord with which the broom is bound. There being two rows of notches in which the wire rests when it is wound onto the broom and across the

plate, the brace forms a double fastening, the wire sinking in two opposite notches below the surface of the plate. To form the teeth properly to retain the wire, the brace is made wider and thicker than those in common use; but it is consequently firmer, more efficient, less liable to be bent, and fewer braces are required for the purpose, as three of these braces are amply sufficient for each broom. The brace is also more readily handled and requires less time to adjust it in place. The teeth *c* serve effectually as wire-guides, the wire striking between the points as the broom revolves in the machine, and being forced directly to the center of each notch.

The improved brace, though substantial, may be manufactured at small cost, it being usually constructed of band-iron and cut out by press or rollers.

I claim—

1. In a broom, a brace, C, having teeth *c* projecting from each of its edges, substantially as and for the purpose described.

2. In a broom, a brace, C, having teeth along its edges, forming notches, as shown, in combination with the wire *a*, as herein set forth.

In testimony whereof I have affixed my signature in presence of two witnesses.

DENNIS B. GAFFNEY. [L. S.]

Witnesses:

D. R. ROBBIN,
A. G. SPENCER.