C. U. Fiester.

Broom Head.

No. 51,819. Patented Jan. 2, 1866.

Fig. 1.

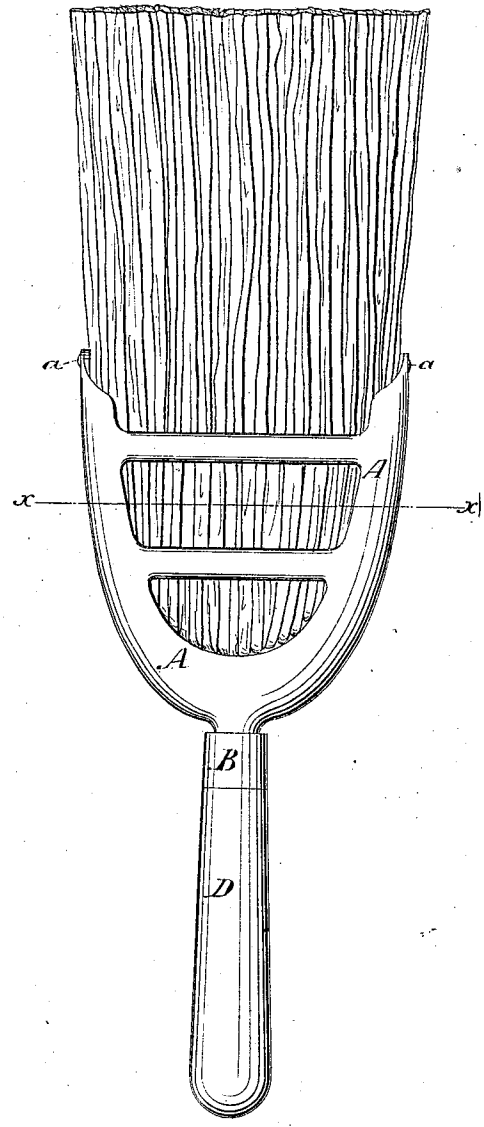
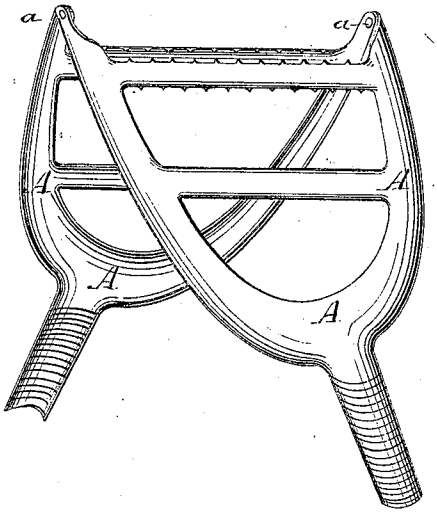


Fig. 3.



Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN U. FIESTER, OF WINCHESTER, OHIO.

BROOM-HEAD.

Specification forming part of Letters Patent No. **51,819**, dated January 2, 1866.

To all whom it may concern:

Be it known that I, JOHN U. FIESTER, of Winchester, Guernsey county, in the State of Ohio, have invented certain new and useful Improvements in Metallic Broom-Heads; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference thereon marked.

In the drawings, Figure 1 represents the broom as complete and ready for use. Fig. 2 is a perspective view, showing the metallic clamp or broom-head. Fig. 3 shows the metallic spike-bar C.

In the drawings, A represents the metallic clamp, which is made of two similar halves pivoted at *a*, so as to open for the reception of the brush or splints which form the broom. Each half or plate A is made concave, and is curved at the upper and smaller end, so as to receive the brush and give the proper finish to the broom. The upper end of each of these clamps A is provided with a half-screw, so that when the two halves are pressed together the contracted upper end shall form a hollow male screw to fit into the female screw B upon the handle D.

C is a short bar or strip of metal, equal to the inner width of the clamps A and provided with a number of short sharp points or spikes, *c*, upon its opposite sides to retain the brush in place. The lower cross-bar of the clamps is also provided with points or serrated edges.

In operating my improved broom-head I take a sufficient quantity of broom-straw, splints, or other suitable material, and give it the general shape of the broom. I then divide it in the direction of its breadth and insert the spike-bar C, as indicated by the red line *x x*. The brush is then put into the opened clamps A. The clamps are then forced together, and the female screw B of the handle D is screwed down, so as to firmly secure the clamps A. The spike-bar C is intended to come between the two cross-bars of the clamp, as shown by the red line, so that the points *c* shall be forced into the brush, which will be thereby swollen out between the cross-bars and be kept firm and tight in the clamps.

Any ordinary broom-handle can be fitted into the clamp A.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The spike-bar C, constructed and operating substantially as described, in combination with the clamp A, for the purposes specified.

In testimony that I claim the above I hereunto set my hand this 6th day of September, 1865.

JOHN U. FIESTER.

In presence of—
SIMEON BROWN,
JAMES MCCORMICK.