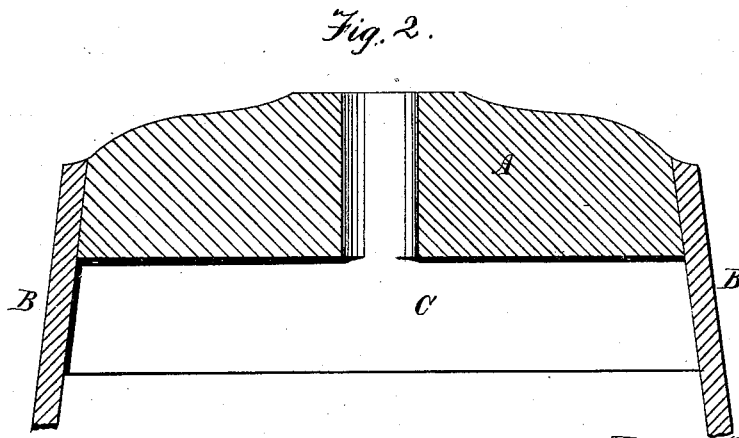
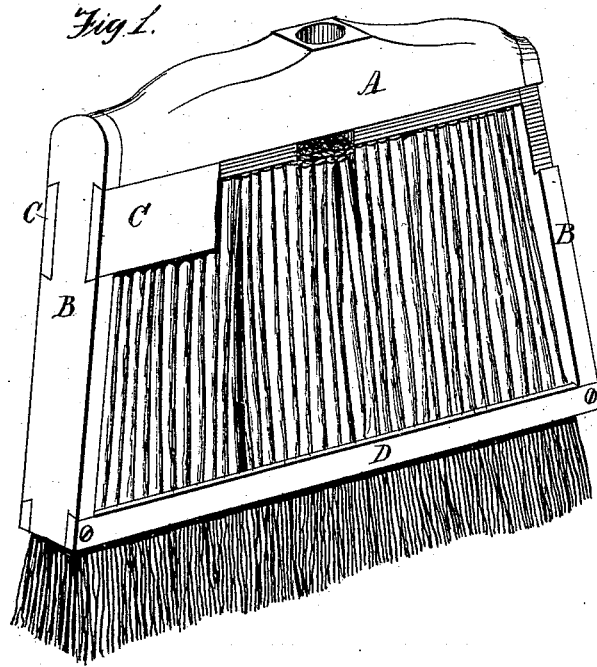


T. R. EVANS.
BROOMS.

No. 187,368.

Patented Feb. 13, 1877.



Witnesses:

Grenville Lewis

M. Church

Inventor
Thomas R. Evans
By Hill, Ellsworth & Spear
His Atty.

UNITED STATES PATENT OFFICE.

THOMAS R. EVANS, OF BANGS, VIRGINIA.

IMPROVEMENT IN BROOMS.

Specification forming part of Letters Patent No. 187,368, dated February 13, 1877; application filed January 15, 1877.

To all whom it may concern:

Be it known that I, THOMAS R. EVANS, of Bangs, in the county of Montgomery and State of Virginia, have invented a new and useful Improvement in Broom-Heads; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of the improved head, and Fig. 2 is a longitudinal vertical section of the same.

Similar letters of reference in the accompanying drawings denote the same parts.

My present invention is an improvement upon the broom-head patented to me December 5, 1871, No. 121,501; and it consists in the improved construction of the various parts, as hereinafter fully set forth, whereby increased strength, combined with lightness, is obtained, and also a saving in the cost of manufacture. The general form of the head is the same as that shown in my patent referred to.

The top, or that portion adapted to receive the handle, is formed from a single block of light, strong wood, marked A in the drawing, and to this block the end pieces B B are securely attached by means of screws, nails, rivets, or other suitable fastenings. C C are side pieces, dovetailed into the block A A and end pieces B B, and serving to bind these parts securely together. The top piece A A may be, if desired, made deep enough to form the side pieces C C, by sawing and cutting out to the depth required to hold in the butts of the corn. D D are bands, straps, or cross-

pieces, also dovetailed into the lower end of the pieces B B, which still further assists in binding the parts together and firmly holding the corn in its position. Both of the bands D D are fastened to ends of the side pieces C C by nails, screws, or rivets. The corn is inserted between the bands D D, one piece or bunch at a time, and the butts of the corn forced up against the block marked A A. Owing to the increased thickness of the head above the mouth the corn expands after passing the bands D D, thereby securely holding it within the head sufficiently tight for all practical purposes.

If the straw becomes loose from any cause it can be tightened by inserting single bunches at the sides. When the straw becomes worn out it can be easily removed and its place supplied with fresh straw.

The bands D D are strengthened by fastenings or rivets in the middle, to keep them from expanding and loosening the corn.

The end pieces C may be dovetailed into the block A, if preferred, and both the end pieces and the straps D D may be of metal.

I claim as my invention—

The broom-head herein described, consisting of the block A, formed of a single piece of wood, and perforated to receive the handle, the end pieces B B, the dovetailed side pieces C C, and the straps D D, one or both of which may be removable, all combined in the manner and for the purpose set forth.

THOMAS R. EVANS.

Witnesses:

D. T. STEPHENS,
J. R. C. STEPHENS.