

J. H. Anderson,

Broom.

No. 113,000,

Patented Mar. 21. 1871.

FIG. 2.

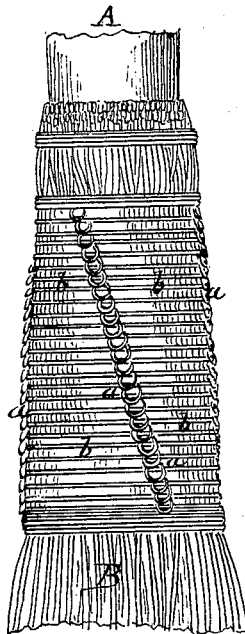
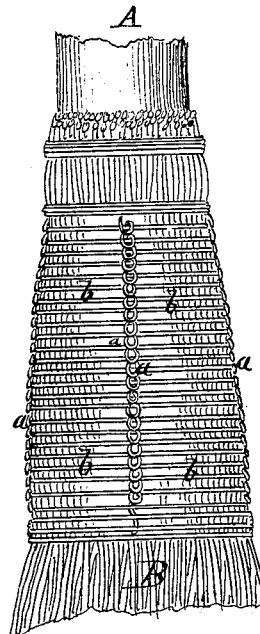


FIG. 1.



James H. Anderson
By
Goodwin Leland Towle
His attorney in fact.

Witnesses:

Charles H. Offield
John H. Whipple

James H. Anderson INVENTOR.

United States Patent Office.

JAMES H. ANDERSON, OF TERRE HAUTE, INDIANA, ASSIGNOR TO THOMAS MARSTON, JR., WALTER L. PECK, AND CLARENCE I. PECK, OF CHICAGO, ILLINOIS.

Letters Patent No. 113,000, dated March 21, 1871; antedated February 14, 1871.

IMPROVEMENT IN TYING BROOMS AND BRUSHES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES H. ANDERSON, of the town of Terre Haute, Vigo county, and State of Indiana, have invented certain new and useful Improvements in the Tying of Brooms, Brushes, or Whisks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing.

This invention is an improvement upon my invention contained in Letters Patent granted to me August 2, 1870, and consists in a new method for arranging and securing down the metallic braces, described, by pressure or percussion, so as to thoroughly fasten the cross-wires binding the corn to the handle, and thus rendering them immovable.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will proceed to describe the construction and operation of my improvement, referring to the annexed drawing, in which—

Figures 1 and 2 represent a side view of a broom-handle with my metallic braces attached.

A represents a portion of the handle, around which the broom-straw B is laid in the usual manner.

On the outside of the straw are placed, in a position (in one form of my invention) lengthwise with the broom-handle, at about equal distances apart, two, three, four, or more spirally-formed wires, *a a*, (the same being also shown in my said former patent;) or any equivalent metallic braces with upright projections may be used, the said spiral wires or projections being secured down by pressure or percussion to such an angle to the plane of the broom-handle as to receive and hold smoothly the cross or transverse wires passing around the straw and handle, so as to fasten thoroughly the said cross-wires and bind the corn to the handle.

b b b b are cross-wires, with which brooms are usually bound.

These cross-wires are wound around the straw in such a manner that such cross-wires shall come successively between the loops or projections in the metallic braces *a a*, which latter, being secured down by pressure or percussion to a proper position, as before

described, will furnish a further preventive to the slipping of said cross-wires, and a valuable aid to keep them in place.

Corrugated strips of sheet metal have been used as braces for the same purpose, as stated in my former patent.

The binding-wire is always more or less liable to slip over such corrugations, and, as I have found, will sometimes show a tendency to slip even over the spiral wire-loops, described in my said patent, standing straight, produced by shrinkage or seasoning, and to furnish a remedy for this tendency is the object of this improvement.

In order to facilitate this operation and render the binding more perfectly secure, and stronger, instead of placing the said wire or metallic braces *a a*, above described, lengthwise of the broom-handle, I vary it by sometimes arranging them in a winding or corkscrew form, as shown in fig 2 of the drawing, the construction being in all other respects similar to that above described.

What I claim, and desire to secure by Letters Patent, is—

1. The improvement in tying brooms, brushes, or whisks, herein described, with two or more wire or metallic braces, with projections secured down by pressure or percussion to such an angle to the plane of the broom-handle as to thoroughly fasten the cross-wires binding the corn or other material to the handle.

2. The arranging the said wire, or other metallic braces with projections, so secured down by pressure or percussion, as described, upon the corn, or other material, on the handle in a winding or corkscrew form, substantially as set forth.

3. The broom, brush, or whisk, herein described; with two or more wire or metallic braces, with projections secured down by pressure or percussion to such an angle to the plane of the handle as to fasten the cross-wires binding the corn or other material, whether said braces are applied vertically or in a winding or corkscrew form, as an article of manufacture.

Witnesses: JAMES H. ANDERSON.

JAMES D. FOX,
WM. SHEPARDSON.