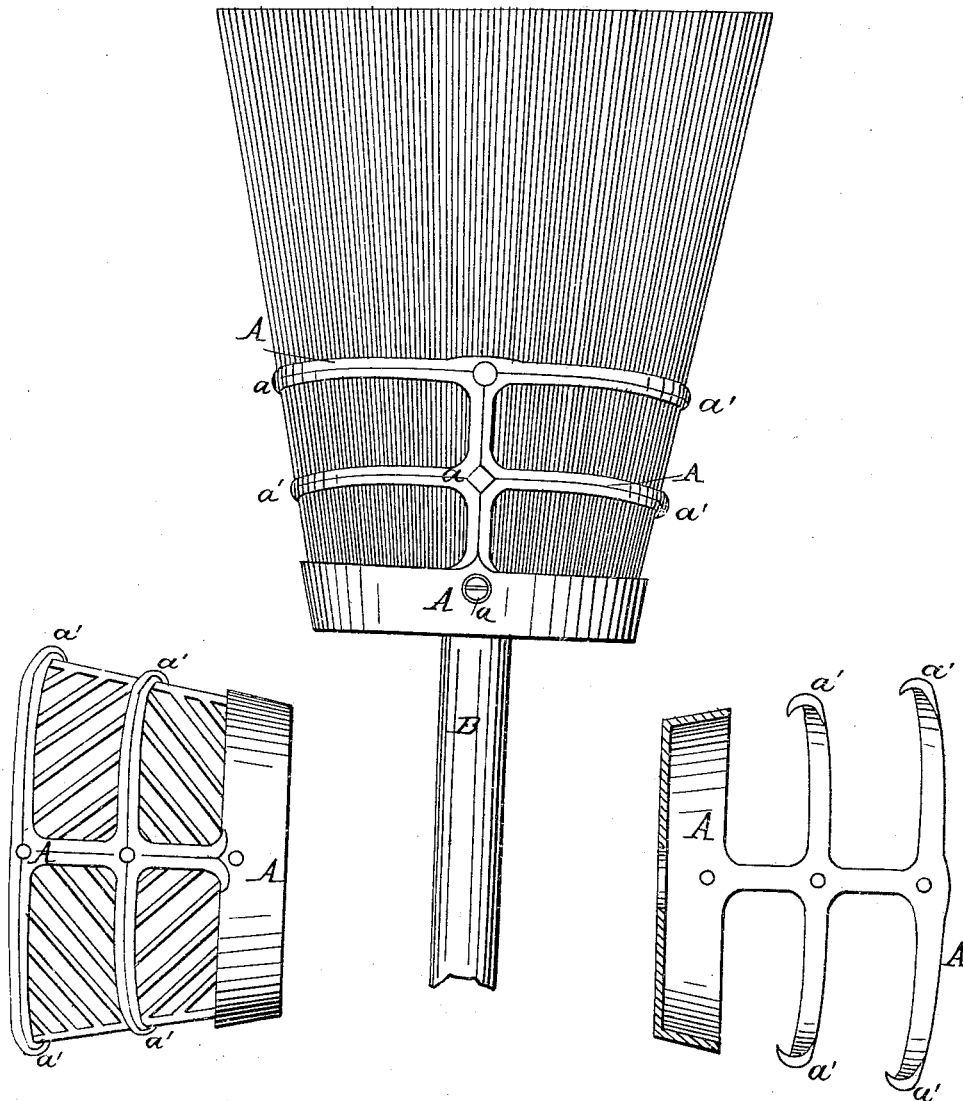


G. W. HOFFMAN.

Broom Clamp.

No. 51,318.

Patented Dec. 5, 1865.



Witnesses
S. T. Jahnestock
Theodore Lang

Inventor
Geo. W. Hoffman

UNITED STATES PATENT OFFICE.

GEO. W. HOFFMAN, OF HARRISBURG, PENNSYLVANIA.

BROOM-HEAD.

Specification forming part of Letters Patent No. 51,318, dated December 5, 1865.

To all whom it may concern:

Be it known that I, GEORGE W. HOFFMAN, of the city of Harrisburg, county of Dauphin, in the State of Pennsylvania, have invented a new and Improved mode of Making Brooms; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing a simple, durable, and economical clamp, which is to hold the broom-corn, and through which the handle passes, and by which any one having the material can readily make a broom, thus promoting convenience, &c.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A A represent two symmetrical metallic halves, constituting the clamp, which embraces the upper part of the broom and lower part of the handle. Bolts *a a* pass through these, as also the handle. These have suitable heads on one end and nuts on the other, and by means of these latter the two halves or compressing-pieces, A, are drawn together. After these pieces A A are secured to the handle B by means of the bolts passing through it the space between them is well filled up with broom-corn properly prepared as to length, &c.; then, by means of the nuts, said pieces A (which were permitted to stand as far apart as possible) are drawn together as far as necessary or as the corn will permit.

The ends of the fingers or arms *a' a'* are curved, and also beveled, so as to make a neat fit when drawn together. The number of these fingers may be varied at pleasure, and the spaces between them ornamented. Such, however, would add to weight and cost without promoting durability.

The effect of screwing up the bolts is to compress or tighten the corn between the clamps, spread or flatten it out; but the curved ends of the fingers *a* have a tendency to counteract the spreading, and jam the corn to some extent in an opposite direction. This is a peculiar feature of my invention, to say nothing further of its simplicity, of the facility of manufacture, its cheapness, no liability of any derangement, and the ability of any one to make a broom having the clamp and other necessary parts. No hinges or other weak parts endanger the durability of my clamp or add to its complication and cost.

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

The clamp A A, composed of two symmetrical halves having clasping fingers, *a' a'*, constructed and operated substantially as described, for the purpose set forth.

GEO. W. HOFFMAN.

Witnesses:

S. S. FAHNESTOCK,
EDM. F. BROWN.