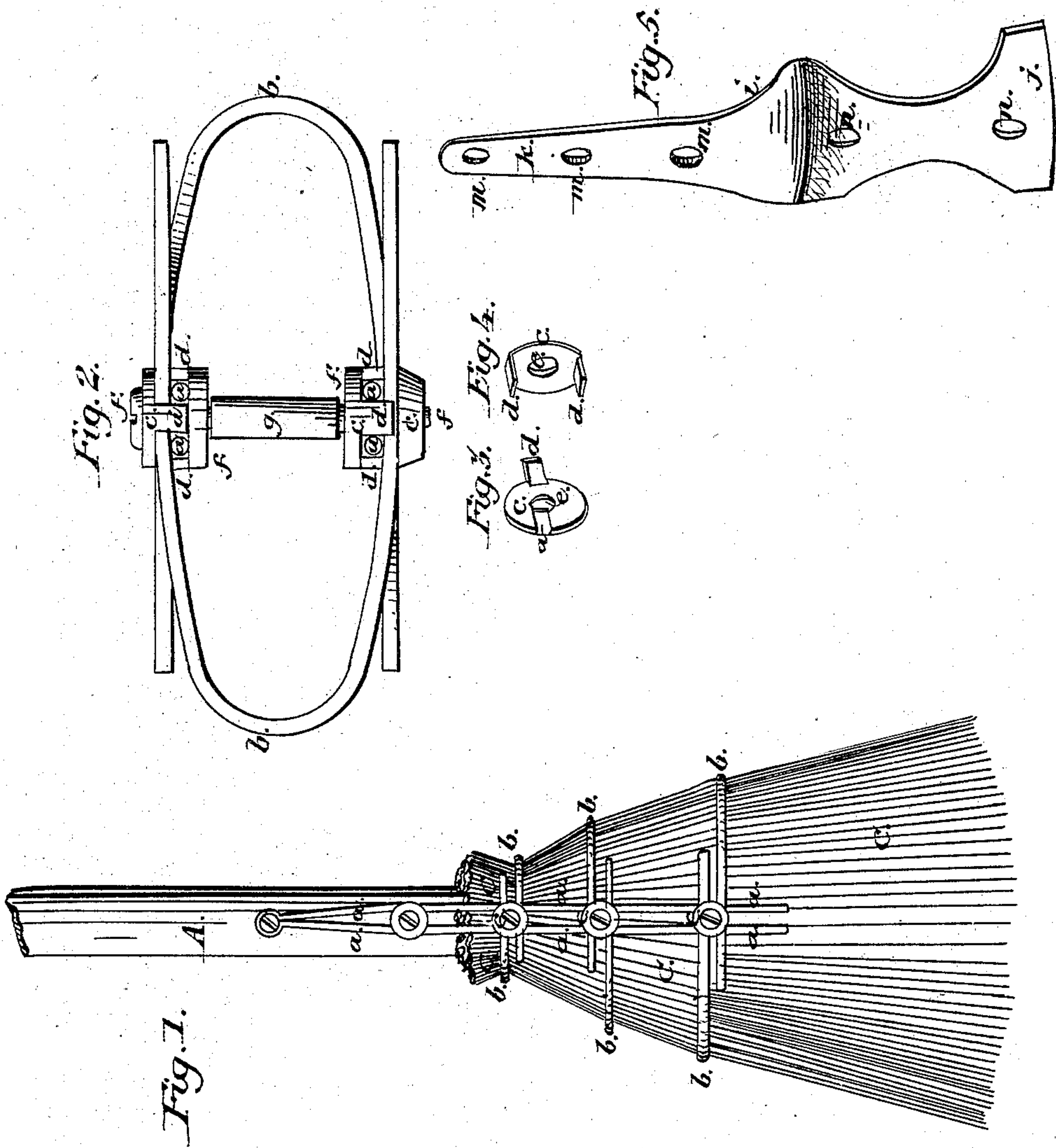


Nobles & Holcomb

Broom Head.

N<sup>o</sup> 67,793.

Patented Aug. 13, 1867.



WITNESSES:

*J. P. Patten*  
Thos. J. Chubb, Clerk

INVENTOR:

Nobles & Holcomb  
Atty. Stoughton  
by attys

# United States Patent Office.

MILTON V. NOBLES, OF ELMIRA, NEW YORK, AND JUDSON HOLCOMB, OF TOWANDA, PENNSYLVANIA, ASSIGNORS TO THEMSELVES AND JOHN C. NOBLES, OF RUSHFORD, NEW YORK

*Letters Patent No. 67,793, dated August 13, 1867.*

## IMPROVED BROOM-HEAD.

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

### TO ALL WHOM IT MAY CONCERN:

Be it known that we, MILTON V. NOBLES, of Elmira, in the county of Chemung, and State of New York, and JUDSON HOLCOMB, of Towanda, in the county of Bradford, and State of Pennsylvania, have invented certain new and useful improvements in Broom-Heads; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a view of a broom made up complete out of one of our broom-heads.

Figure 2 represents one of the bands and clamps detached from the broom.

Figures 3 and 4 represent the two parts that constitute the clamp when put together and held by the screw.

Figure 5 represents a plate that may be used instead of the longitudinal wires.

Similar letters of reference where they occur in the separate figures denote like parts of the contrivance in all the drawings.

Our invention consists in the manner of clamping the broom-corn or other material of which the broom is made, and securing it to handle as will be explained, by means of wires or their equivalents, which are readily and cheaply applied, and easily removed and replaced when a new broom is to be made.

To enable others skilled in the art to make and use our invention, we will proceed to describe the same with reference to the drawings.

On opposite sides of the broom-handle *A* are secured by screws or otherwise the wire straps *a a*, which project thence down to or near to the centre of the broom. The broom-corn or other material *C*, of which the broom is to be made, is properly disposed around the handle *A*, the clamps or bands *b b b* are put around the broom material, and by means of clamping-buttons *c c*, which have projections *d d* upon them, and screw-holes *e e* through their heads, and a screw, *f*, with a sleeve, *g*, on it between the buttons *c*, these bands, which are in two parts, are secured, and may be adjusted at pleasure. These buttons *c c*, as shown in fig. 2, also embrace the longitudinal wires *a a*, so that wherever the wires come together they are rigidly clamped by the screws *f*, and may be at any time disconnected by loosening up the screws. This makes a very strong and light broom-head, the wire and screws being found ready-made in market, and the buttons *c* would be the only things to be specially made, and they can be cast or struck up at very little expense. Instead of the longitudinal wires *a a*, plates may be used like that shown at *i*, fig. 5, in which the part *j* serves to embrace the handle like a socket, and the part *k* extends down along the broom, and is furnished with screw-holes *m m m*, to receive the screws *f*, the other screw-holes, *n n*, serving to screw the plates to the broom-handle. The wire bands or clamps would be used with the plates the same way that they are used in fig. 1 with the wire straps. If the broom material at any time becomes loose, the screws are first loosened up, the bows or half clamps pushed up, and the screws again run down, and the whole is tight, compact, and firm.

Having thus fully described our invention, what we claim therein as new, and desire to secure by Letters Patent, is—

A broom-head composed of the straps or plates, and the divided bands, the whole held together by means of the clamping-buttons and screws, and adjustable as well as removable and replaceable, substantially as herein described and represented.

M. V. NOBLES,  
JUDSON HOLCOMB.

Witnesses:

A. B. STOUGHTON,  
EDM. F. BROWN.