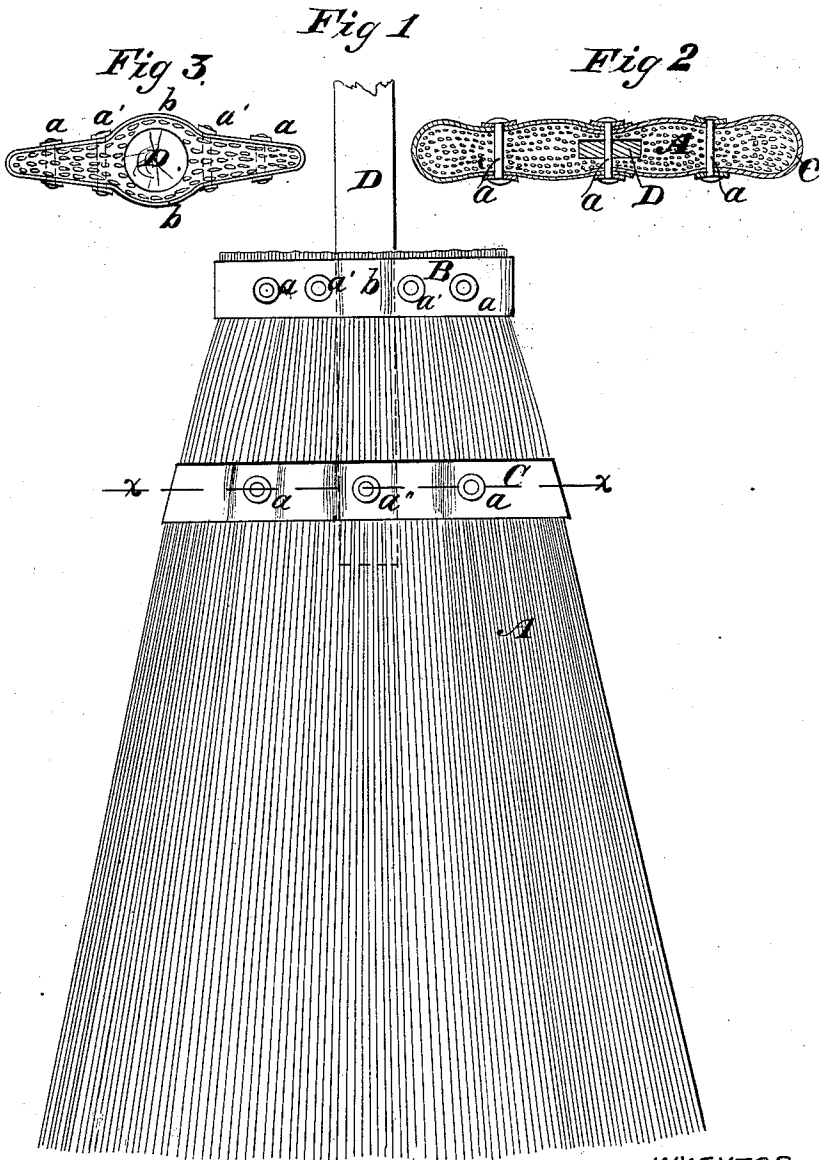


S. M. Sherman,

Broom,

N^o 33,010.

Patented Aug-6, 1861.



WITNESSES:

Jew Coombs
H. Tusch

INVENTOR:

S. M. Sherman
per Munn & Co
Attorneys.

UNITED STATES PATENT OFFICE.

S. M. SHERMAN, OF FORT DODGE, IOWA.

BROOM.

Specification of Letters Patent No. 33,010, dated August 6, 1861.

To all whom it may concern:

Be it known that I, S. M. SHERMAN, of Fort Dodge, in the county of Webster and State of Iowa, have invented a new and useful Improvement in the Construction of Brooms; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is an external view of my invention. Fig. 2, a section of ditto, taken in the line *x, x*, Fig. 1. Fig. 3, a plan or top view of ditto.

Similar letters of reference indicate corresponding parts in the three figures.

The object of this invention is to obtain a stronger and more durable mode of securing the broom-corn together in proper form and also of securing the same to the handle. The great difficulty hitherto experienced in constructing durable brooms has been the binding of the corn. Wire and twine have been chiefly used for this purpose and reliance has been chiefly placed on the secure attachment of the broom-corn to the handle in order to strengthen the broom and in the event of the handle working loose in the broom-corn, a contingency of very frequent occurrence, the broom falls to pieces.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, represents the broom-corn which is adjusted or disposed in flat form, as brooms are now commonly made, the broom-corn gradually increasing in width from its upper to its lower end, as shown clearly in Fig. 1. The broom-corn is firmly clamped at its upper part by means of metal bands or hoops B, C, through which and the broom-corn rivets *a*, pass. These bands or hoops B, C, by means of the rivets *a*, firmly compress the upper part of the broom-corn and secure the same in proper shape, serving in fact as clamps.

The hoops B, C, are of sheet-metal, tinned iron, will answer for ordinary purposes and brass might be used for the expensive kind of brooms. The upper hoop or band B, is formed with a swell or protuberance *b*, at each side in order to admit of the handle D, passing through it into the top or upper part of the broom-corn and these swells or protuberances serve as a socket for the handle and prevent any lateral working thereof. In order to preserve this socket in proper form or to keep it snugly adjusted to the handle a rivet *a'*, passes through the band or hoop B, at each side of the handle as shown in Fig. 1.

The handle D, extends down within the broom-corn and is chamfered off, so as to be of rectangular form in its transverse section, see Fig. 2, and through this portion a rivet *a''*, passes, said rivet preventing the casual slipping out of the handle.

By this construction a very strong and durable broom is obtained, the parts being all held firmly together until the broom is entirely worn out. If the handle should become casually detached the broom-corn would still be firmly held together by the bands or hoops B, C, and not as with the usual wire or twine binding fall to pieces and be utterly destroyed.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

As an improved article of manufacture a broom provided with an upper riveted band B, having socket protuberances *b*, to receive and hold the handle, and a lower riveted band C, attached both to the body of the broom and to the handle, all as shown and described.

S. M. SHERMAN.

Witnesses:

HENRY W. MERRITT,
A. K. WELLES.