

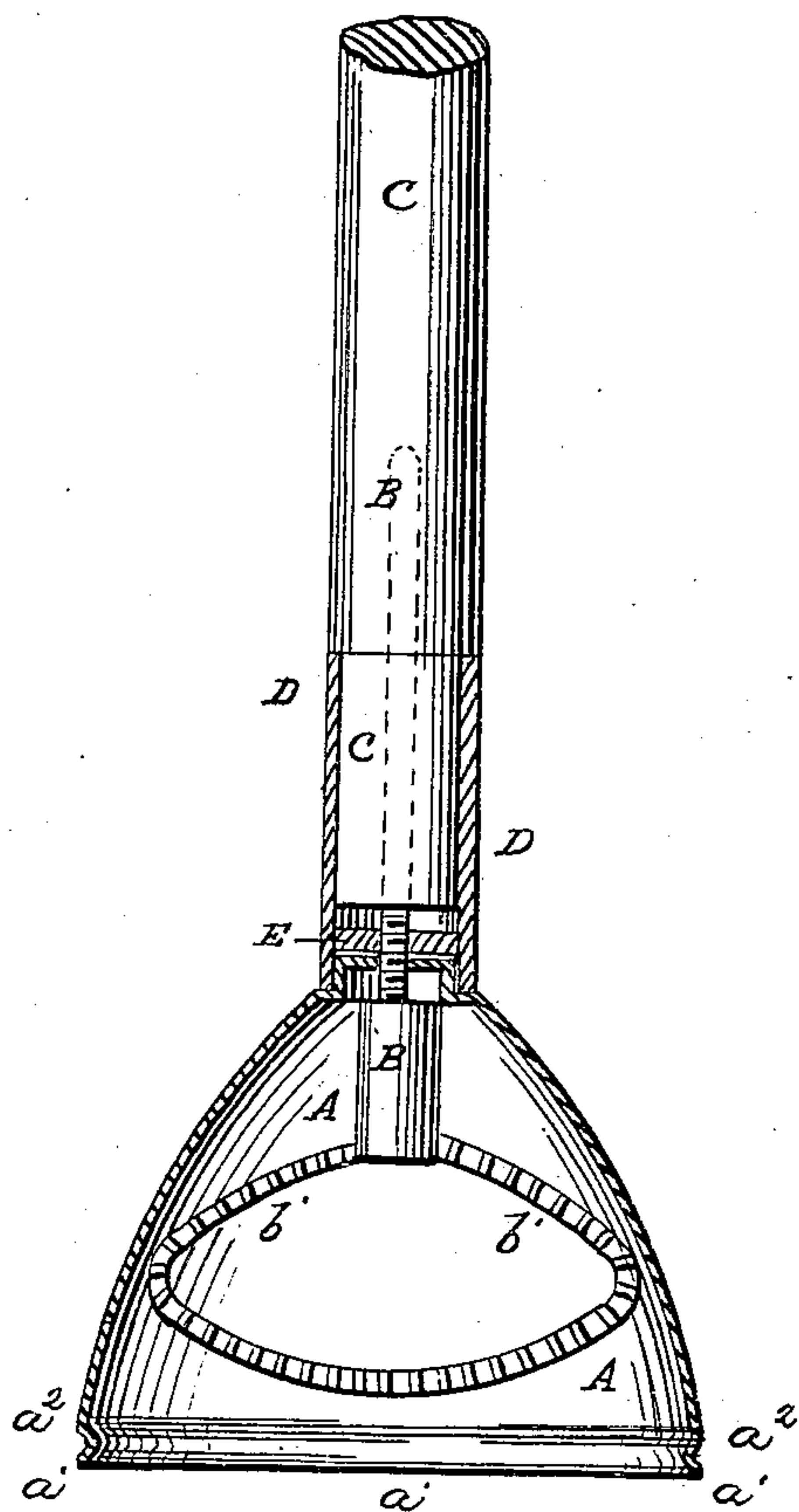
E. M. BAYNE.

Broom Head.

No. 59,343.

Patented Nov. 6, 1866.

FIG. 2.



WITNESSES:

*B. H. Huntington*  
 *Jas A. Service*

INVENTOR.

*E. M. Bayne*  
*Per M. M. C.*  
*Attys*

# UNITED STATES PATENT OFFICE.

E. M. BAYNE, OF UNIONTOWN, PENNSYLVANIA.

## IMPROVED BROOM-HEAD.

Specification forming part of Letters Patent No. **59,343**, dated November 6, 1866.

*To all whom it may concern:*

Be it known that I, E. M. BAYNE, of Uniontown, Fayette county, and State of Pennsylvania, have invented a new and useful Improvement in Broom-Heads; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a longitudinal section of a broom-head with my improvements attached.

My invention has for its object to improve the construction of Powers' broom-head, patented June 27, 1865; and it consists in brazing or otherwise securely attaching the nut to the ferrule through which the screw passes, and against which the lower end of the handle presses.

A is the conical cap of the broom-head, the lower edge,  $a^1$ , of which is flared outward, as shown in the drawing, so that it is impossible for the said lower edge,  $a^1$ , to cut or break the corn and thus destroy the broom. Around the lower edge of the broom-head, and just above the flared-out edge  $a^1$  of the cap A, is formed a deep groove,  $a^2$ ; by which construction a rounded shoulder or interior projecting ridge is presented to the corn, which, when the corn has been drawn into the cap, forms a groove in the corn, and prevents it from drawing out.

B is the screw, with its elliptical-toothed ring or head,  $b'$ , by means of which the corn is drawn into the cap and the broom-head attached to the handle. C is the handle, about the construction of which there is nothing new, except that the handle may be made egg-shaped or enlarged, if desired, just above the ferrule, so as to enable the screw to be made larger without weakening the handle. D is the ferrule, in the lower part of which there is firmly brazed, or otherwise securely attached, the nut E, into which the screw B passes, and which holds the broom-head firmly attached to the handle.

By this construction the handle is not weakened by being cut away to receive the nut, and the shoulder of the handle cannot be stripped by forcing the upper edge of the ferrule against it in drawing up the corn into the cap.

I claim as new and desire to secure by Letters Patent—

The combination, with the handle C, screw B, and cap A, of the ferrule D and nut E, when the said nut is firmly brazed or otherwise securely attached to the said ferrule, so as to be a solid part thereof, substantially as described, and for the purpose set forth.

E. M. BAYNE.

Witnesses:

SILAS M. BAILY,  
JOHN MCKEAN, Jr.