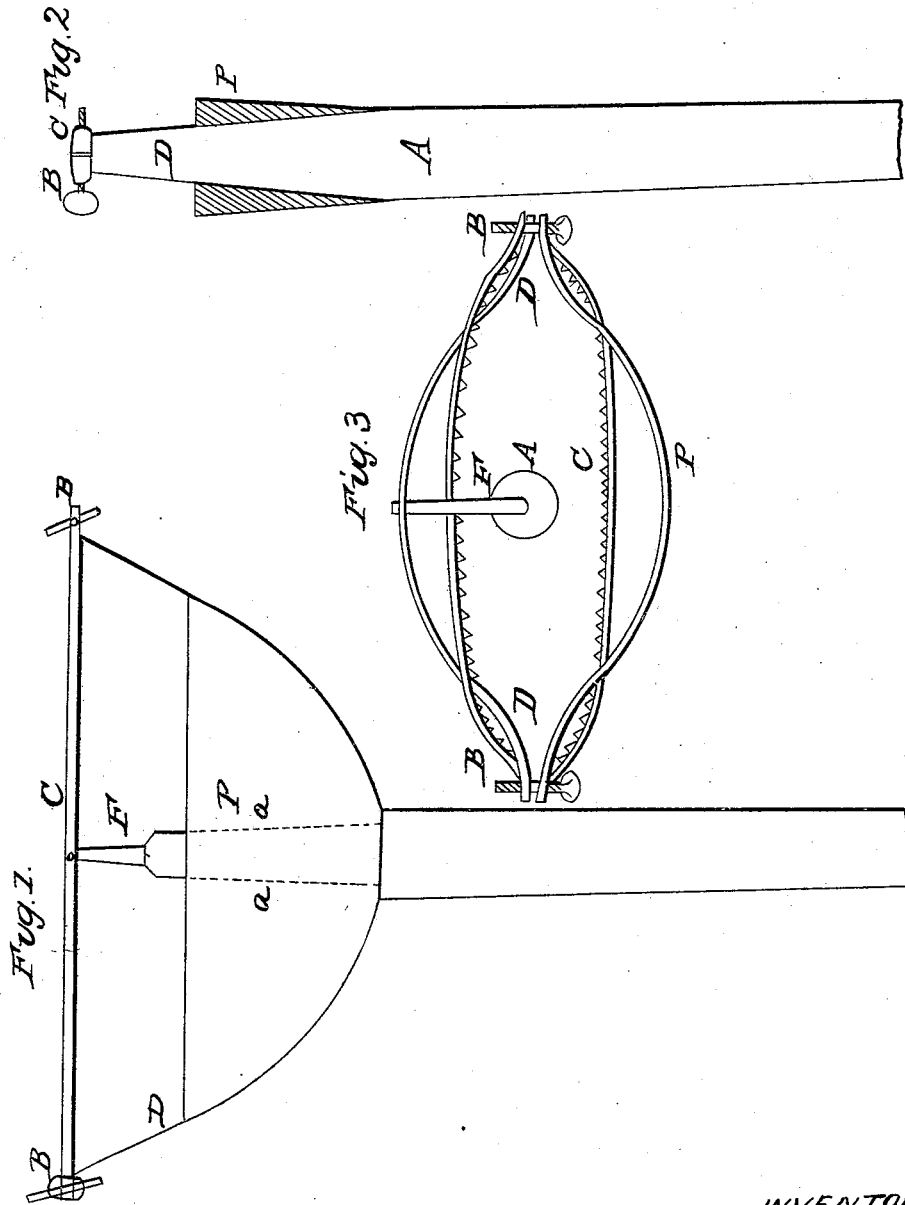


J. E. HUNTER.

Broom Head.

No. 53,624.

Patented April 3, 1866.



WITNESSES  
O. Y. Allen  
E. Gale

INVENTOR  
J. E. Hunter  
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# UNITED STATES PATENT OFFICE.

JOHN E. HUNTER, OF MECHANICSBURG, OHIO.

## BROOM-HEAD.

Specification forming part of Letters Patent No. 53,624, dated April 3, 1866.

*To all whom it may concern:*

Be it known that I, J. E. HUNTER, of Mechanicsburg, in the county of Champaign and State of Ohio, have invented certain new and useful Devices Applicable to the Manufacture of Domestic Brooms; and I hereby declare that the following is a full and sufficient description thereof, reference being had to the accompanying drawings and references thereon, which make part of this specification.

The nature of the invention consists in preparing a shell or case for receiving the ordinary broom corn of a broom, which is designed to be used until the broom is worn out, and when so worn the broom-corn may be renewed and the owner will have a new broom, and he may adapt the old stock to a new brush as often as desired.

In the accompanying drawings let A P C represent the frame-work of a broom, with its handle A, with its receptacle P for holding the upper end or the butts of the broom-corn, while C represents the ring, jaw, or clasp part of the frame-work.

Fig. I represents an elevation of the broom resting on its handle end. Fig. II represents an edge view, the same being an elevation. Fig. III is an end view looking down into the empty box or case, showing the ring parts C and handle A, the support F bearing against the jaw or ring C and piercing it, as represented in the figure.

D D are the side plates connecting the receptacle with the ring C. B B represent the thumb-screws for firmly holding the butts of the broom-corn.

It is the design of this invention to place it within the reach of every farmer and every mechanic to prepare his own domestic brooms, as is clear from the apparatus here shown. The construction of the broom after the frame-work is prepared is among the simplest of all mechanical work, the handle being constructed in the ordinary way except that the part to

be received into the case is turned down smaller, as indicated by the dotted lines *a a*, where a shoulder is formed against the lower part of the case P and on the lower extremity. The shank of the support F is received into the wood of the handle and through one side of the ring C to hold it firmly in place, as shown in Fig. III, where also are shown the notches on the inner face of the ring C, to press into the surface of the broom-corn and hold it firmly.

The thumb-screws B B, when the new broom-corn is to be received into its place, are to be taken out, leaving in place that side of the ring which receives the shank F, so that the broom-corn may be fitted to the case; or, if more convenient, both halves of the ring may be removed, and when the cornstalks are fitted to the case the rings may be applied anew and grasp firmly the stalks of the broom-corn and hold them fast; but the frame is arranged in the present case to adapt the fitting of the cornstalks to the removing of only one-half of the ring, as described.

The case or receptacle P may be made of stout japanned tin, the side pieces, D D, being carried up to the ends of the ring C, and the wires inclosed in said side pieces made to pierce the ends on that half of the ring which receives the shank of F. If found necessary some pitch or melted rosin may be used to embed the broom-corn in the bottom of the case.

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

The construction of the case for receiving the broom-corn, in combination with the toothed jaws or ring C and support F, attached to the side of the said ring, substantially in the manner and for the purpose set forth.

JOHN E. HUNTER.

Witnesses:

D. MARTIN,  
W. MARTIN.