

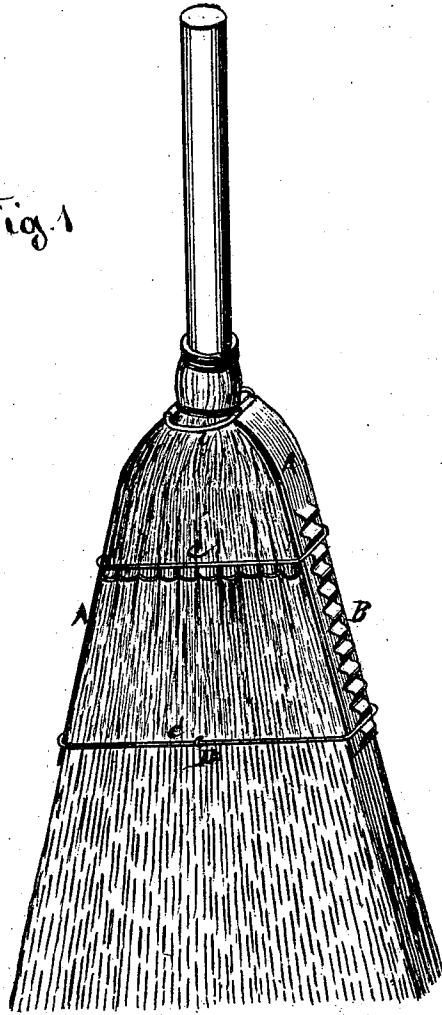
*F. O. Willey,*

*Broom Brace.*

*No. 100,228.*

*Patented Feb. 22. 1870.*

*Fig. 1*



*Fig. 2*



*Witness:*

*Wm H Lotz  
H L Argunson*

*Inventor:*

*Freeman O. Willey*

# UNITED STATES PATENT OFFICE.

FREEMAN O. WILLEY, OF WILMETTE, ILLINOIS.

## IMPROVED BROOM-BRACE.

Specification forming part of Letters Patent No. **100,228**, dated February 22, 1870.

*To all whom it may concern:*

Be it known that I, FREEMAN O. WILLEY, of Wilmette, in the county of Cook and State of Illinois, have invented certain Improvements in Corn Brooms and Brushes, of which the following is a specification.

The invention consists of a broom-brace for supporting the corn brush in position.

In the accompanying drawings, Figure 1 is a perspective view of an ordinary corn broom with the brace attached. Fig. 2 is a view of metallic loops used in connection with the other parts of the brace.

A A are narrow metallic strips applied to the narrow sides of the broom and connected at the top by a ring, *i*, inclosing the handle of the broom. Upon the outsides of the metallic strips are narrow corrugated strips of metal, as shown at B. Inclosing the broom and metallic strips are metallic loops *c*, as shown in Fig. 2, which are so made that they can be slid down or up upon the corrugated strips, and said corrugations keep the said loops in place.

D is a cross-section tie connecting the opposite sides of the loop.

The object and design of the entire device

is to strengthen and support the brush or acting portion of the broom, the strips down the narrow sides being so constructed and adapted as to retain the broom in shape in those directions, while the metallic loops and their cross-ties hold and support it forward and backward.

The strips or any other portion of the device may be made either of metal or other material, as found most desirable.

The edge supports of the brace may be extended over or across the sides of the broom, to cover and strengthen the same, to any extent found necessary, the object being to support and strengthen the broom without adding any more weight or expense than is necessary.

I claim—

The broom-brace consisting of the strips A, ring *i*, corrugations B, and one or more adjustable bands, *c*, substantially as described.

FREEMAN O. WILLEY.

Witnesses:

JAS. I. PIMM,  
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