

G. YINGER.
Broom-Hangers.

No. 157,263.

Patented Nov. 24, 1874.

Fig 1.

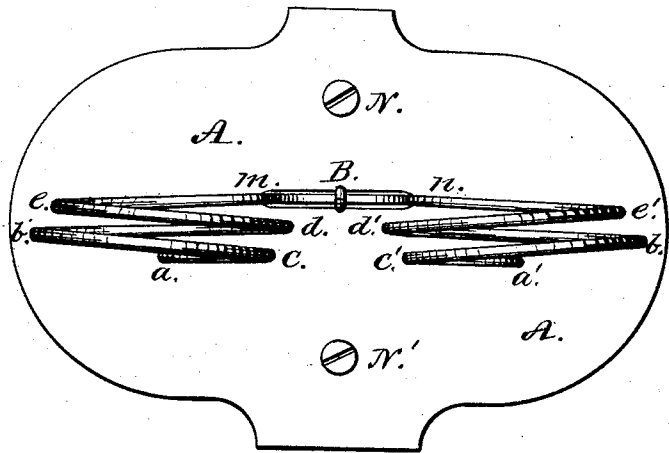
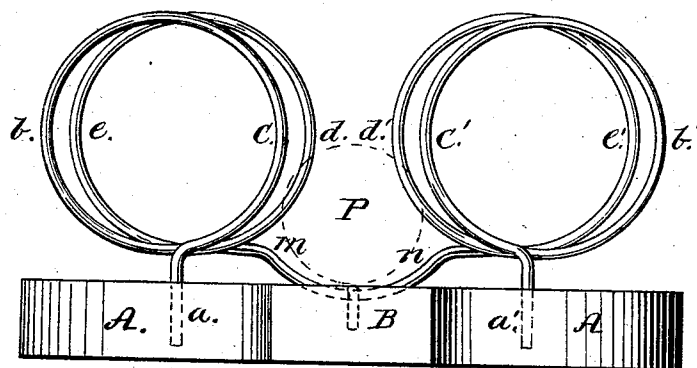


Fig 2.



Witnesses
Theophilus Weaver
Peter Stucker

Inventor.
George Yinger

UNITED STATES PATENT OFFICE.

GEORGE YINGER, OF HARRISBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO H. C. DEMMING, OF SAME PLACE.

IMPROVEMENT IN BROOM-HANGERS.

Specification forming part of Letters Patent No. 157,263, dated November 24, 1874; application filed March 30, 1874.

To all whom it may concern:

Be it known that I, GEORGE YINGER, of the city of Harrisburg, county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in a Broom-Holder, of which the following is a full, clear, and exact description, reference being had to the annexed drawings making a part of this specification, in which—

Figure 1 is a front view of my holder. Fig. 2 is a bottom or under-side view.

My invention relates to that class of devices used to hang or suspend a broom on a wall or post when not used; and it consists of two peculiarly-formed spring-scrolls, arranged to hold the broom-handle compensatingly between them by the pressure of said scrolls solely, which are mounted on a block in such manner as to present said scrolls so as to readily insert the said broom-handle, in the manner hereinafter set forth.

In the art of making broom-hangers the practice hitherto has been to let the ends of the wire of which the fixture is made free and unprotected as the detent parts thereof, so that only one strand of the wire was used to retain the handle between the ends thereof as detents, and insufficient compensation was made for varying sizes of handles, or different parts of the same taper handle, and said single strand was found inoperative unless made of stout wire, in which case the handle was liable to be scored by the holder, to overcome which defects my improved holder is made of closed coils, more or less duplicated.

To enable others skilled in the art to make and use my invention, I proceed to explain more fully its exact nature.

The stub end *a* of the wire, taken as a starting-point, is used as a fastening on the block A. From the face of said block it is curved to form the circles *c b* and *d e* as a helix, with circle *d e* somewhat projected toward the center of the block A, or forward of the circle *c b*, in order that said circle *d e* may act freely as a spring to hug the broom-handle P. At the base of circle *d e* the wire is extended toward the other end of the block

A, making midway a crook, *m n*, which is let into the block A, and held in its place by a staple, B, in such manner as to come flush with face of said block, so as to allow the broom-handle to hug the block A freely, to receive the benefit of friction therefrom to counteract extraction vertically. Said wire extends from said crooked part *m n*, to form a similar scroll at its other end by a contrary wind, making the projected circle *d' e'* and the retreating circle *b' c'* successively, and terminating in the stub end *a'*, which is driven into the block A in a similar manner as stub *a*.

Each scroll consists, therefore, of a standard or circle, *b c* or *b' c'*, and an advancing compensating spring-circle, *b d* or *b' d'*. The said scrolls are located close enough to each other to require the broom-handle to be pressed on forcibly to insert it between them, so as to spring the scrolls apart with some degree of force, in order that when the said handle is inserted they may take a sufficient hold thereon to prevent its sliding downward, and especially as the taper of handles favors a sagging down by gravity.

The block A is designed to be attached to a wall or other object by wood-screws at N N' in such manner that the wire ends *a a'* may come under the scrolls, as a support to them when they have the broom suspended between them to prevent sagging.

I am aware that the advancing spring-coils *d e* and *d' e'* may be duplicated if more friction and resistance is desirable than a single strand affords.

I am also aware that broom-hangers have been made of one continuous wire, but differently formed and arranged, and that wire pen-holder racks employ coils to hold the pen between the strands of the coils, and therefore differ from my device, in which the handle is held between the spring-scrolls as series of strands peculiarly arranged.

Having thus fully described my invention, what I regard as new and useful, and what I desire to secure by Letters Patent, is—

A broom-holder composed of the spring-

scrolls *b c d e* and *b' c' d' e'*, made with the retreating and advancing coils connectedly arranged by the crooked part *m n*, and mounted on the block A by the stub ends *a a'* and the staple B, and adapted to operate substantially in the manner, as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have hereunto set my hand this 26th day of March, 1874.

GEORGE YINGER.

Witnesses:

THEOPHILUS WEAVER,
PETER STUCKER.