

E. M. & J. W. TURNER.

Broom-Handles.

No. 146,727.

Patented Jan. 20, 1874.

Fig. 1.

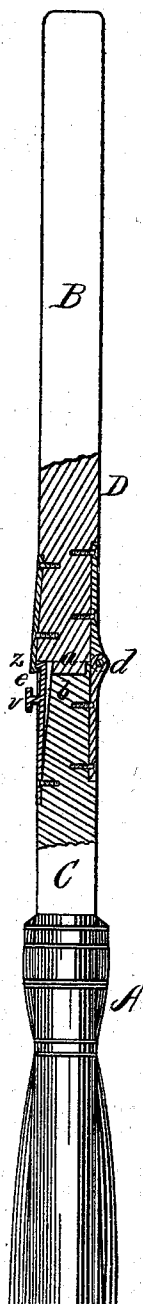


Fig. 2.

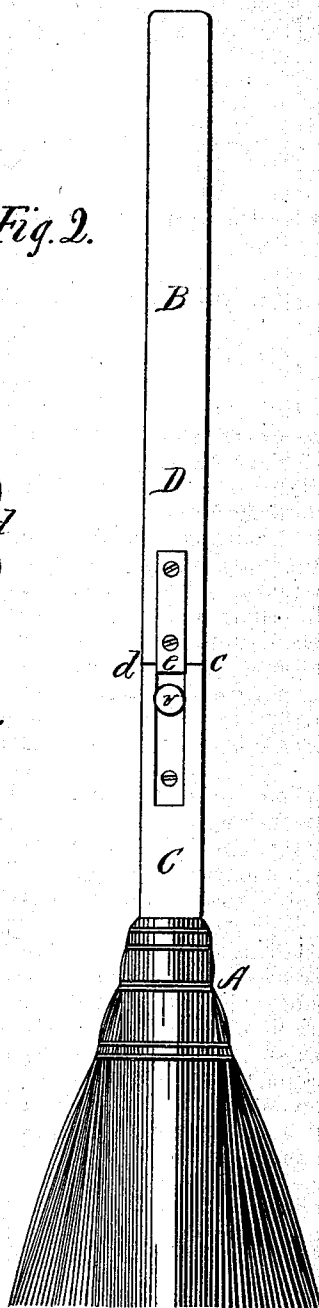
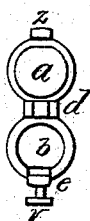


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

EPHRAIM M. TURNER AND JOHN W. TURNER, OF FORT WORTH, TEXAS.

IMPROVEMENT IN BROOM-HANDLES.

Specification forming part of Letters Patent No. **146,727**, dated January 20, 1874; application filed July 26, 1873.

To all whom it may concern:

Be it known that we, EPHRAIM M. TURNER and JOHN W. TURNER, of Fort Worth, in the county of Tarrant and State of Texas, have invented a new and valuable Improvement in Brooms; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a sectional view of our broom. Fig. 2 is a side view of the same. Fig. 3 is a detail view of the same.

This invention has relation to brooms; and consists in the construction and novel arrangement of the hinge-joint and spring-catch of the handle, whereby the transportation of the brooms is facilitated and the brush protected, as hereinafter more fully set forth.

In the accompanying drawings, the letter A designates the brush or straw end of the broom, and B designates the handle. This is jointed at *c*, a tongue or projection, *a*, being formed on one section, and a mortise or depression, *b*, in the other for its reception, with the object of making the joint more secure. The section C of the handle, which is attached to the brush, is connected with the other section, D, by a hinge, *d*, the branches or leaves of which are screwed or otherwise secured to one side of the handle. On the opposite side of the handle a catch is provided, by means of which, when the joint is closed, the sections C and D

are securely connected in their relative position, forming a firm handle. For this purpose a catch, *e*, is secured to one section, so that its flanged or hooked end will be turned inward, and to the opposite section is fastened a spring-hook, *z*, with its end turned outward to engage with the catch *e* when the two are brought together in closing the joint. The spring-hook may be provided with a pressure-button, *v*, for convenience.

This improvement is designed to be applied to brooms of ordinary construction. Heretofore brooms adapted for folding have been constructed with expensive ferrules, or springs and catches of a like costly character. We do not claim, broadly, a folding broom.

What we claim as new, and desire to secure by Letters Patent, is—

The broom described, having a sectional handle, B C, and mortise joint *c*, and connected on one side of said joint by the hinge-plates *d*, and on the opposite side by the catch-plate *e* and spring-hook *z*, whereby the handle may be folded flatwise against the brush, or straightened and automatically secured, as specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

EPHRAIM M. TURNER.
JNO. W. TURNER.

Witnesses:

WM. RUSSELL,
OMAR SMITH.