

D. A. SCOTT.
Broom-Stock Holder.

No. 211,935.

Patented Feb. 4, 1879.

Fig. 1.

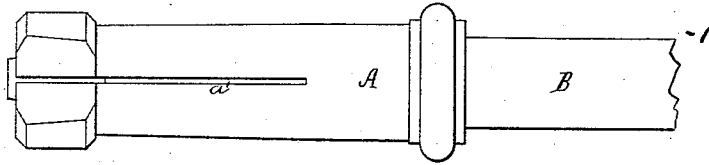


Fig. 2.

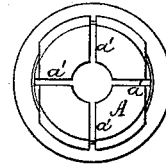


Fig. 3.

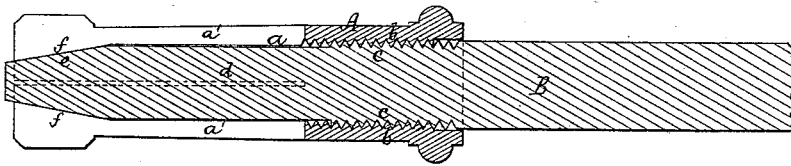
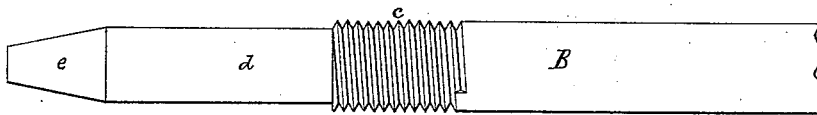


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

DAVID A. SCOTT, OF SOUTH BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BROOM-STOCK HOLDERS.

Specification forming part of Letters Patent No. **211,935**, dated February 4, 1879; application filed January 2, 1879.

To all whom it may concern:

Be it known that I, DAVID A. SCOTT, of South Boston, of the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Broom-Stock Holders and their Handles; and do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side view, Fig. 2 a front-end view, and Fig. 3 a longitudinal section, of a broom-stock holder of my improved kind. Fig. 4 is a side view of its handle.

The invention in question is an improvement on that for which the United States Patent No. 91,907, dated June 29, 1869, was granted to Marshall Burnett, such patent being now owned by me by assignment from the patentee, duly recorded in the Patent Office.

In the original invention the expansive holder had a cylindro-conical bore, provided with a female screw, extending substantially throughout it. Furthermore, the handle was cylindro-conical, and provided with a corresponding male screw, to co-operate with the female screw in expanding the holder.

In practice, it has been found difficult and expensive to so construct the screws, especially that of the holder, which, by extending across the slits of such holder, necessarily weakened it.

In carrying out my improvement I construct the holder A with a cylindro-conical bore, *a*, and in such have the female screw *b* extending only a short distance from the rear end of the bore, or to, or about to, the slits *a' a' a'*, and I construct the handle B with a male screw, *c*, corresponding to the female screw; and the part *d*, in advance of such screw, I form cylindrical, and terminate it with a cone or conical frustum, *e*, as shown, the conical parts of the

bore and the handle and the cylindrical parts in advance of the screw being without screw-threads.

On screwing the handle into the holder the conical or tapering part *e* will be caused to advance within the conical part *f* of the bore, and in so doing expand the holder.

By having the screws back of the slits the holder is rendered stronger in its expansive or movable parts, and there is no danger of the screw-threads overriding and being broken away, as happens occasionally or quite frequently when they are cut in the conical parts of the holder and handle. Furthermore, my improvement enables me not only to make a better handle and holder, but at considerably less expense and with less labor or effort, comparatively speaking.

I do not claim the expansive broom-stock holder provided with a cylindro-conical bore, and a female screw extending through it, or from end to end and across its slits; nor do I claim a broom-handle having a cylindro-conical screw to screw into such holder, all being as shown in the said Patent No. 91,907; but,

In a broom, I claim—

As an improvement, the expansive stock-holder A, as constructed with its female screw *b* arranged to extend within it from its rear end a portion only of the length of the said bore, or to, or about to, the slits *a'* of the holder, in combination with the handle B, having the male screw *c*, and the unthreaded cylindrical extension *d*, and cone or frustum *e*, arranged as set forth, all being to operate substantially as specified.

DAVID A. SCOTT.

Witnesses:

R. H. EDDY,
S. N. PIPER.