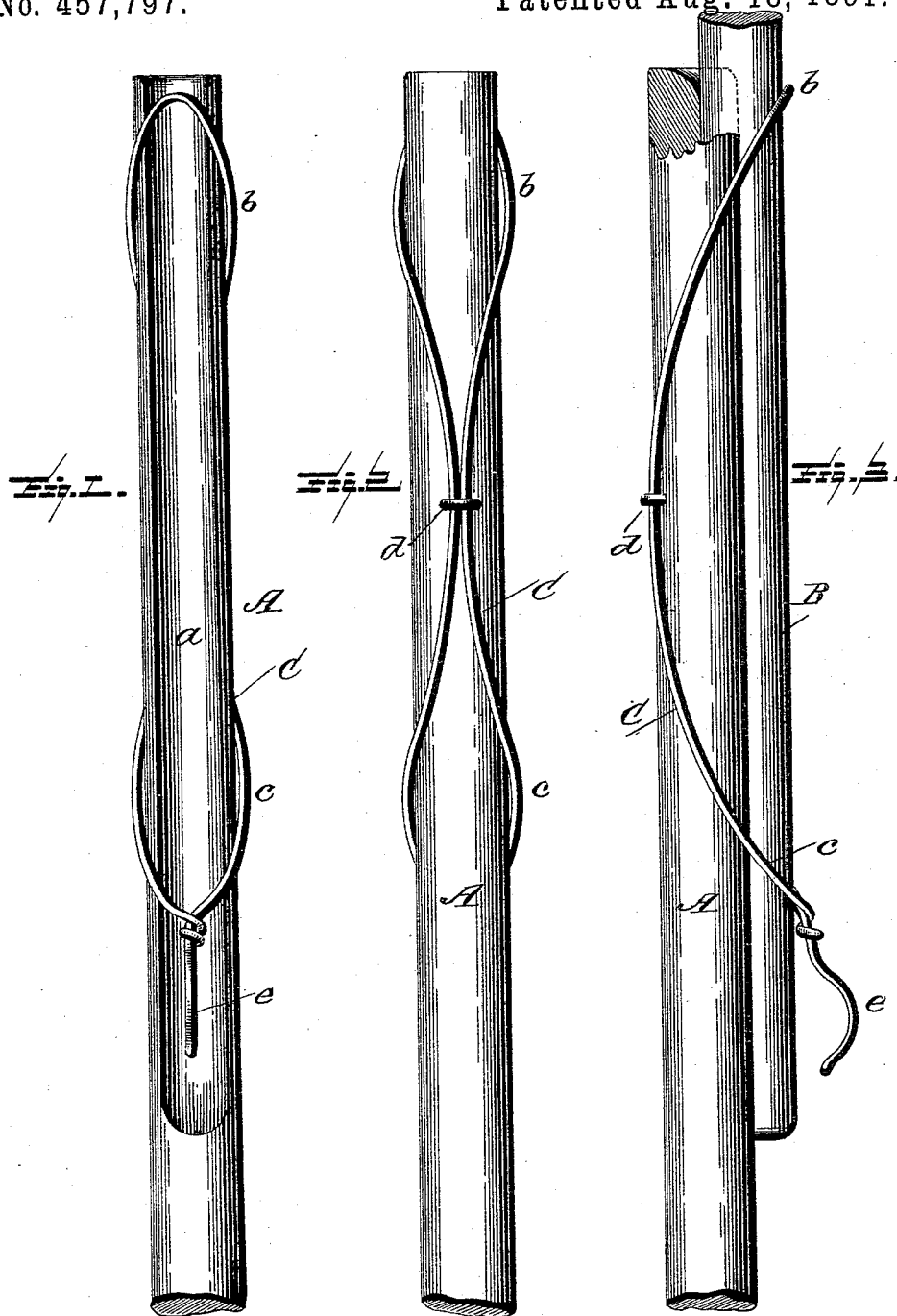


(No Model.)

J. SHILLING, Jr.  
HANDLE EXTENSION.

No. 457,797.

Patented Aug. 18, 1891.



Witnesses  
*L. C. Mills.*  
*E. A. Bond.*

Inventor:  
*Jesse Shilling Jr.*  
per *Charles H. Fowler.*  
Attorney

# UNITED STATES PATENT OFFICE.

JESSE SHILLING, JR., OF TROY, OHIO.

## HANDLE-EXTENSION.

SPECIFICATION forming part of Letters Patent No. 457,797, dated August 18, 1891.

Application filed May 25, 1891. Serial No. 394,008. (No model.)

*To all whom it may concern:*

Be it known that I, JESSE SHILLING, Jr., a citizen of the United States, residing at Troy, in the county of Miami and State of Ohio, have  
5 invented certain new and useful Improvements in Handle-Extensions; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part  
10 of this specification, and to the letters of reference marked thereon.

Figure 1 of the drawings represents a plan view of the grooved side of the handle-extension; Fig. 2, a plan view of the reverse side  
15 thereof; Fig. 3, a view showing the device connected to the handle of a brush, broom, or other article where the lengthening of the handle is desirable.

The present invention has for its object to  
20 provide a simple and effective device for the attachment to the handles of brushes, dusters, brooms, and other like articles where the handle thereof is not sufficiently long for the special purpose for which the article is to be used,  
25 and can by my improved device be extended in length for temporary use; and the invention consists in providing a grooved handle-extension to form a seat for the end of the handle  
30 to which it is to be attached, and a spring-wire holder for retaining the extension and handle together, substantially as shown in the drawings, and hereinafter described and claimed.

In the accompanying drawings, A represents the handle-extension, which may be of  
35 any desirable length and thickness and of wood or other suitable material, and has at one end a groove *a* to form a seat for the end of the brush or other handle to which it is to  
40 be attached. A spring-holding device is connected to the handle-extension A, and consists of a wire of suitable length, which is bent so as to form double loops *b c*, said loops encircling the handle-extension A, and are of

sufficient size to allow the brush or other handle 45 to pass under them in attaching the two together. The wire between the loops is held together by a suitable coupler *d*, which may be of wire or of any other preferred form or construction, and the extremities of the wire  
50 meet and are joined together in any well-known and preferred manner, so as to form a lever-hook *e*, by which the loop *c* may be raised or expanded to allow the insertion under said loop of the brush or other handle B. 55

The spring-holding device, which is represented at C, may be made of spring-wire of any preferred thickness, and it is simply connected to the handle-extension by passing the  
60 grooved end of the extension through the double loops hereinbefore described.

The device is simple, durable, and easily applied and operated, and when the end of the brush or other handle is seated in the  
65 groove of the handle-extension, as shown in Fig. 3, the wire loops will form a perfect clamp to firmly hold the two together.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is— 70

1. The combination, with a grooved handle-extension, of a spring-holding device consisting of wire bent to form double loops which encircle said handle-extension, substantially  
75 as and for the purpose set forth.

2. The combination, with a grooved handle-extension, of a spring-holding device consisting of wire bent to form double loops and the extremities of the wire joined and terminating in a lever, substantially as and for  
80 the purpose described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JESSE SHILLING, JR.

Witnesses:

GEORGE GREEN,  
ALFRED MASON.