

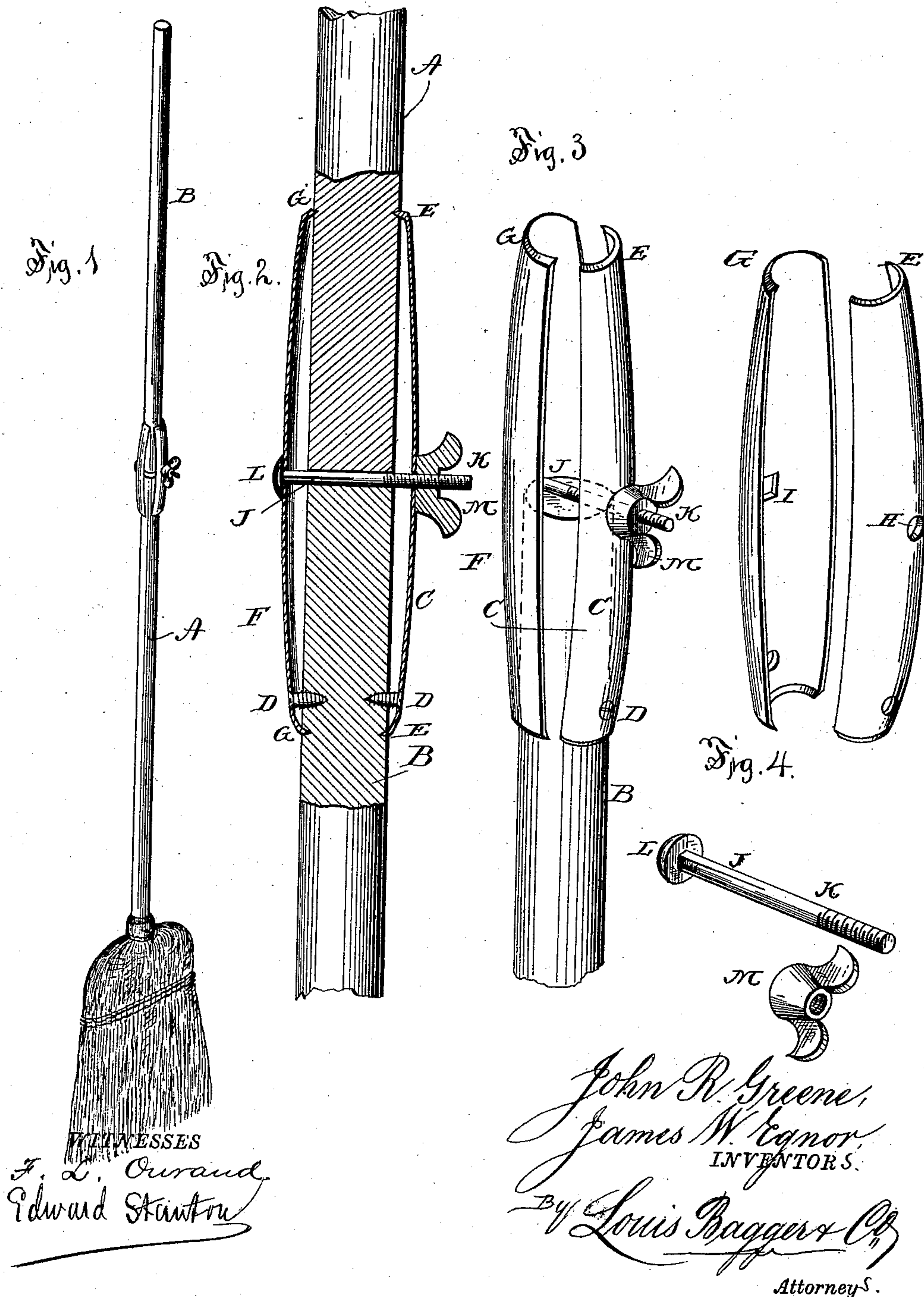
(No Model.)

J. R. GREENE & J. W. EGNOR.

BROOM HANDLE EXTENSION.

No. 347,270.

Patented Aug. 10, 1886.



UNITED STATES PATENT OFFICE.

JOHN R. GREENE AND JAMES W. EGNOR, OF SPENCER, INDIANA.

BROOM-HANDLE EXTENSION.

SPECIFICATION forming part of Letters Patent No. 347,270, dated August 10, 1886.

Application filed March 9, 1886. Serial No. 194,546. (No model.)

To all whom it may concern:

Be it known that we, JOHN R. GREENE and JAMES W. EGNOR, both residents of Spencer, in the county of Owen and State of Indiana, have
5 invented certain new and useful Improvements in Broom-Handle Extensions; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of a broom,
15 showing our improved handle-extension in position: Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a view of the upper end of the extension, showing the clamp; and Fig. 4 is a view of the parts of the clamp
20 separated.

Similar letters of reference indicate corresponding parts in all the figures.

Our invention has relation to extensions for the handles of brooms and brushes; and it consists in the improved construction and combination of parts of a device which is secured
25 to the upper end of a pole or handle, and which may be clamped to the end of a handle of a broom or brush, for the purpose of providing
30 the said broom or brush with a longer handle, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the handle of a broom, and B is the
35 extension-handle, which is simply a pole or stick of any desired length. A clamping-jaw, C, forming a portion of a hollow cylinder, is secured at one end to the extension-handle by means of a screw, D, and fits with its con-
40 cave side upon the side of the extension-handle, projecting with slightly more than one-half of its length beyond the end of the said handle, and the ends of this jaw are preferably bent slightly inward to form biting-edges E,
45 while the middle of the jaw is slightly bulged out and of a sufficient springiness to yield when drawn toward the other jaw. The other jaw, F, is constructed similarly to the afore-described jaw, having its middle slightly bulged out, and
50 having biting edges or flanges G at its ends, and

the stationary jaw and the loose jaw are both provided at their centers with perforations H and I, the first one of which, H, in the stationary jaw is preferably of a polygonal or irregular shape, for the purpose of accommodating and
55 holding the correspondingly-shaped shank, J, of a screw-bolt, K, the head L of which bears against the outer side of the stationary jaw, while its screw-threaded end projects through the perforation of the movable jaw, and is pro-
60 vided with a thumb-nut, M, which may bear against the outer side of the said jaw. It will now be seen that when the stationary jaw has been secured to the extension-handle the end of the broom-handle may be inserted between the
65 free ends of the jaws, and the movable jaw may be drawn toward the stationary jaw, clamping the extension-handle and the broom-handle between it and the stationary jaw, causing the biting-edges to bite into the handles, and thus
70 to hold the same together, while the bulged parts of the jaws will be straightened, and the springiness of the jaws will hold the said edges toward the handles, biting them. In this manner the handle of a broom, scrubbing or
75 dusting brush, scraper, or other utensil may be held by the clamp upon an extension-handle of any length, rendering the broom or utensil able to be used upon distant places
80 without the necessity of having to provide the broom or utensil with a long handle, so that a utensil having a handle of the common length may be used with the handle at its natural length or with a long handle.

Having thus described our invention, we
85 claim and desire to secure by Letters Patent of the United States—

1. In an extension-handle for brooms and similar articles, the combination of a jaw forming a part of a cylinder, and having its middle
90 bulged outward and formed with a polygonal perforation, and having its ends bent to form biting-edges, a similarly-shaped jaw having a round perforation at its middle, a screw-bolt having its shank fitting in the polygonal per-
95 foration, and its threaded end passing through the other perforation, and a thumb-nut fitting upon the bolt and bearing against the outer side of the round perforation, as and for the purpose shown and set forth.

2. In an extension-handle for brooms and similar articles, the combination of an extension-handle, a jaw forming a part of a cylinder, and having one end secured to the handle and formed at its ends with inwardly-bent biting-edges, a similarly-shaped loose jaw, and a screw-bolt and thumb-nut for drawing the jaws together, as and for the purpose shown and set forth.

In testimony that we claim the foregoing as our own we have hereunto affixed our signatures in presence of two witnesses.

JOHN R. GREENE.

JAMES W. EGNOR.

Witnesses:

VATON S. CRAFT,
RALPH PRATT.