

W. J. FRYER, Jr.
Foot-Scraper.

No. 224,774.

Patented Feb. 24. 1880.

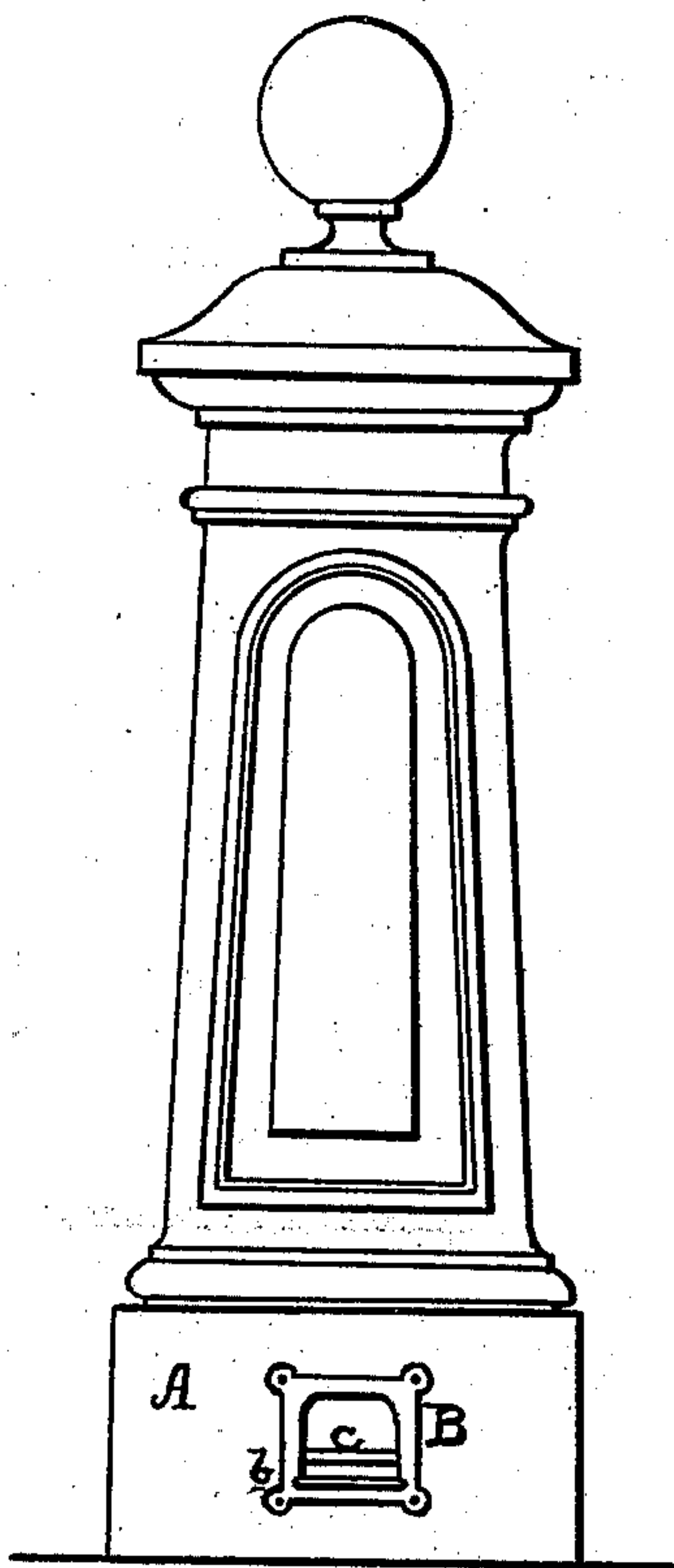


FIG. 1

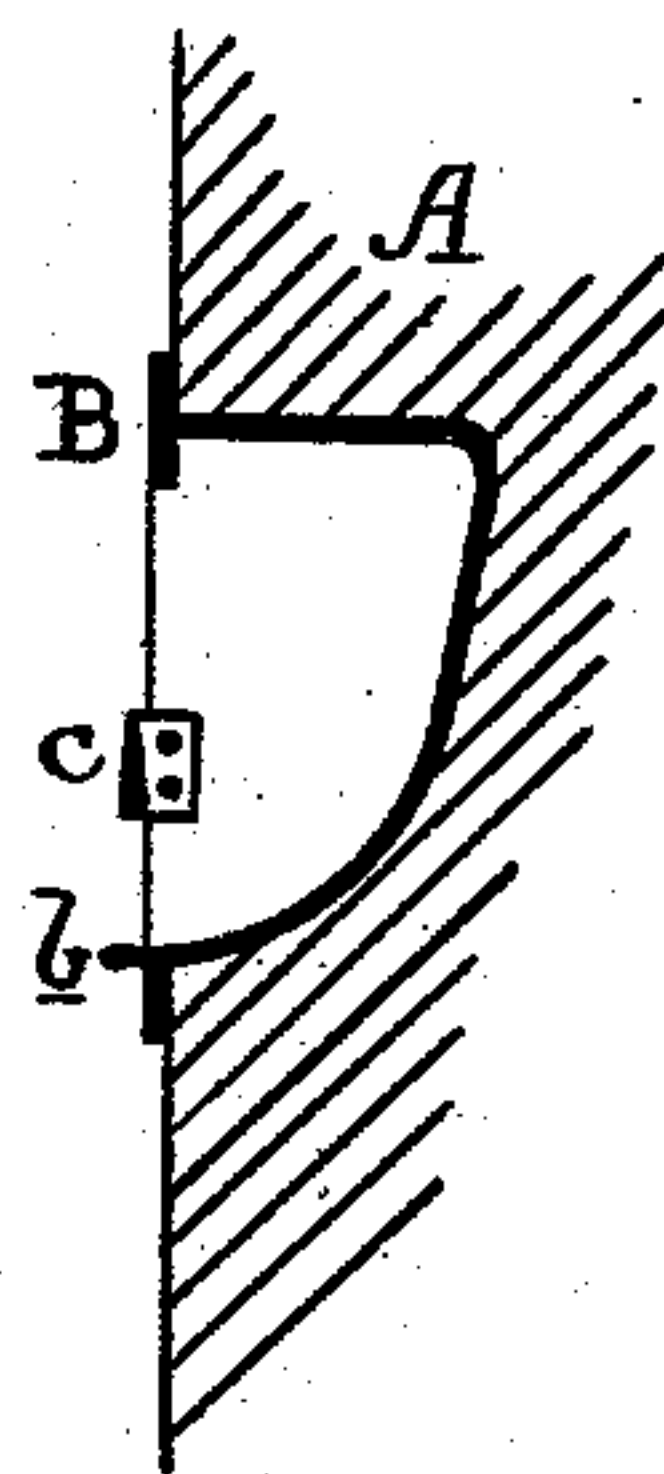


FIG. 2

WITNESSES:

Charles L. Fryer,
John Whittle

INVENTOR:

Wm. J. Fryer, Jr.

UNITED STATES PATENT OFFICE.

WILLIAM J. FRYER, JR., OF NEW YORK, N. Y.

FOOT-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 224,774, dated February 24, 1880.

Application filed August 11, 1879.

To all whom it may concern:

Be it known that I, WILLIAM J. FRYER, JR., iron-contractor, of No. 104 Goerck street, in the city of New York, county and State of New York, have invented a new and useful Improvement in Foot-Scrapers, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is an elevation of a newel-post, showing a front view of my foot-scraper inserted in the base of the newel, and Fig. 2 is a sectional view of the newel and scraper.

A is the newel-post. B is the scraper-box. c is the scraper-blade.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide foot-scrapers placed within the newel-post of stoops, so placed that the scraper will be at the most convenient place for use, out of the way of passers-by, and so constructed that the scrapings will fall out of the box onto the sidewalk and be blown or swept away.

For dwelling-houses in cities and elsewhere newel-posts are generally used at both sides of the entrance-stoops. Within the base or lower part of the newel I let in a metal box of the general shape shown on the drawings, which box is provided with a projecting scraper-blade, c. I make the box of such shape as will best accommodate a person's foot, and the bottom I make sloping, so that the dirt will fall outward.

If the newel is of stone or of solid wood, the proper shape—a suitable box form—may be cut out and the metal box dispensed with. If the newel is of cast-iron, a suitable recess for the foot may be formed as a part of the newel it-

self. The scraper-blade is of an ordinary shape, either a single blade or a double one, or one bent to the shape of an inverted V.

The scraper-blade may be fastened by screws, or may be sprung or slipped into a recess or suitable holding-place, so that it can be at any time removed and replaced by a new blade without having to take out the box, or, if no box is used, without having to take out the frame.

If the recess for the foot is cut out of the solid base of the newel, I prefer to use, in any event, an outside frame, so that the sloping bottom may be carried out a little beyond the face-line of the base of the newel, in order that the dirt will fall clear from the post and drop on the ground below.

Each newel at a stoop may be provided with a scraper housed as described.

Sometimes the newel proper is made to stand on a stone base, or a portion of the lower step of the stoop. In that case my scraper can be inserted in the base or step rather than in the newel.

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

1. The metal device for foot-scraping, consisting of a box, B, having an outside frame, and scraper, c, as shown in drawings.

2. In combination with the recessed base of a newel-post, A, an outside metallic frame and scraper, c, with or without the box B, all substantially as and for the purpose set forth.

WM. J. FRYER, JR.

Witnesses:

ROBT. S. GARRETTSON,
L. G. GARRETTSON.