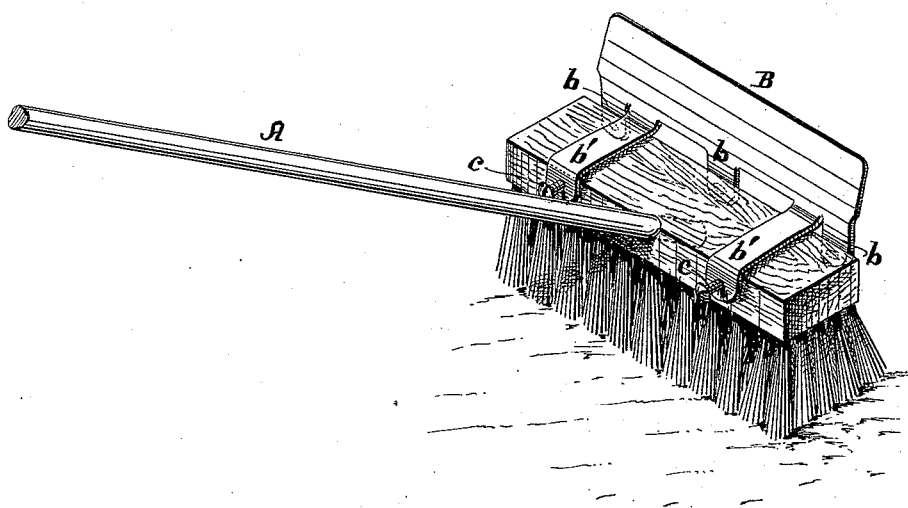


(No Model.)

C. J. CLEMENTS.
ATTACHMENT FOR BROOMS.

No. 490,472.

Patented Jan. 24, 1893.



WITNESSES:

Chas. Nida.
Albert J. Edwards.

INVENTOR:

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UNITED STATES PATENT OFFICE

CHARLES J. CLEMENTS, OF BROOKLYN, NEW YORK.

ATTACHMENT FOR BROOMS.

SPECIFICATION forming part of Letters Patent No. 490,472, dated January 24, 1893.

Application filed March 17, 1891. Serial No. 385,434. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. CLEMENTS, a citizen of the United States, and a resident of Brooklyn, Kings county, New York, have
5 invented a new and useful Attachment for Brooms, of which the following is a description, reference being had to the accompanying drawings, forming part of this specification.

10 My invention relates to brooms adapted for street cleaning and like purposes, and consists in a hoe shaped scraper affixed or adapted to be affixed to its back, and in the several features of the same, constructed, arranged, and
15 combined, substantially in the manner and for the purposes as hereinafter shown, illustrated, described, and claimed.

In the accompanying drawings I have shown one form of my device as applied to the usual
20 form of stable brush or street cleaner's brush.

Like letters of reference indicate like parts in the several views.

This invention relates particularly to the so called push brooms or brooms constructed
25 and arranged to be pushed by the user. Brooms of this kind are usually used in stables and for street cleaning, and it often happens that the mud or dirt to be swept up is tenacious and not removable by the broom
30 alone. To make the broom therefore more effective, I affix to its back in any desirable manner a hoe or scraper B, preferably of steel. The blade of the scraper is placed so that it projects from the back of the broom at an angle of about one hundred and twenty degrees
35 with the handle of the broom. When the handle of the broom is at the angle used for brushing and the brush is inverted, the blade of the scraper will be about perpendicular with the surface of the ground, while when
40 the handle of the broom is nearly vertical, the blade of the scraper will be nearly parallel with the ground. The scraper may there-

fore be used as a push hoe to loosen the dirt or by simply tilting the handle A of the broom, 45 it may be used as an ordinary garden hoe to not only loosen the dirt, but to gather it up into piles. The position of the hoe or scraper may then be reversed and the brush used to complete the work. 50

I form my scraper preferably in a manner shown and out of a flat plate of metal cut out in such way as to leave the three arms *b b b* and the two similar but longer arms *b' b'* projecting backward from the blade of the 55 scraper. These arms may then be suitably bent to fit the back of the brush for which they are designed, and screws *c* or similar attachments may be provided. I do not wish to limit myself to any such form of attach- 60 ment.

Having now described my invention, what I claim as new and desire to secure by Letters Patent of the United States is

1. As an article of manufacture, a scraper 65 blade provided with clamps conforming to the back and edges of a push brush or like device, and means for securing the said clamps to the said device, substantially as and for the purposes set forth. 70

2. As an article of manufacture, a hoe shaped scraper blade for attachment to push brushes, provided with integral arms *b*, formed in continuation of and substantially in the plane of the blade, and arms *b'* also formed integrally 75 with the blade and conforming to the back of the brush for which they are designed, and means for securing the said arms to the brush with which it may be used, substantially as set forth. 80

In testimony of the foregoing I have hereunto set my hand this 5th day of March, 1891.

CHAS. J. CLEMENTS.

Witnesses:

HAROLD BINNEY,
ALBERT J. EDWARDS.