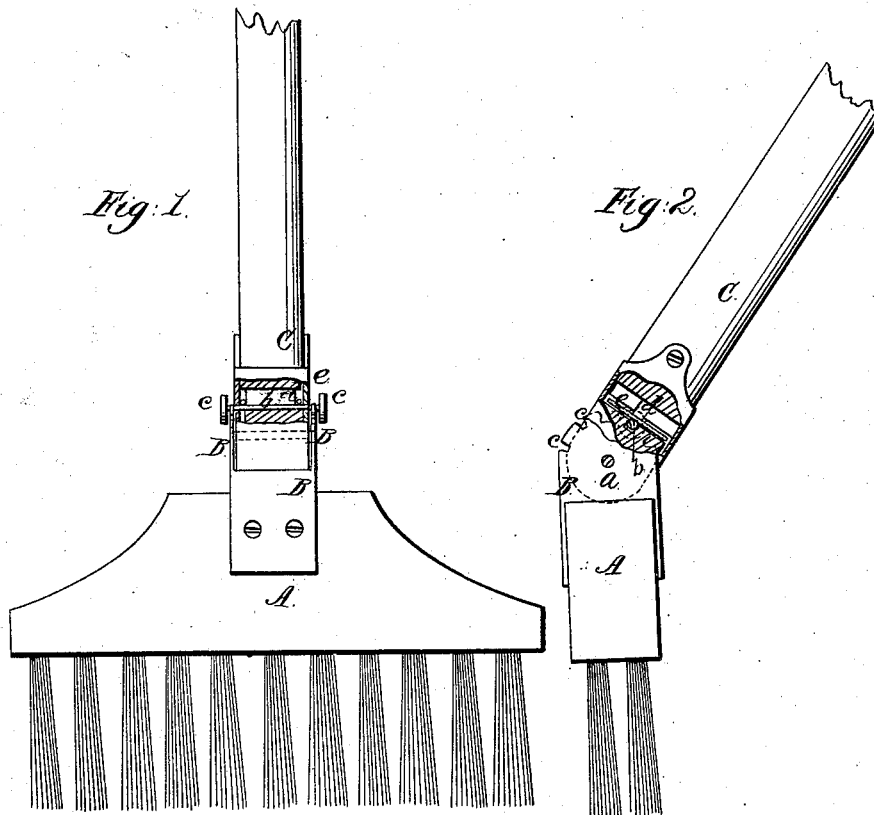


A. Alden,
Broom Handle,

No 47,781,

Patented May 23, 1865.



Witnesses:

The Tusch
C. L. Toff

Inventor:

A. Alden
per Munn & Co
attys

UNITED STATES PATENT OFFICE.

ALBERT ALDEN, OF NEW YORK, N. Y.

IMPROVED BRUSH.

Specification forming part of Letters Patent No. 47,781, dated May 23, 1865.

To all whom it may concern:

Be it known that I, ALBERT ALDEN, in the city, county, and State of New York, have invented a new and Improved Brush; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a sectional front elevation of this invention. Fig. 2 is a sectional side elevation of the same.

Similar letters of reference indicate like parts.

This invention consists in the employment or use of notched segmental plates or jaws secured to the head of the brush and operating in combination with the pivot connecting the brush-handle to the head and with a spring-catch in such a manner that by the action of the spring-catch and notched plates the handle can be brought in any desired inclination, and at the same time the plates hold the handle firmly in its place and the catch sustains it on both sides in a simple and effective way.

A represents the head of a brush or broom of any desired description, made of wood or any other suitable material, and in any convenient form or shape. From this head rise two plates, B, which may be connected thereto by screws or any other suitable means in the manner shown in the drawings or in any other suitable manner, and made in the form of a cap, as shown in the drawings, or in any other desirable shape. These plates form the bearings for the pivot *a*, which connects the handle C with the head A, and their outer edges form segments of circles described from the pivot as the center, so that a pin, *b*, passing transversely through the handle, will

sweep over the edges of the plates. Each plate is provided in its edge with a series of notches, *c*, large enough to receive the pin *b*, and said pin passes through a slot, *d*, in the handle, so that it can be raised out of the notches *c* or depressed therein, as may be desired. Said pin is subjected to the action of a spring, *e*, which may consist of a simple strip of india-rubber fastened round the handle in a suitable groove, as shown in the drawings, or which may be made in any other suitable manner and of any desirable material. By the action of this spring the pin *b* is depressed into the notches *c*, and by raising the pin against the action of the spring the handle can be turned to any desirable inclination and held there by raising the pin and allowing it to drop into those notches corresponding to said inclination. By this arrangement the handle is connected with the body of the brush in a firm and desirable manner. The jaws or plates B hold the handle in its place, and by the combined action of the pivot *a* and pin *b* with the notches *c* the handle is retained in any position into which it may be brought.

I do not claim as my invention, to connect the handle of a brush to its head so that the same can be brought in any desired inclination, such having been previously done, but by means different from mine; but

I claim as new and desire to secure by Letters Patent

The notched segmental plates B, in combination with the head A, handle C, and with the pivot *a* and spring-catch *b*, all constructed and operating in the manner and for the purpose set forth.

ALBERT ALDEN.

Witnesses:

BENJ. R. RAND,
CHAS. B. STEVENS.