No. 634,637. Patented Oct. 10, 1899.

A. S. ALLEN.

BROOM HANDLE.

(Application filed Oct. 22, 1898.)

(No Model.)

Fig. 1.

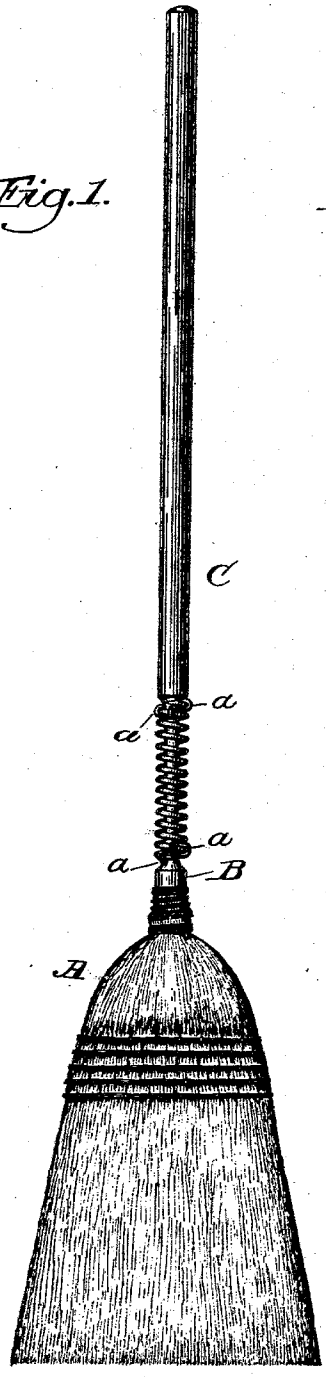
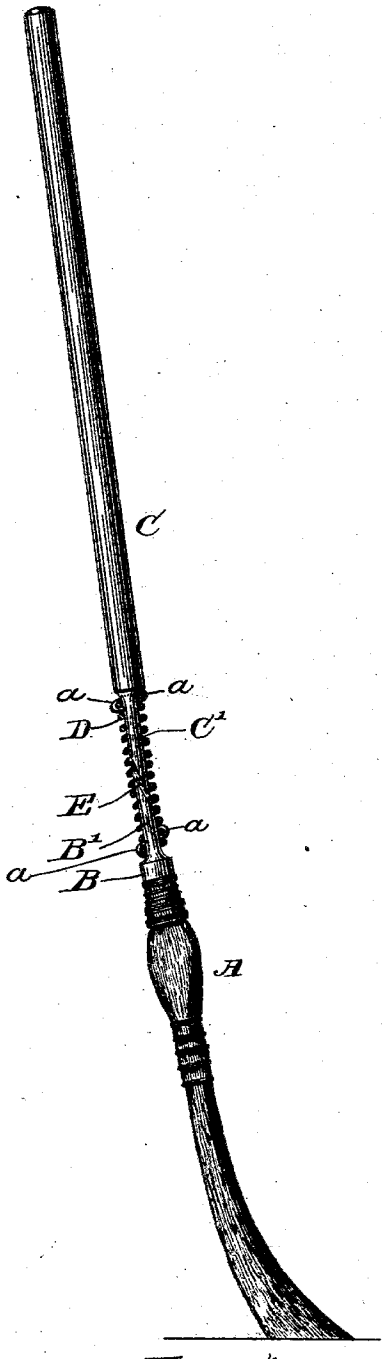


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

ARTHUR S. ALLEN, OF BOSTON, MASSACHUSETTS.

BROOM-HANDLE.

SPECIFICATION forming part of Letters Patent No. 634,637, dated October 10, 1899.

Application filed October 22, 1898. Serial No. 694,252. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR S. ALLEN, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Brooms, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object the production of a novel broom, by which to facilitate sweeping of floors, carpets, &c.

My improved broom has a handle composed of two parts connected by an independent elastic or yielding section, herein represented as a spiral spring.

Figure 1 of the drawings represents a broom embodying my invention; and Fig. 2 shows a side elevation of the broom, it being shown as being flexed and acting upon the floor. This figure shows the spring in section.

The broom-head A is and may be of any usual material and form, it having connected with it an extension B, preferably of wood, it corresponding substantially with the usual handle of a broom. The section B is short and is herein shown as reduced in diameter, as at B′. Coöperating with this section B′ is the main part of the handle C, it, as herein represented, having also a reduced part C′. These two parts are entered within a spiral spring D, which constitutes an elastic section or junction between the main part of the handle C and the auxiliary part B.

I have shown the reduced parts B′ and C′ as cut off at a slant, and between their meeting ends, inside the spring, I preferably place a piece of felt or other suitable yielding material, as E.

The reduced parts B′ C′ may be forced into the spiral spring sufficiently tight to be held therein firmly, or I may add at suitable intervals suitable staples, as *a*.

I am aware of United States Patent No. 483,477, granted September 27, 1892, and I do not therefore claim, broadly, the interposition of a spring in a broom-handle, as shown in said patent.

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

1. As an article of manufacture, a broom having a handle provided adjacent the head of the broom with two parts B′, C′, said parts having overlapping ends, and a spiral spring inclosing said overlapping ends and extending about the said two parts of the handle for some distance above and below said overlapping ends, substantially as described.

2. As an article of manufacture, a broom having a handle provided adjacent the head of the broom with two parts, said parts having overlapping ends, a piece of yielding material being interposed between said ends, and a spring inclosing said overlapping ends and extending about the said two parts of the handle for some distance above and below said overlapping ends, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ARTHUR S. ALLEN.

Witnesses:
GEO. W. GREGORY,
AUGUSTA E. DEAN.