

No. 637,287.

Patented Nov. 21, 1899.

A. SAHLSTRÖM & J. E. MURDOCK.

BROOM BRACE.

(Application filed Sept. 6, 1898.)

(No Model.)

Fig. 1.

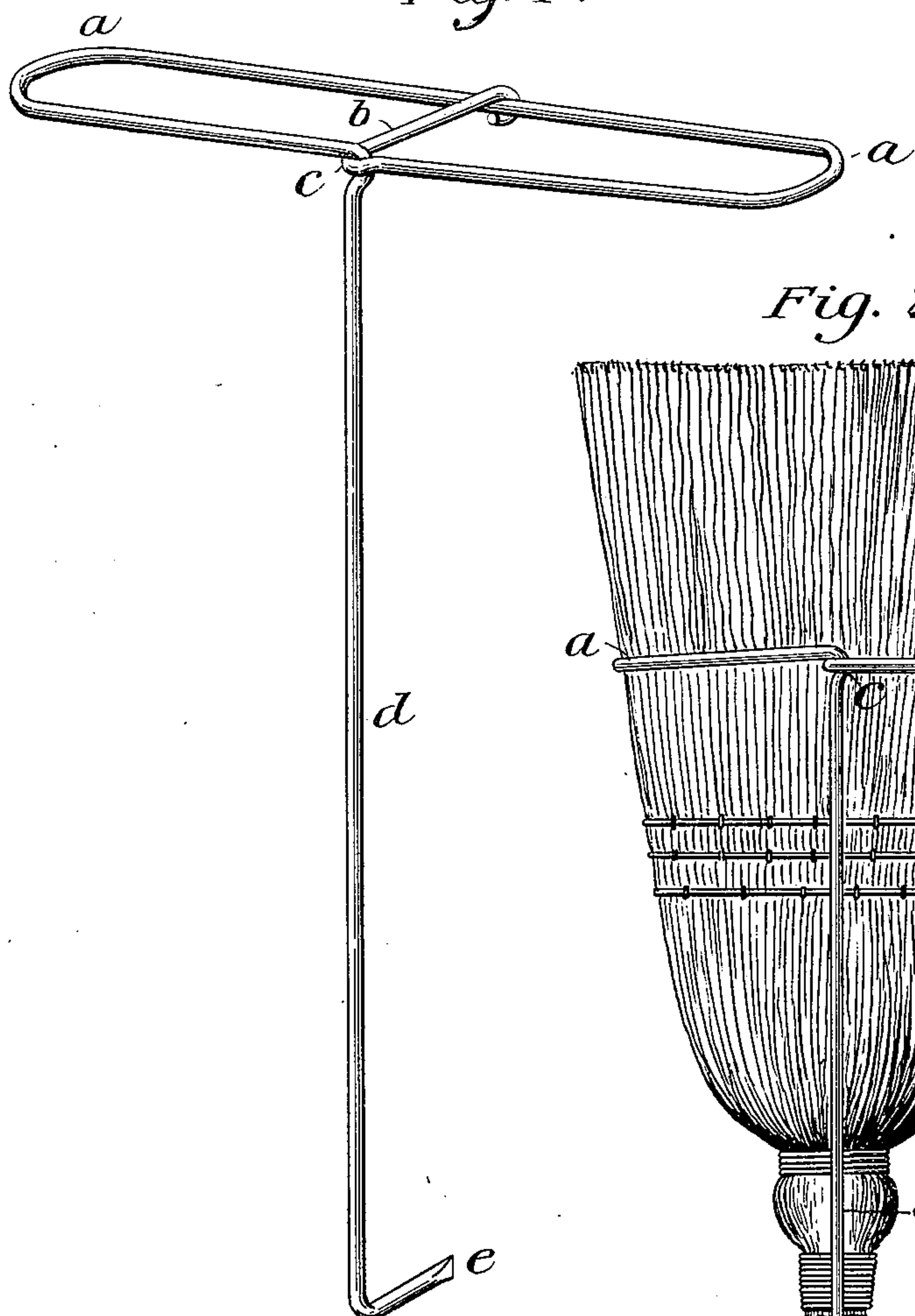
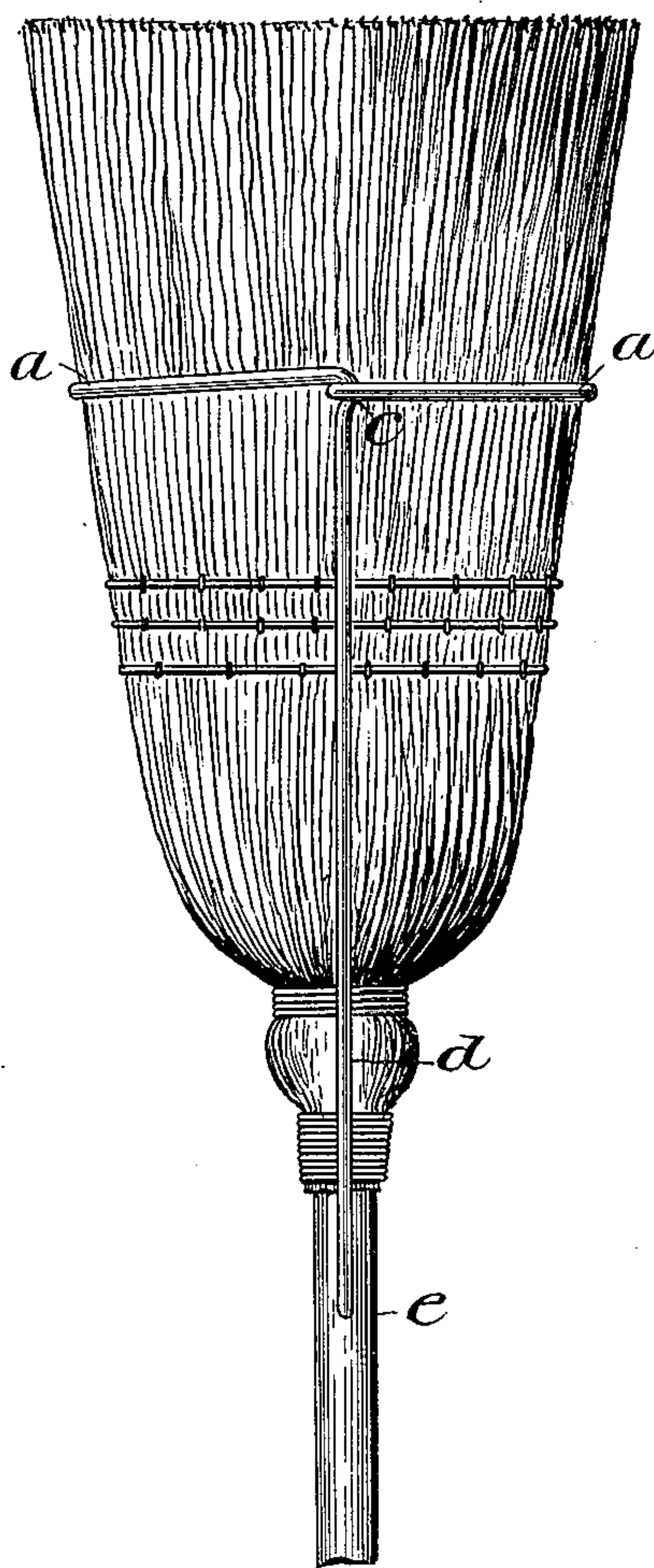


Fig. 2.



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Witness to mark.

UNITED STATES PATENT OFFICE.

AUGUST SAHLSTRÖM AND JAMES E. MURDOCK, OF MINNEAPOLIS,
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BROOM-BRACE.

SPECIFICATION forming part of Letters Patent No. 637,287, dated November 21, 1899.

Application filed September 6, 1898. Serial No. 690,383. (No model.)

To all whom it may concern:

Be it known that we, AUGUST SAHLSTRÖM and JAMES E. MURDOCK, residing at Minneapolis, county of Hennepin, State of Minnesota, have invented a new and useful Elastic Broom-Brace, of which the following is a specification.

The improvement relates to the class of inventions intended to keep the broom from spreading and to protect the corn from breaking and serves the additional original purpose of giving elasticity to the broom. These objects are attained by the following contrivance.

In the accompanying drawings, Figure I represents the invention detached, and Fig. II represents the invention attached to a broom.

Similar letters in both figures represent similar parts.

In the figures, *a* is a loop that encircles the broom above the binding. The wire forming this loop is bent at one end to form a short clasp *b*, (shown in Fig. 1,) which passes through the broom in the center and engages the opposite sides of the loop. This clasp serves the double purpose of keeping the corn evenly divided in the two ends of the loop and

keeping the loop from spreading. The other end of the wire forming the loop is bent to form the curve *c*, over which the clasp *b* passes to lock the loop *a*, keeping the brace *d* from sliding in the angle formed by the clasp *b*. Thence it extends to form the spring or brace *d*, which passes up to the broom-handle, where it is fastened by the bent and pointed end *e*. The spring *d* serves to hold the loop in position and also acts as a spring to give additional elasticity to the broom.

What we claim as original in this invention is the following:

In a broom-brace, the combination with a loop encircling the broom and a clasp passing through the broom, engaging the opposite sides of the loop, of an elastic brace, *d*, continuous with the loop through an intervening locking-curve, *c*, and terminating in the bent and pointed end, *e*, by which it is fastened to the broom-handle, all made of one piece of wire.

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