

O. L. Castle.
Broom Head.

N^o 44, 515.

Patented Oct. 4, 1864.

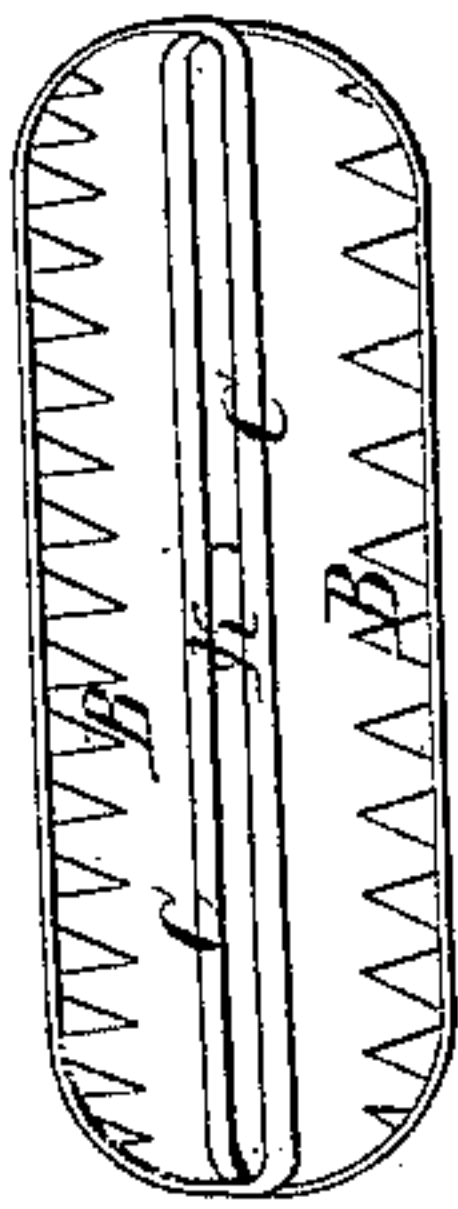
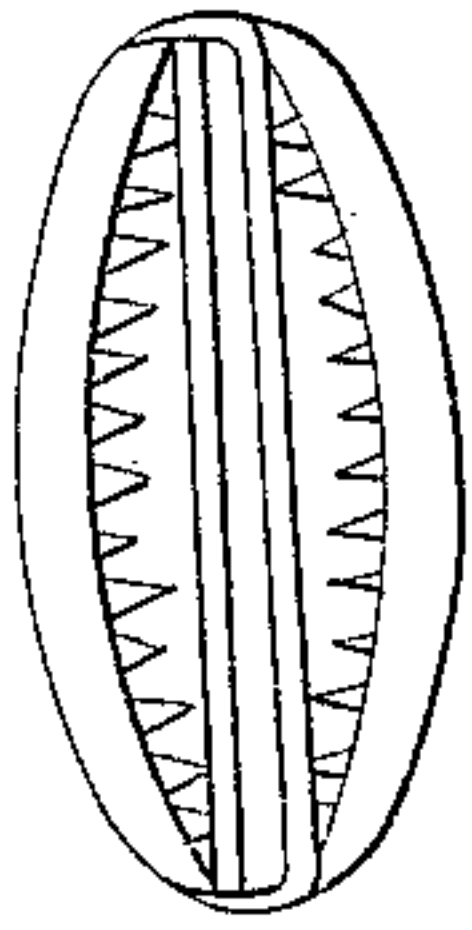


Fig. 3

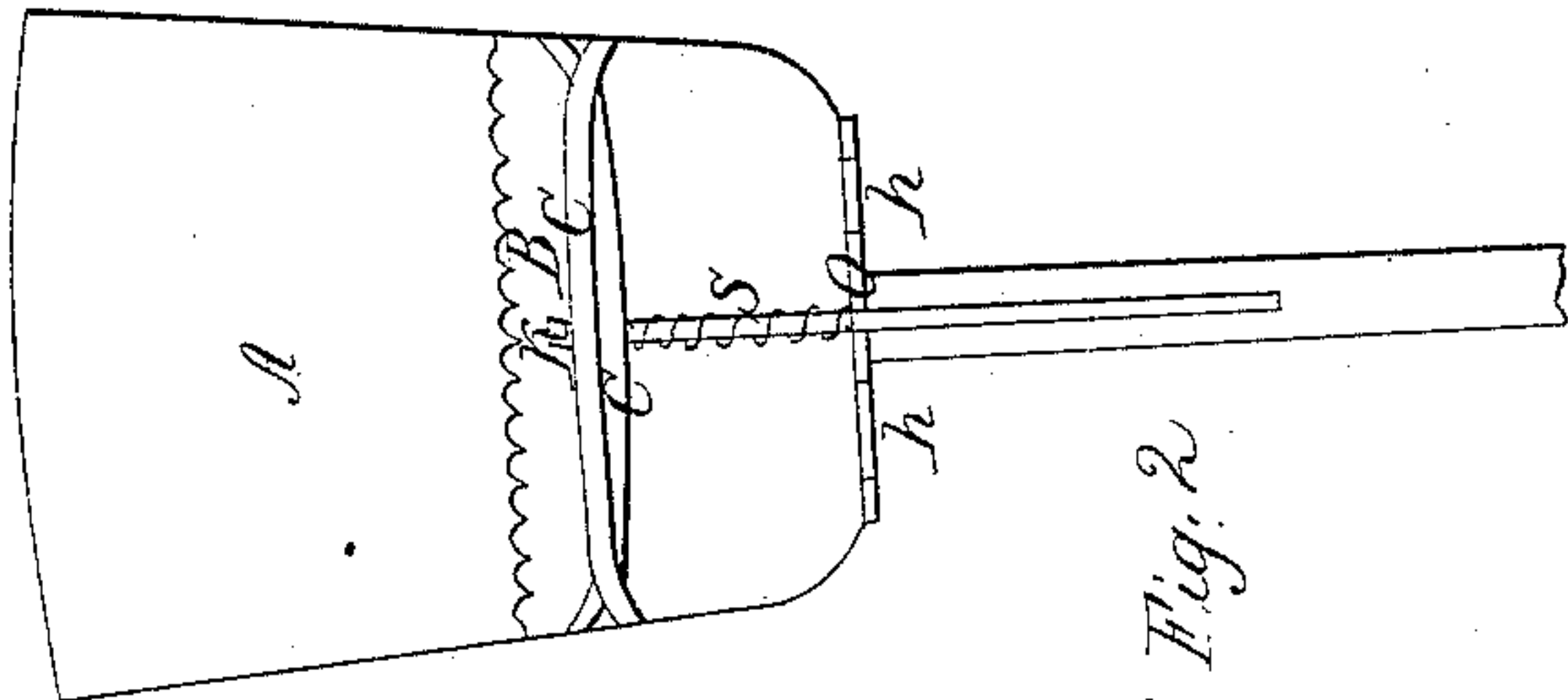


Fig. 2

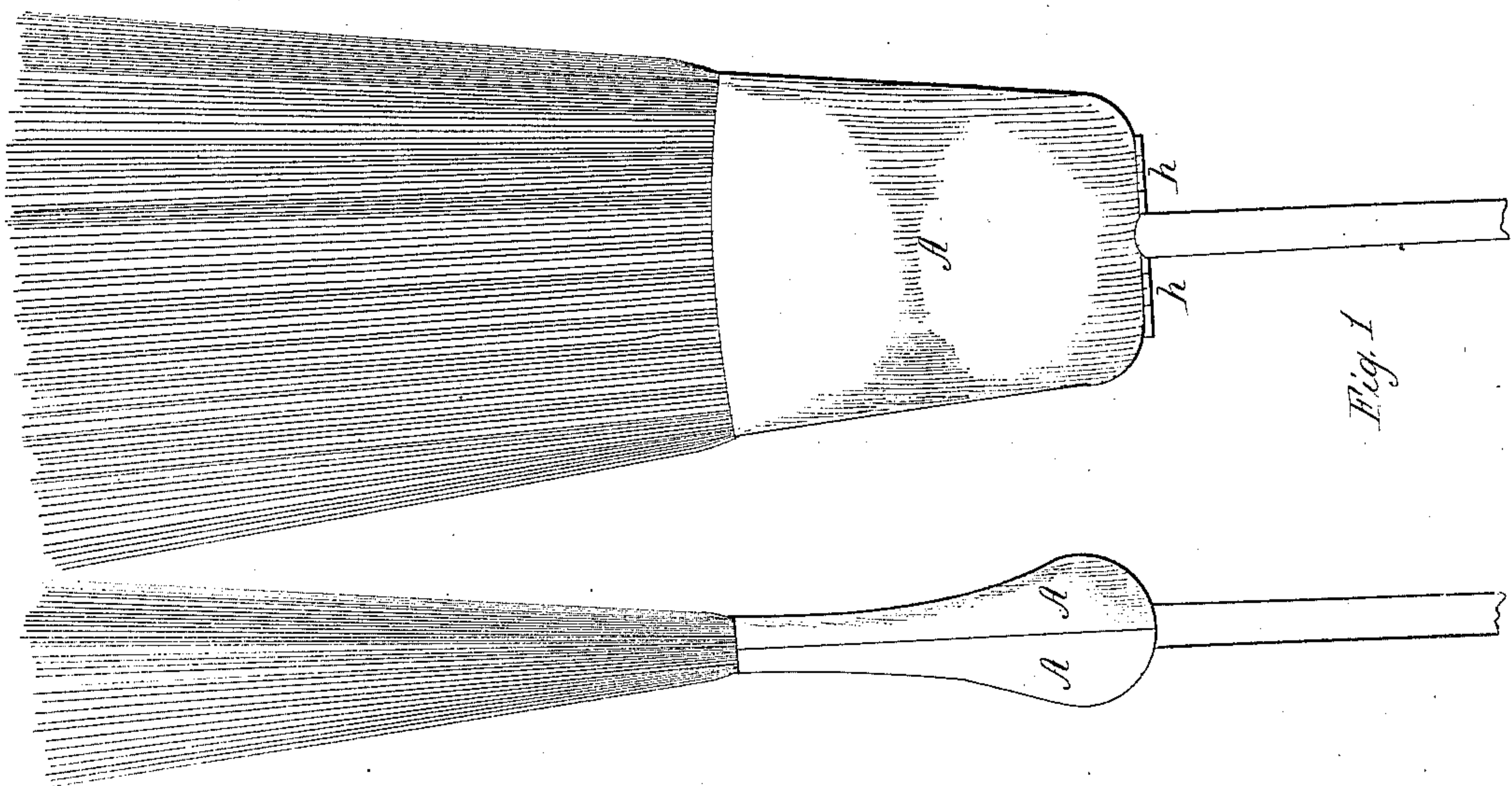


Fig. 1

Witnesses
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UNITED STATES PATENT OFFICE.

ORLANDO LANE CASTLE, OF UPPER ALTON, ILLINOIS.

IMPROVED METALLIC BROOM-HEAD.

Specification forming part of Letters Patent No. 44,515, dated October 4, 1894.

To all whom it may concern:

Be it known that I, ORLANDO LANE CASTLE, of Upper Alton, in the county of Madison and State of Illinois, have invented a new and Improved Metallic Broom-Head for containing and holding fast the broom-straw when used for brooms; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a view of the broom-head when shut. Fig. 2 is a transparent view of the same, and Fig. 3 is a vertical section in the line of B B and C C.

Similar letters of reference indicate corresponding parts in the several figures.

A A is a bivalvular metallic sheath of any desirable shape and size for containing the straw, hinged together at the base by the hinge h, so as to be opened and shut at pleasure, each valve being furnished with a row of teeth, B B, arranged transversely across its inner surface to co-operate in holding fast the straw.

C C are cross-bars for staying the interior edges of the valves, and especially for compressing the straw against the sides and teeth of the opposite valves, A A, respectively.

K is a metallic rod passing longitudinally through the center of the sheath by an orifice, o, at the base, terminating externally in the handle H, and internally passing between the

cross-bars C C when the valves A A are shut, and operating as a key to fasten them firmly together, the said key being held to its place by the action of the spring s, arranged for that purpose.

The operation of the whole is such that when the sheath is opened by withdrawing the key K and the valves A A are filled with the straw and then pressed together the cross-bars C C compress the straw, each against the inner side and teeth of the opposite valve, and as the pressure proceeds finally pass by each other, leaving an aperture between them, into which the key K is thrust, and retained by the spring S, thus forming a strong, compact, and useful household implement, which can be replenished with straw at pleasure by repeating the process just described.

Now, what I claim, and desire to secure by Letters Patent, is—

1. The use of a bivalvular hinged metallic sheath for containing the straw, arranged and operating substantially as set forth.

2. The combination of the cross-bars C C with the sheath A A and the key K, applied, arranged, and operating substantially as described, for the purpose set forth.

ORLANDO LANE CASTLE.

Witnesses:

JOHN A. MAXEY,
A. J. DELANO.