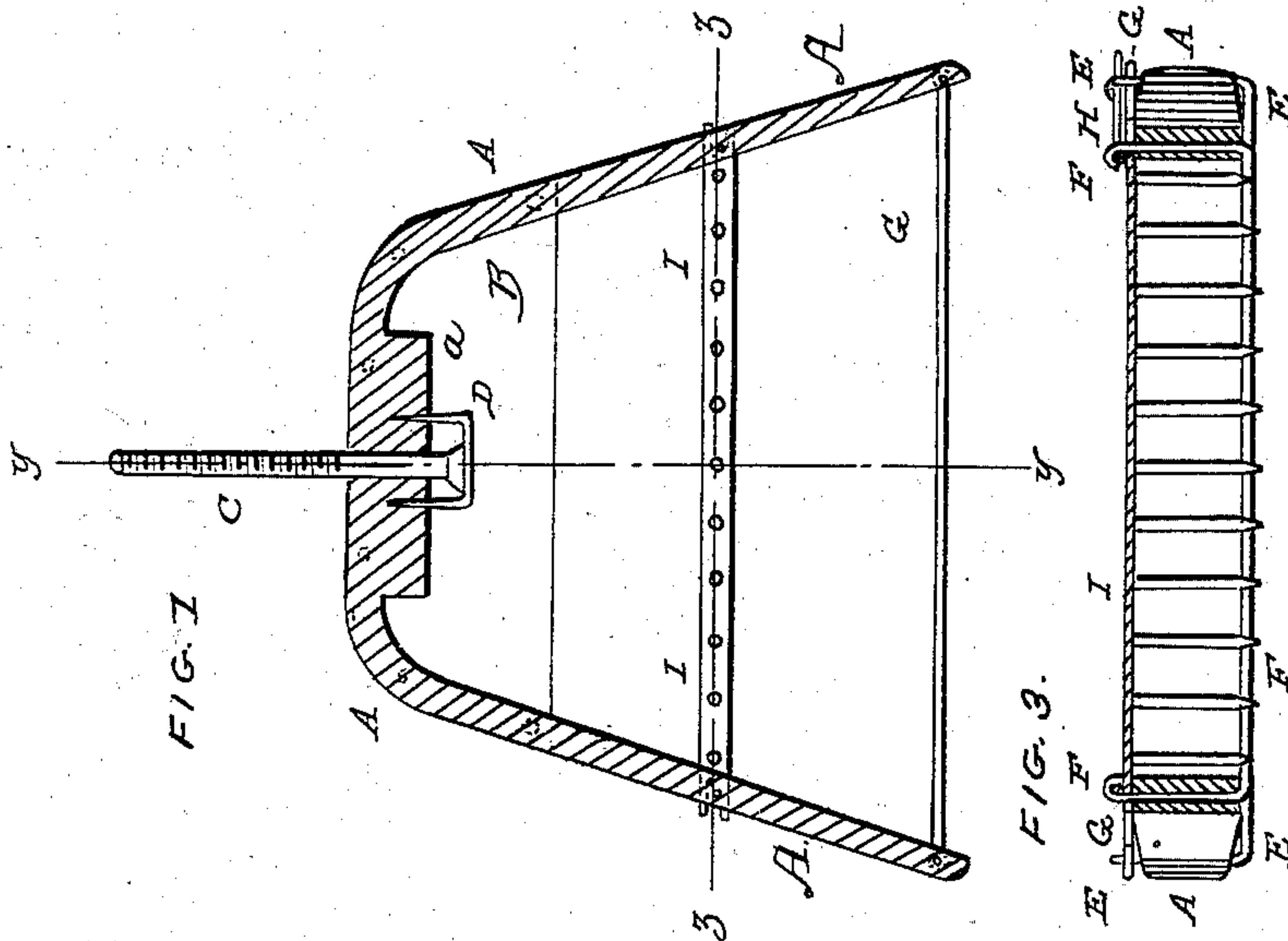
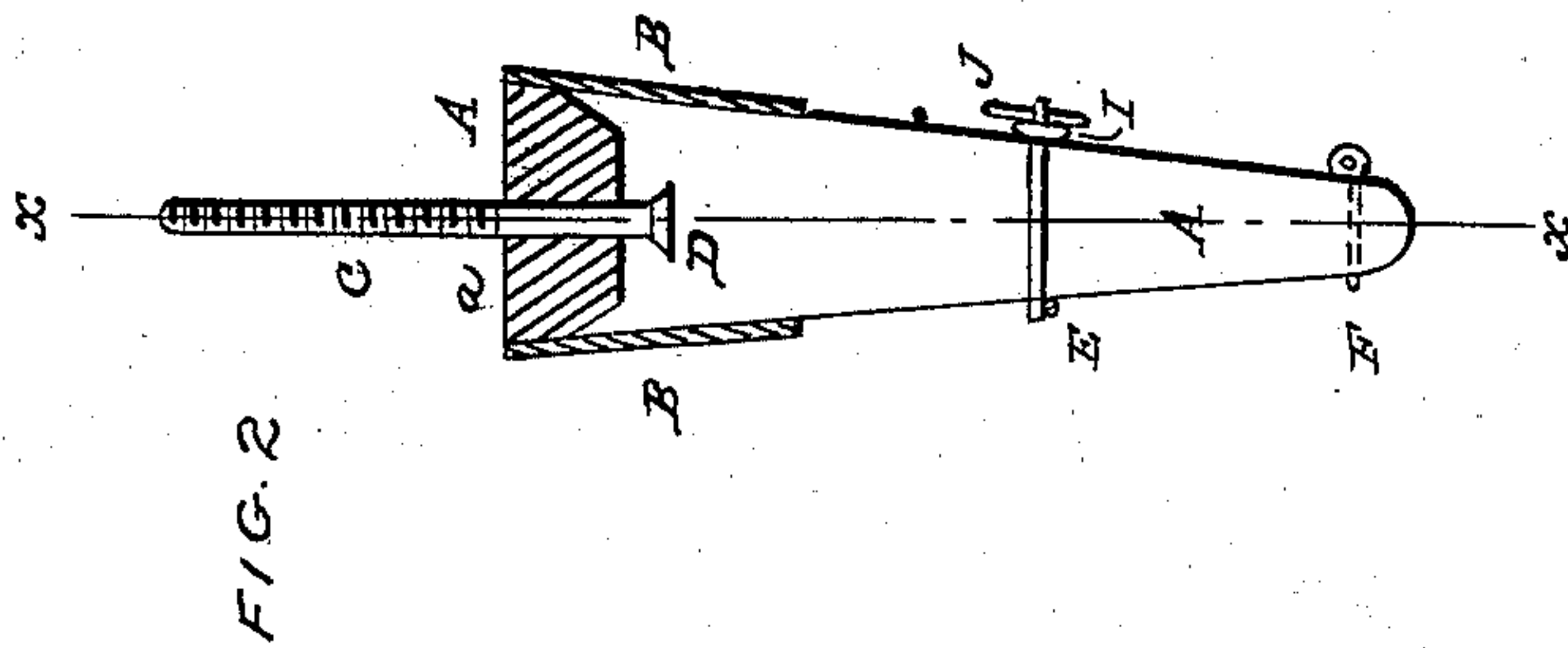


Broom Head.

Patented June 26, 1866.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MARTIN HANELINE, OF CLEAR CREEK, INDIANA.

IMPROVED BROOM-HEAD.

Specification forming part of Letters Patent No. 55,856, dated June 26, 1866.

To all whom it may concern:

Be it known that I, MARTIN HANELINE, of Clear Creek township, Huntington county, State of Indiana, have invented a new and useful Improvement in Broom-Heads; 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 vertical section of my improved broom-head, taken through the line *x x*, Fig. 2. Fig. 2 is a vertical section of the same, taken through the line *y y*, Fig. 1. Fig. 3 is a cross-section of the same, taken through the line *z z*, Fig. 1, looking down.

Similar letters of reference indicate like parts.

My invention has for its object to furnish an improved broom-head, into which the corn to form the broom can be readily inserted or replaced; and it consists, first, of the combination of the metallic plates with the wooden frame of the broom-head; second, in the combination of the toothed and wire bars with the wooden frame, for the purpose of holding the corn in its place; and, third, in the combination of the screw and staple with the wooden frame, for the purpose of attaching the broom-head to the handles, as hereinafter more fully described.

A is the wooden frame of the broom-head, which is cut out in the form and bent into the shape shown in Fig. 1, in which position it is held by the metallic plates B, securely attached to the edge of the said frame, as shown in Figs. 1 and 2. The block *a'* may be a solid part of the wooden frame A, or it may be a separate piece attached thereto. Its object is to furnish a sufficient support for the screw C, by means of which the broom-head is attached to the handle. The screw C is kept from turning while the handle is being screwed on by the staple D, which secures the head of

the screw to the block *a'*. The wooden frame A and metallic plates B form a receptacle or chamber for the reception of the ends of the corn of which the broom is to be made. At the center and lower part of the broom-head the corn is kept in place by two wires, E and F, passing across the broom-head between the arms of the wooden frame A. The ends of these wires are bent at right angles and passed through the said arms of the wooden frame, and are then bent so as to form eyes. To one of the eyes of the lower wire, E, is hinged a rod or bar, G, the other end of which is bent into an eye and passed over the eye formed on the end of the wire E, in which position it is secured by a key, H, as hereinafter described.

I is a toothed bar, the teeth of which are of such a length as to about reach through the brush of the broom. The ends of the bar I are slotted, said slots passing over the eyes formed on the ends of the wire F, in which position it is secured at one end by a short key, J, and at the other end by a long key, H, which also passes through the eye formed on the end of the wire E, as shown in Fig. 3. In filling the broom-head the toothed bar I and rod G are removed, the corn inserted, the bar I and rod G put back and keyed into their places, and the broom is completed.

I claim as new and desire to secure by Letters Patent—

1. The wooden frame A and the metallic plates B, constructed and combined substantially as described, and for the purpose set forth.

2. The combination of the screw C and staple D with each other and with the wooden frame A, substantially as described, and for the purpose set forth.

MARTIN HANELINE.

Witnesses:

JOHN B. COLLINS,
A. W. DE LONG.