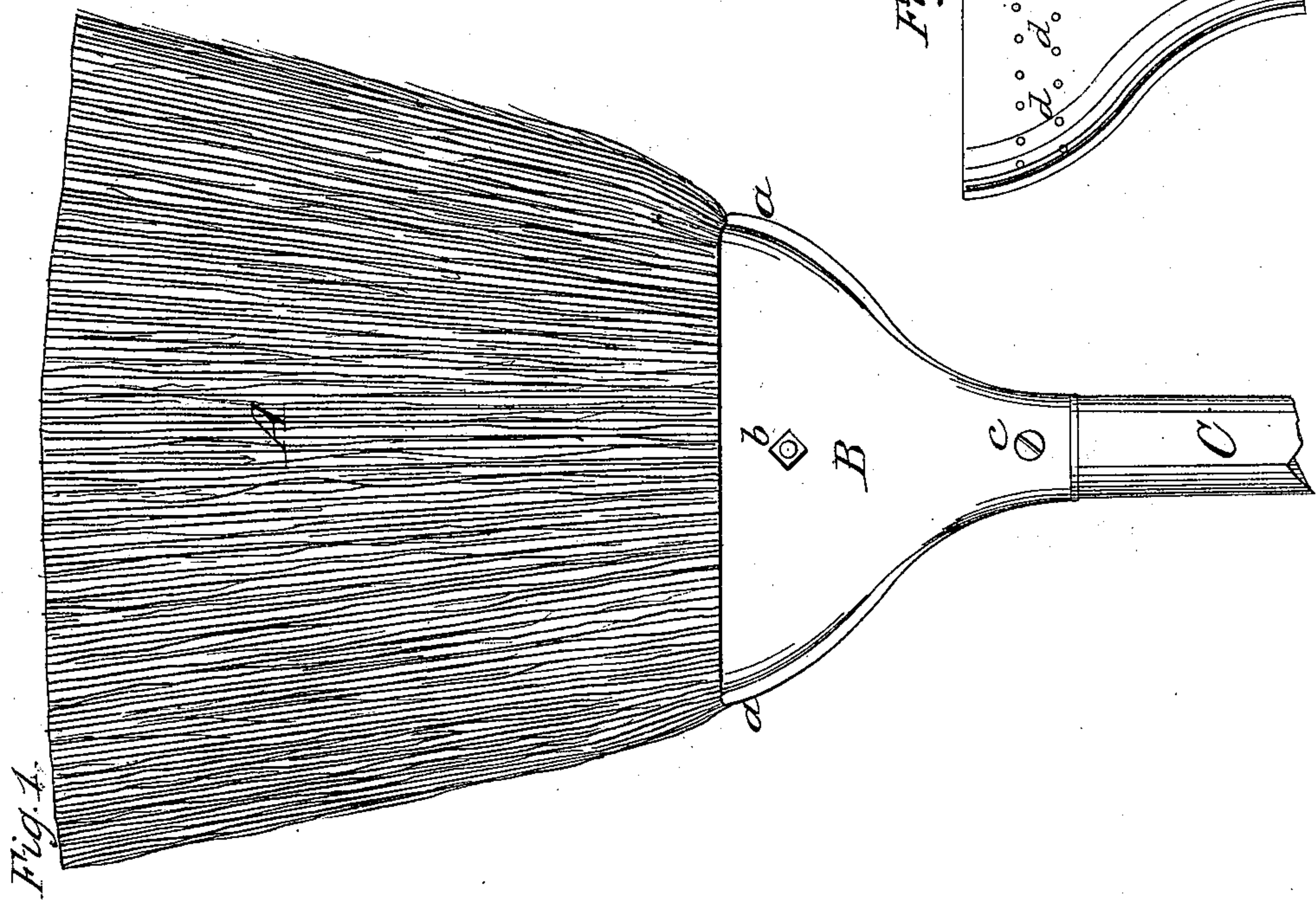
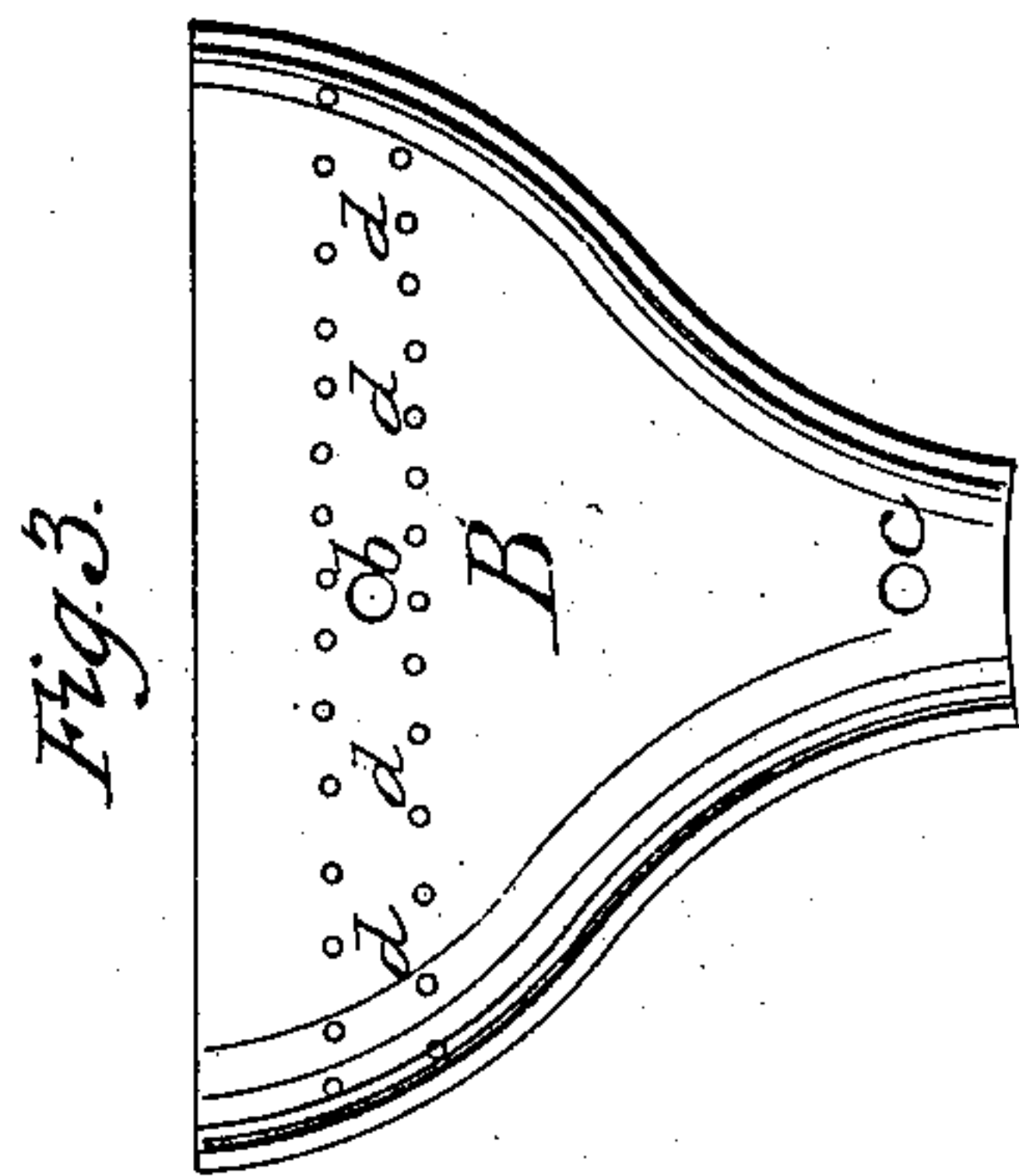
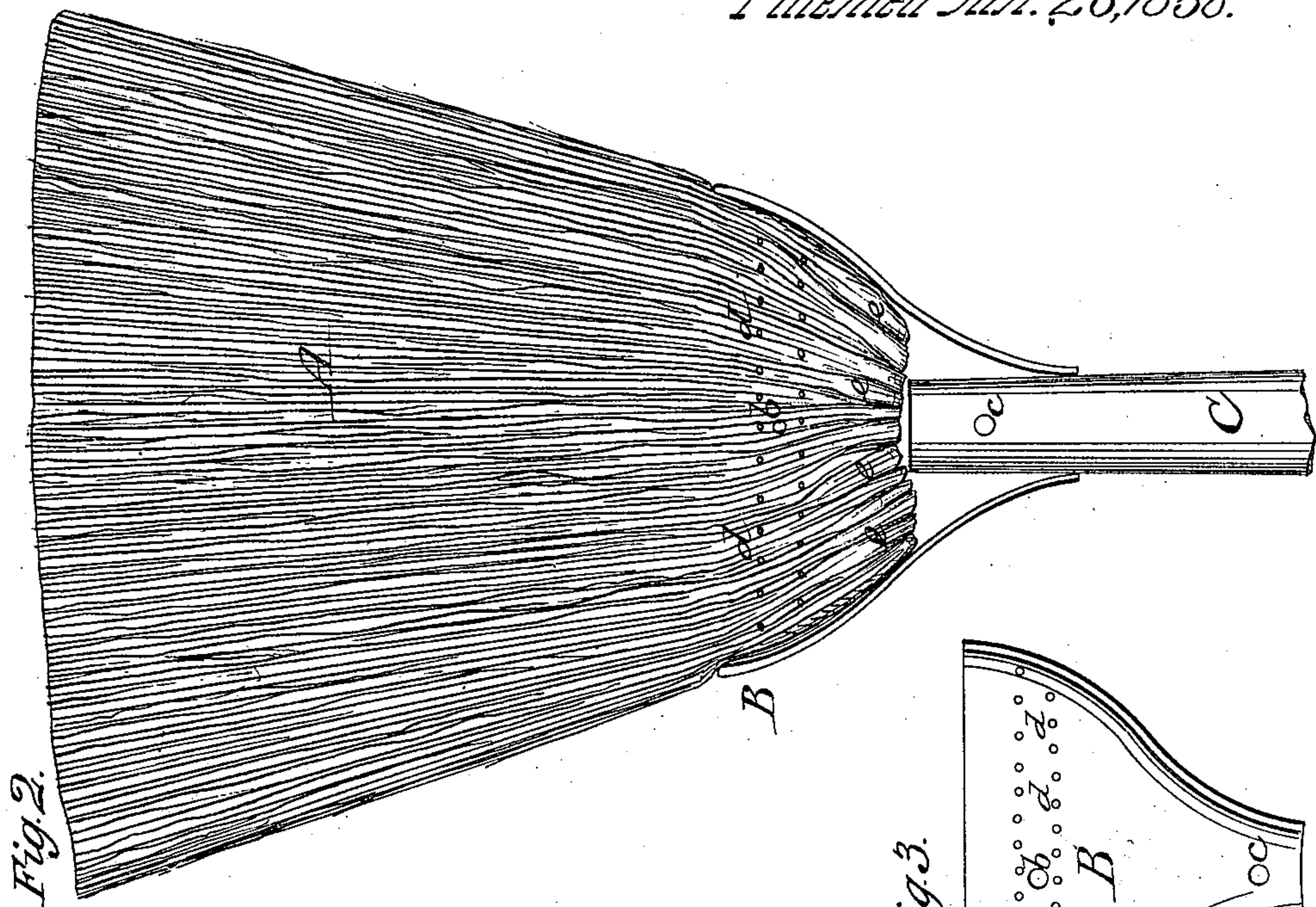


T. Floyd.
Making Brooms.

N^o 19,190.

Patented Jan. 26, 1868.



UNITED STATES PATENT OFFICE.

THOMAS FLOYD, OF CHAMBERSBURG, PENNSYLVANIA, ASSIGNOR TO HIMSELF, DANL. K. WUNDERLICH, AND BENJ. F. NEAD, OF SAME PLACE.

ART OF MAKING BROOMS.

Specification of Letters Patent No. 19,190, dated January 26, 1858.

To all whom it may concern:

Be it known that I, THOMAS FLOYD, of Chambersburg, Franklin county, and State of Pennsylvania, have invented a new and
5 useful Improvement in the Mode of Making Brooms; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters
10 of reference marked thereon, in which—

Figure 1, is a plan view of the broom complete. Fig. 2 is a plan view of one half of the broom showing how the material is placed in it. Fig. 3, is a plan view of one
15 of the clamp plates without the material, or handle.

The nature of my invention consists in making brooms and brushes by the use of the clamp plate, as hereinafter described.

20 To enable others skilled in the art to make and use my invention I will proceed to describe its construction, and operation.

In the construction of my invention Fig. 1 A is the broom, B the clamp plate, C the
25 handle, *a* the edge of the lower clamp plate which projects a little over the edge of the other clamp plate, *b*, the screw with nut for screwing the plates together and compressing the corn or other material out of which
30 the broom or brush is made. *c* the screw for fastening the handle in the clamp plate.

In Fig. 2 A the broom B the clamp plate C the handle *d* the sharp points cast on the inner side of the clamp plate which are for
35 holding the material in place, as it passes through the same *e* the strips of broom corn as laid in the one half of the clamp plate *c* the screw for attaching the handle.

40 In Fig. 3, B the clamp plate showing the inside of it, *c* the screw hole for attaching the handle *d* the sharp points, *b* the screw for fastening the plates together when filled with the material used.

In the operation of my invention I cast

the clamp plates of iron or any other suitable material. The plates are cast with
45 teeth or sharp points (*d*) in rows on the inside of the plates. The plates are in two halves each broom requiring two plates the one a little longer than the other so that it
50 may be allowed to press tightly on the material at pleasure. The broom corn or other material used, is pressed into the half plates which are laid with the teeth, or points up, causing the points to pass through the material
55 until a sufficient quantity is placed in the two plates, they are then brought together and by means of the bolt screw (*b*) firmly compressing the material together, and drawing the clamps also together and
60 thus causing the points to pass through the material and thereby preventing the material from slipping out the handle is then inserted and screws are inserted through the plates fastening the handle to them. By
65 this arrangement I am enabled to make a much more durable and cheap broom and with a great deal more facility than any of the known methods of making brooms and
70 brushes.

Having thus described the construction and operation of my invention I do not claim clamp plates stamped up of sheet metal as this is not new.

What I claim as new is—

75 The cast metallic clamp plates B, with points (*d*) between which is placed, and compressed the material used, by means of the bolt and screw (*b*), which passes through the plates, and material and which
80 is firmly secured by means of said bolt and screw, as described and for the purpose of making brooms or brushes without sewing as set forth.

THOMAS FLOYD.

Witnesses:

W. BLAIR GILMORE,
GEORGE BICKLEY.