

(No Model.)

A. BIESEN.
BUCKLE.

No. 436,167.

Patented Sept. 9, 1890.

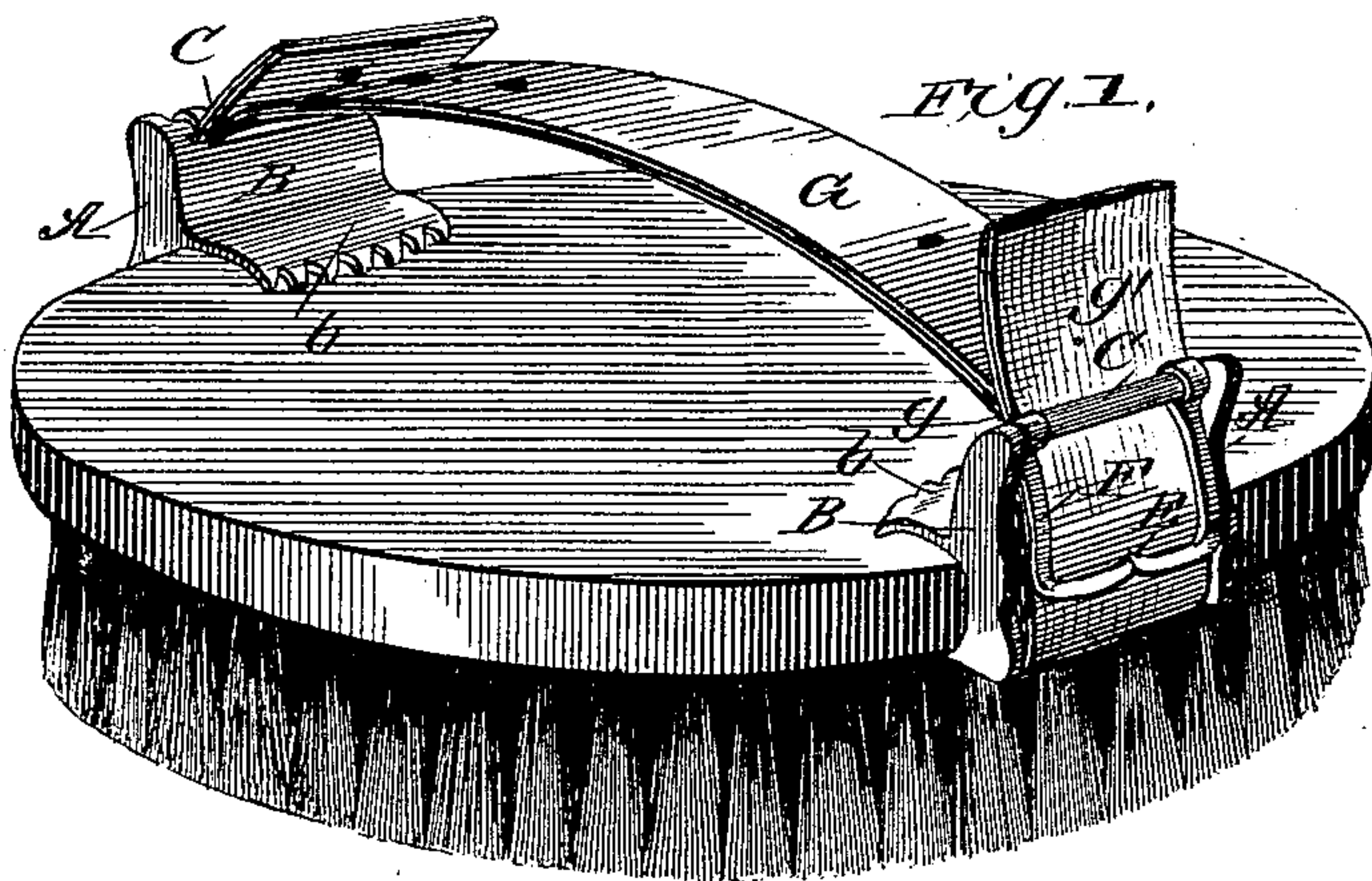


Fig. 2.

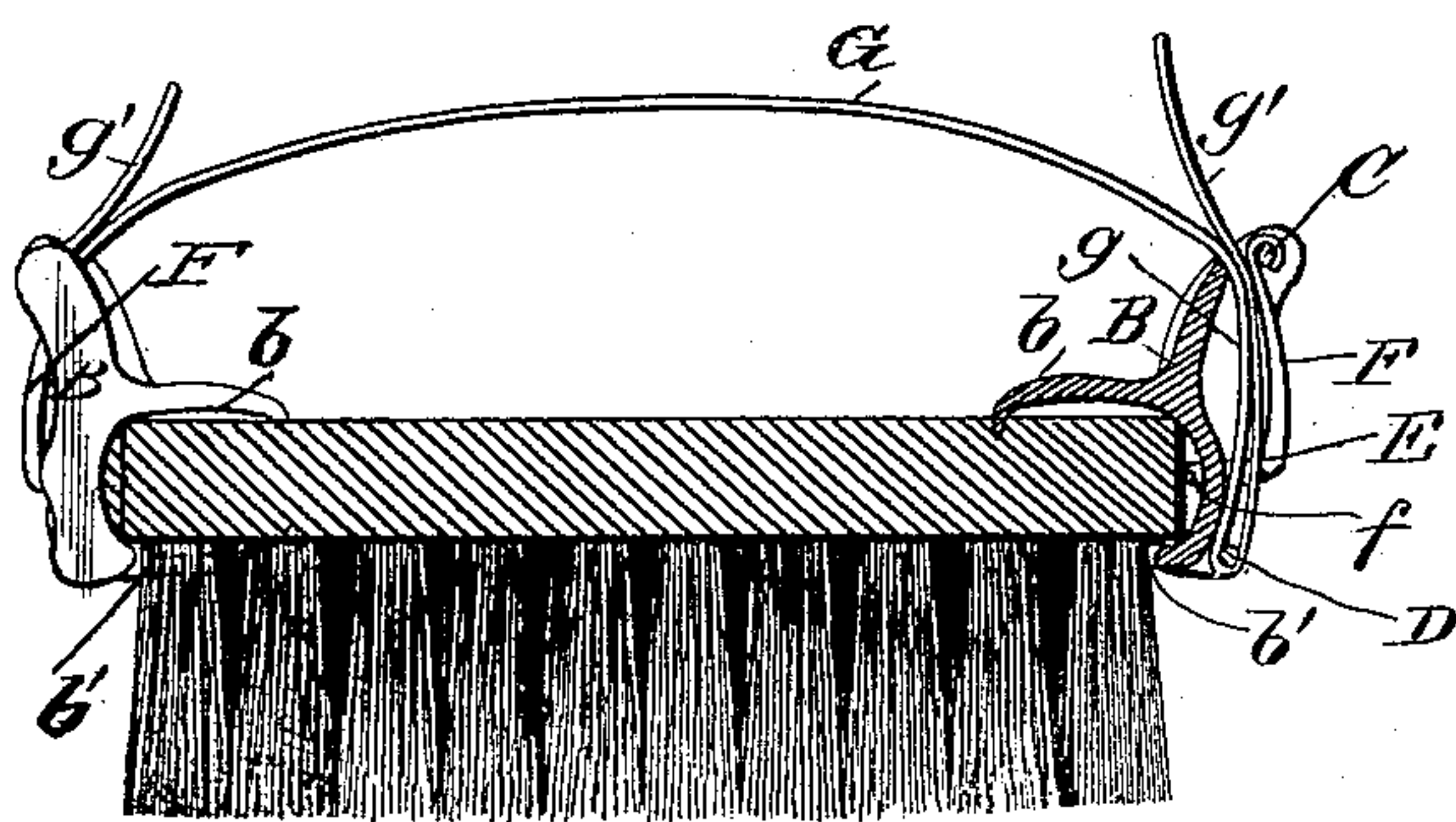


Fig. 3.

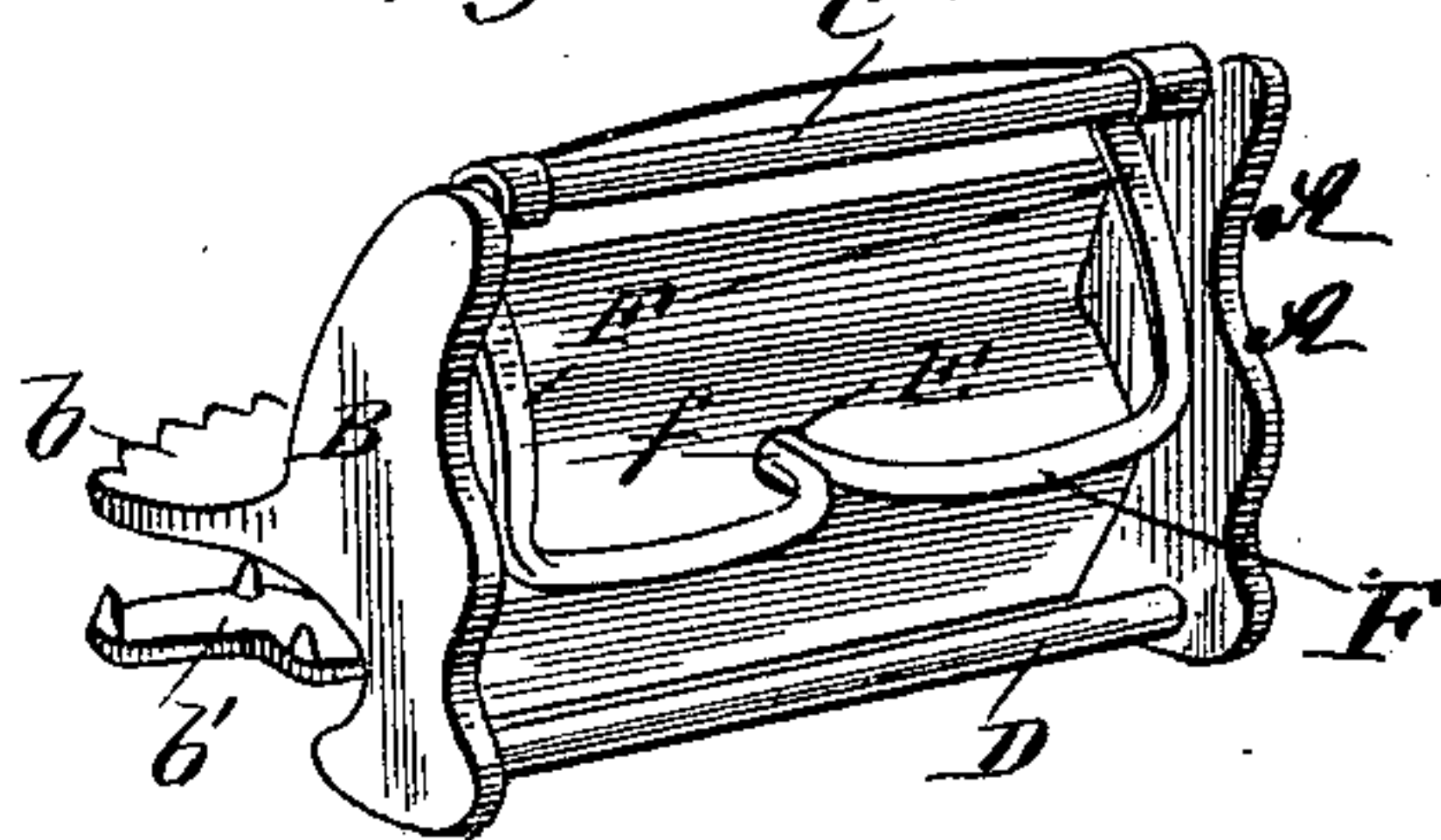


Fig. 4.

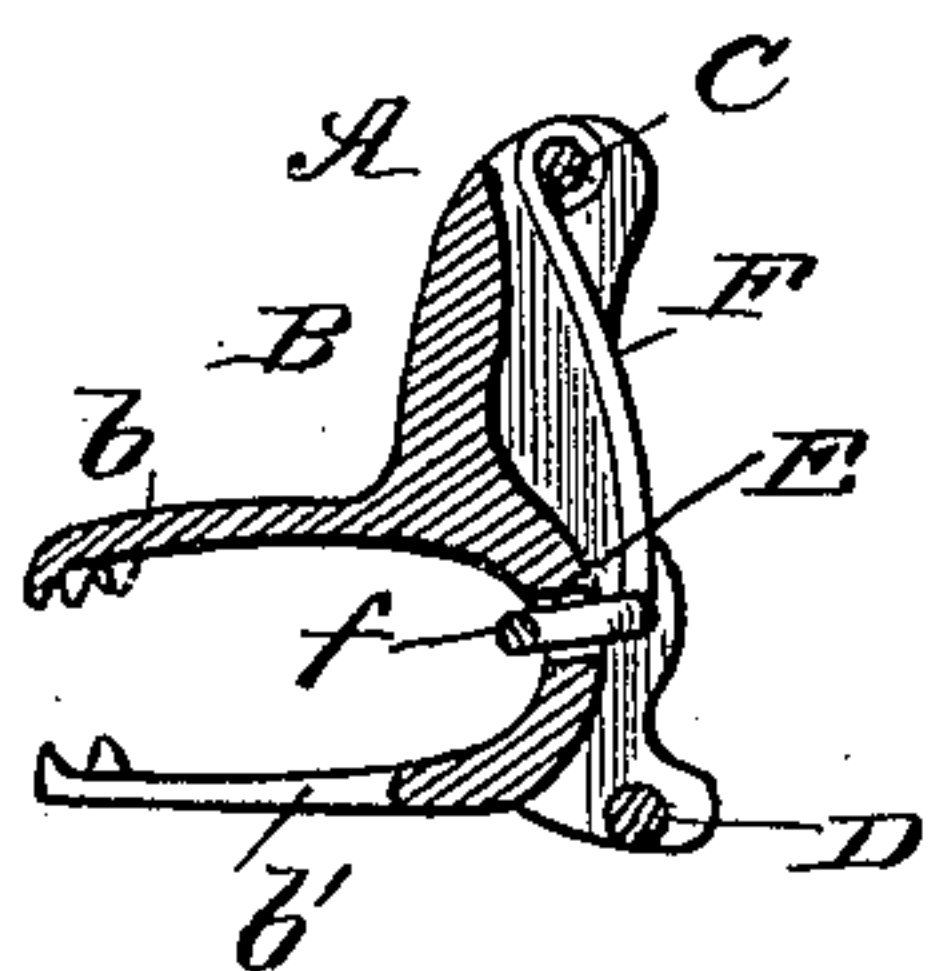
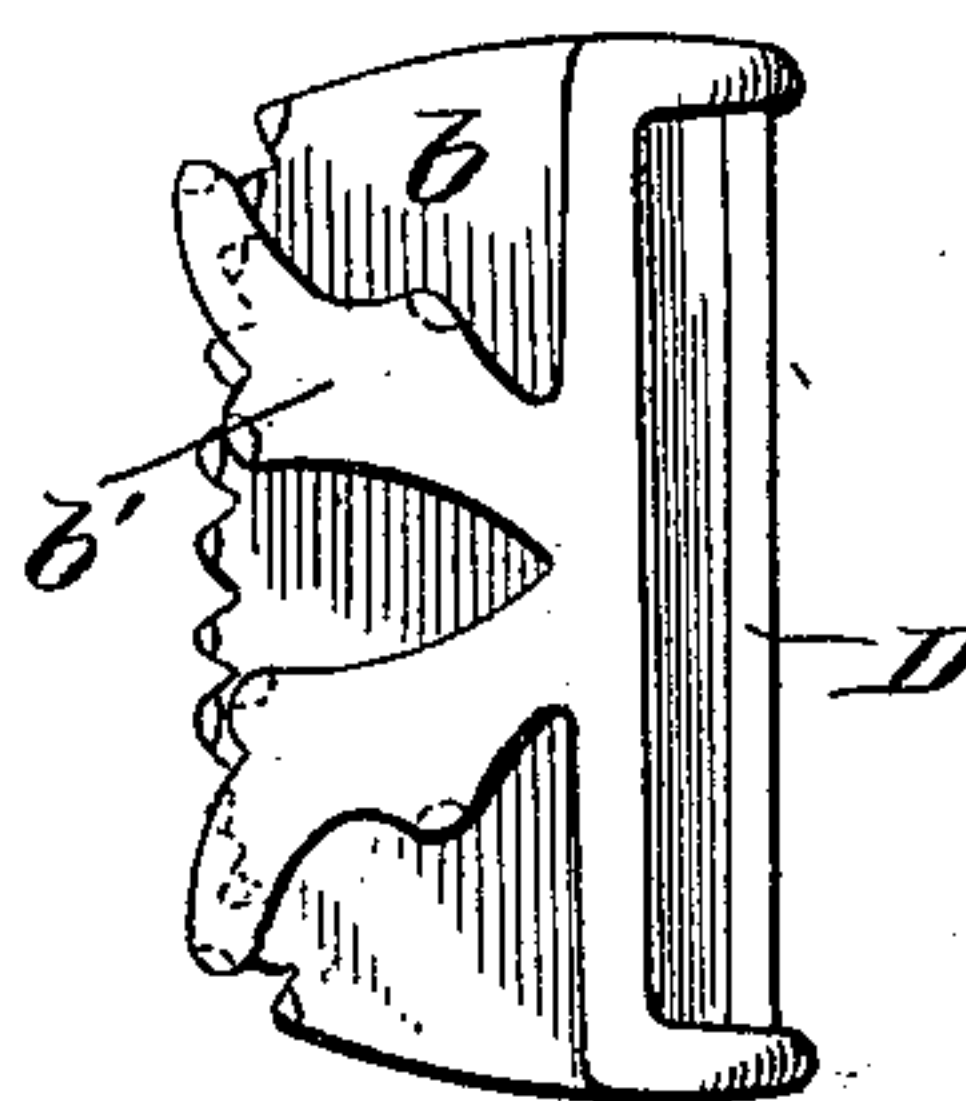


Fig. 5.



WITNESSES:

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ANTHONY BIESEN, OF HULL, IOWA.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 436,167, dated September 9, 1890.

Application filed January 22, 1890. Serial No. 337,758. (No model.)

To all whom it may concern:

Be it known that I, ANTHONY BIESEN, of Hull, in the county of Sioux and State of Iowa, have invented a new and useful Improvement in Buckles, of which the following is a specification.

My invention is an improved buckle, intended especially for application to horse-brushes and the like to enable the adjustment of the strap of such brushes to fit large or small hands.

The invention consists in certain features of construction and novel combinations of parts, as will be hereinafter described and claimed.

In the drawings, Figure 1 shows a brush provided with my improvements. Fig. 2 is a sectional view on about line 2 2 of Fig. 1, showing the edge of the brush, the buckle secured thereto, and the strap held by the buckle. Fig. 3 is a detail perspective view of the buckle with the strap removed, and Figs. 4 and 5 show the buckle in detail.

It is well known that in brushes for cleaning horses and the like the fixed non-adjustable hand-strap is inconvenient for use except on hands to which it is especially fitted, being uncomfortable to larger hands and preventing its efficient use by a boy or other person having a small hand. By my invention I seek to so secure the strap that it can be adjusted by means of a buckle or buckles to fit hands of different sizes; further, to so arrange the securing-buckle that it will not injure the hand, and, further, to construct such buckle so it will be simple, cheap, easily operated, and efficient.

The buckles A are rigidly connected with the brush-block, preferably one at each side, the arrangement of the buckles at the sides of the block avoiding the injury and discomfort to the hand likely to result where the buckle is arranged between the ends of the strap. By preference the buckle is formed with a body or main plate B, which is shown as formed with upper and lower clamping-jaws *b* and *b'*, the jaw *b* being a plate to fit upon the upper side of the brush-block and being formed to provide a smooth bearing for the hand. The jaw *b'* fits under the brush-block, and is formed with narrow arms which

may extend between the tufts of bristles or other material of which the brush is formed, so that the brush material may be extended as nearly to the edge of the brush-block as desired. The buckle is formed with a cross-bar C at the upper edge of the main plate B and with a cross-bar D at the lower edge of the main plate, such bars C and D being referred to as the upper and lower cross-bars. Between these bars C and D the plate B is preferably provided with a socket E to receive the point *f* of the tongue F, which has arms or a bail-like portion pivoted to bar C, so that the tongue may be adjusted into or out of its socket.

Manifestly the buckle may be used on any kind of brush that is held by a hand-strap, whether the brush-block be of metal, wood, bone, horn, leather, or other material. When the block is made of metal, it is manifest that the buckle might be made integral therewith; but in the brush-blocks of other material the clamping-jaws, with their teeth to bite into the block, will be found useful and important. It is also manifest that the straps and buckles could be made and sold independent of the brushes, and that when a brush is worn out its buckle and strap may be removed and applied to a new brush.

In applying the strap G to the buckle it is passed down under the upper cross-bar, then under the lower cross-bar, and up under the upper cross-bar, the upper bar thus forming a keeper for the free end of the strap, and the tongue being turned down with its point fitting in openings in the inner and outer flaps *g g'* of the strap and extending into the socket of the main plate. It will be noticed that the holes in the strap G are so arranged that when a hole in the outer flap *g'* is in position to receive the point of the tongue a hole in the inner flap *g* is in proper register to also receive the point of the tongue, thus doubly securing the strap.

Manifestly the buckle may be easily released to enable the adjustment of the strap as may be desired.

It is obvious that the strap G may be of any suitable material desired.

It will be understood that the buckle is formed with its clamping-jaws *b b'* sufficiently

apart to receive the edge of the brush-block, which is fitted therebetween, and the jaws are hammered or otherwise pressed together upon the brush-block.

5 Having thus described my invention, what I claim as new is—

1. The improved device for securing hand-
straps to brush-blocks, substantially as herein
described, consisting of the main frame or
10 portion provided at one end with jaws *b b'*,
made integral with the main frame and with
each other and adapted to clamp the edges of
the brush-block, and the buckle-frame *F* pivot-
ally connected at one end with the main
15 frame, at the end of the main frame opposite
jaws *b b'*, the buckle-frame being constructed
and adapted to secure the hand-strap between
the pivoted end of frame *F* and the jaws *b b'*,
all substantially as described, and for the
20 purposes set forth.

2. The improved buckle having its main
plate provided with an upper cross-bar, a
lower cross-bar, and with a socket between
such cross-bars, and having the tongue piv-
25 oted to the upper cross-bar, and provided with
a point adapted to enter the socket of the
main plate, and provided with the jaws for

clamping it to the brush, substantially as set
forth.

3. The improved buckle herein described, 30
consisting of the main plate *B*, having clamp-
ing-jaws *b b'*, socket *E*, and cross-bars *C* and
D on opposite sides of said socket, and the
tongue *F*, pivoted to cross-bar *C* and having
its point *f* arranged to move into and out of 35
the socket *G*, all substantially as and for the
purposes set forth.

4. As an improved article of manufacture,
the device herein described for securing hand-
straps to brush-blocks, consisting of the main 40
frame formed with jaws *b b'*, arranged at
right angles to the main portion or plate of
the frame and adapted to clamp between them
the opposite faces of the brush-block, and
with the plate extended from the said jaws 45
and at right angles thereto, and the fastening
devices for securing the hand-strap to said
plate or main portion of the device, all sub-
stantially as and for the purposes set forth.

ANTHONY BIESEN.

Witnesses:

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