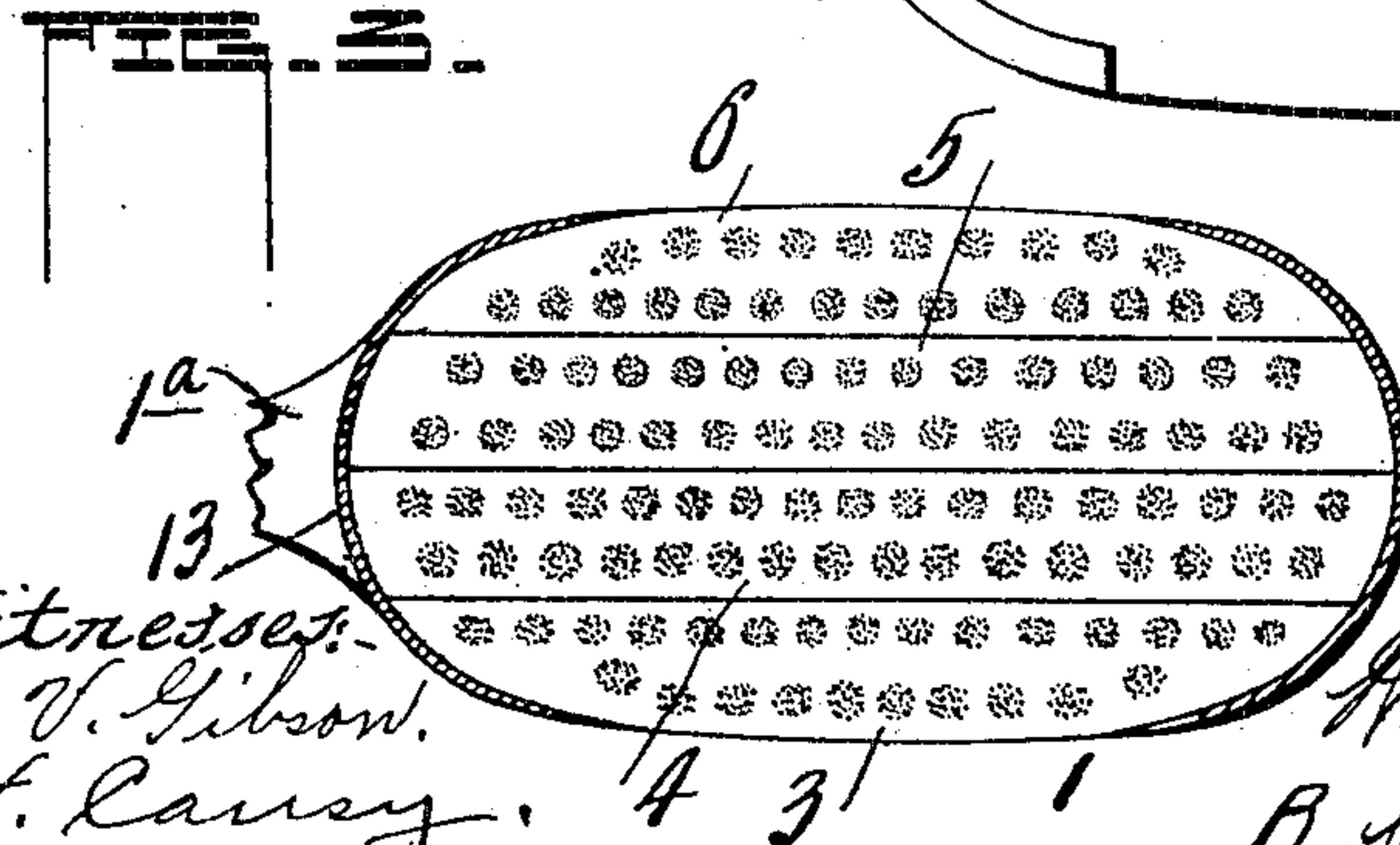
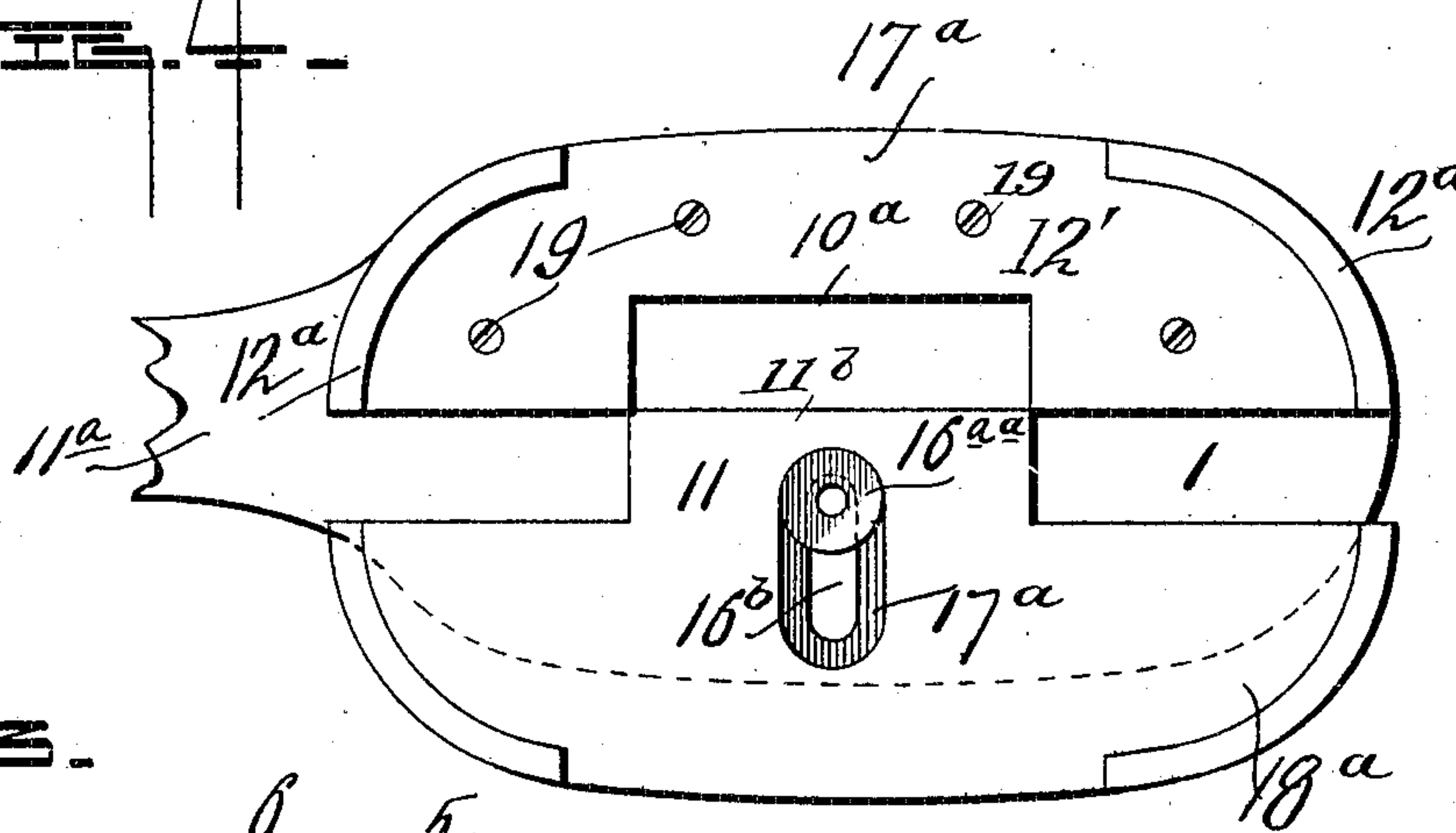
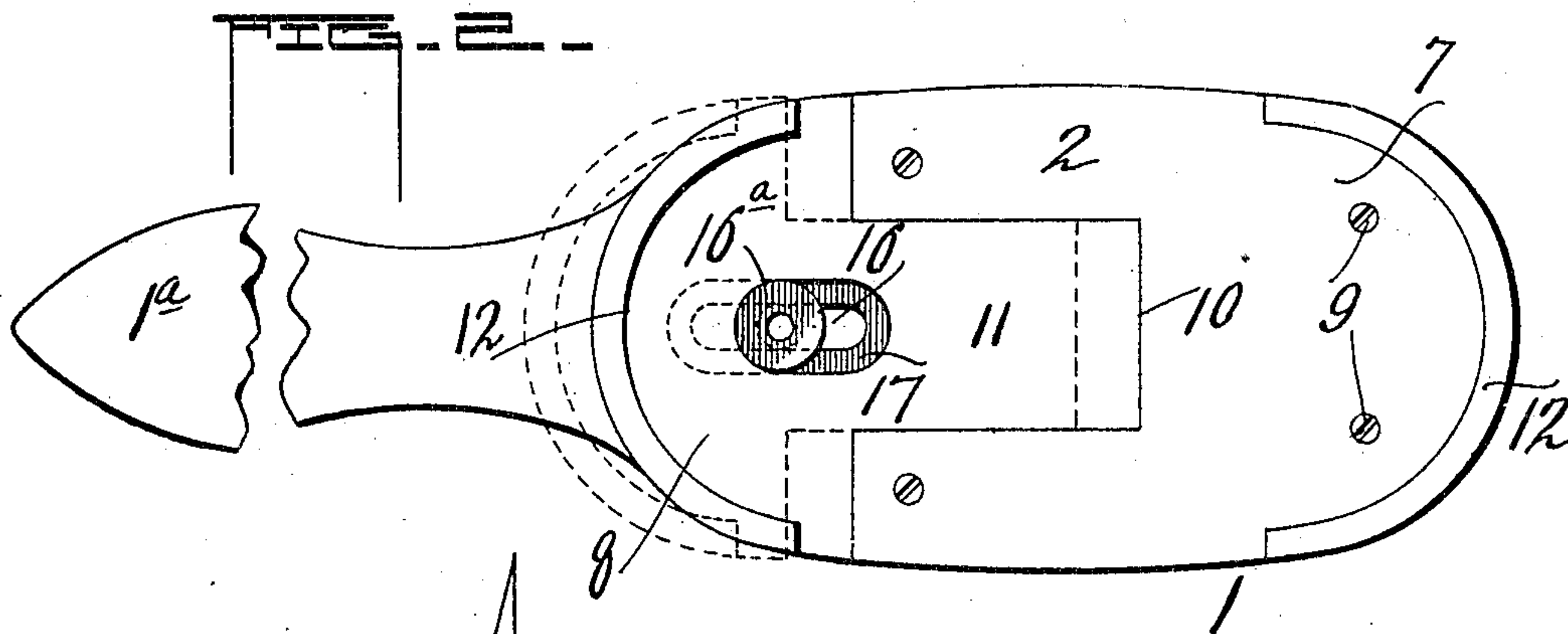
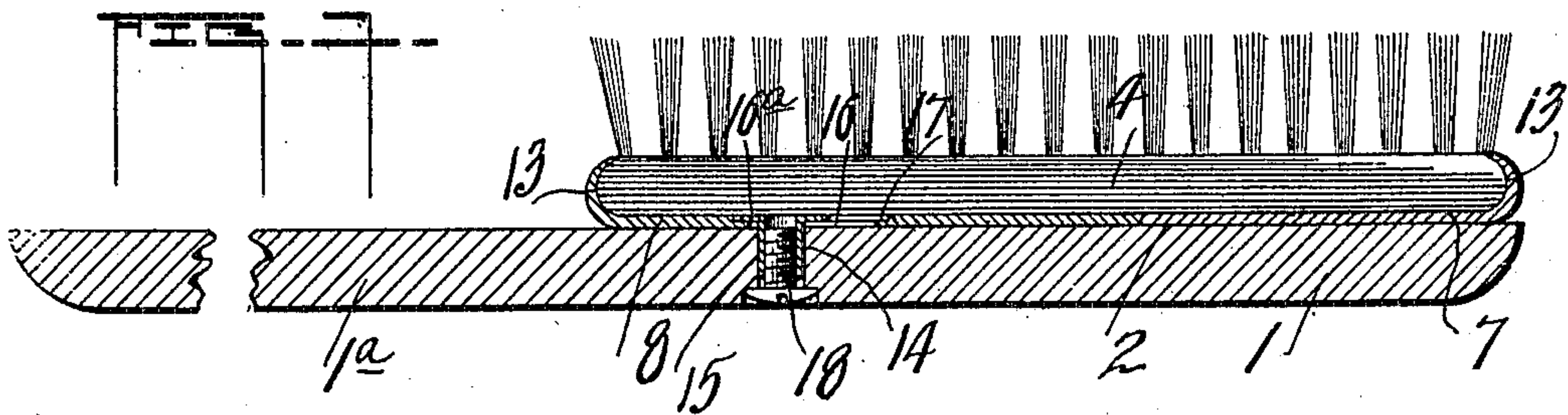


No. 837,523.

PATENTED DEC. 4, 1906.

J. & W. H. WAMBSGANS.
BRUSH.

APPLICATION FILED JAN. 30, 1905.



Witnesses:
H. V. Gibson.
H. Lancy.

Inventors.
Jacob Wambsgans.
William H. Wambsgans.
By Charles LaPorte Att'y.

UNITED STATES PATENT OFFICE.

JACOB WAMBSGANS AND WILLIAM H. WAMBSGANS, OF PEORIA,
ILLINOIS.

BRUSH.

No. 837,523.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed January 30, 1905. Serial No. 243,253.

To all whom it may concern:

Be it known that we, JACOB WAMBSGANS and WILLIAM H. WAMBSGANS, citizens of the United States, residing at Peoria, in the
5 county of Peoria and State of Illinois, have invented certain new and useful Improvements in Brushes; and we do hereby declare that the following is a full, clear, and exact
10 description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention has reference to new and useful improvements in brushes; and has for its object to provide a series of independently-
15 removable bristle-strips and a retainer for the said strips consisting of two interlocking plates—one fixed to the back of the brush and the other slidably attached thereto.

The invention comprises a back and a handle portion integral therewith, a retainer attached to the said back formed with oval ends having intumed or overhanging lips, the said retainer made in two sections, one
20 telescoping into the other, means for locking the telescoping section when adjusted, and a series of bristle-strips formed with curved ends, when together conforming to the contour of the ends of the retainer and adapted to be carried thereby.

30 That the invention may be more fully understood reference is had to the accompanying drawings, in which—

Figure 1 is a vertical longitudinal section through the brush, showing the back and
35 handle portion, also the retainer which supports the bristle-strips, and the manner of locking the movable portion of the retainer when adjusted. Fig. 2 is a plan view of our improved brush, omitting the bristle-strips
40 and showing the bristle-strip retainer in locked relation in full lines and open in dotted lines. Fig. 3 is a plan, greatly reduced, of the brush, showing the bristle-strips locked in position in the retainer and the
45 overhanging edge in section to show the contour of the ends of said retainer and bristle-strips and how compactly they fit together; and Fig. 4 is a plan similar to Fig. 2, but showing a modified form of retainer—that is,
50 the retainer instead of being separable longitudinally is separable transversely.

Like numerals of reference indicate corresponding parts throughout the figures.

In the drawings, 1 indicates a brush-back,

and 1^a an extended handle portion integral therewith, both of which may be of any suitable design. 55

To the back 1 is attached what is here termed a “retainer” 2, for its office is to retain a series of detachable and independently-
60 removable bristle-strips 3, 4, 5, and 6 or a backing of one or more pieces to which bristles or brush portions are attached. This retainer consists, preferably, of two parts 7 and 8, the former fixedly attached to the
65 back 1 by the screws 9 or some other means and has the slotted or cut-out portion 10. The part 8 is a movable part having the extension 11, having an interlocking or telescoping connection with the cut-out portion
70 10 of the part 7. The ends of the parts 7 and 8 are duplicates formed in oval shape and provided with the intumed or overhanging lips 12, which extend part way around the
75 sides of the said plates and provided with the semicircular grooves or seats 13 for the reception of the ends of the strips 3, 4, 5, and 6. The means by which the part 8 is fixedly held after adjustment and which also retains
80 the said part slidable on the back comprises a tubular stud 14, secured in an opening 15 through the back 1, the tubular stud passing through an elongated slot 16 in the part 8 and formed with the head or disk 16^a at its
85 upper end, seated in a depression or groove 17, encircling and conforming to the slot 16, and 18 is a screw which engages with a threaded portion of the stud 14 and having its head when in position countersunk in the
90 back 1 of the brush.

The strips 3 and 6 and 4 and 5 are duplicates and may be fitted in the retainer, as seen in Fig. 3, or transposed, as they are designed to fit either way. The ends of each strip are curved in the manner shown, so that
95 when fitted together the ends fit snugly the groove or seats at the ends of the retainer. To remove the strips, the screw 18 is detached from the stud 14, when the part 8 may be moved outwardly toward the end of
100 the handle portion 1^a, as shown in dotted lines in Fig. 2, when the strips may be removed. To replace the said strips, the reverse of the movements just described retains them snugly in the retainer. 105

In Fig. 4 is shown a brush wherein is employed a retainer adapted to be separated lengthwise. The back is here indicated as

11, having the extended handle portion 11^a, and the retainer for the bristle-strips, corresponding to that heretofore indicated as 2, is designated as 12', comprising the parts 17^a and 18^a, the part 17^a being fixedly attached to the back by screws 19 and is provided with the cut-out portion 10^a. The part 18^a is adapted to be moved sidewise on the back 11 for separating the parts of the retainer lengthwise, and the part 18^a has the extension 11^b adapted to have an interlocking or telescoping connection with the cut-out portion 10^a of the part 17^a.

The ends of the parts 17^a and 18^a have the matching overhanging portions 12^a, similar to those indicated as 12, and the means by which the part 18^a is fixedly after adjustment and which also retains the said part slidable on the back, is in all respects similar to the means shown in Figs. 1 and 2, comprising the stud having the head 16^{aa}, the slot 16^b in the part 18^a, through which the stud projects, and the groove 17^a, in which the head 16^{aa} is seated and moves.

We do not desire to be limited to the mode of uniting the parts of the bristle-strip retainer nor to the particular mode of separating the same, as it is obvious that various changes may be made without departing from the scope of the invention herein.

What we claim is—

1. In a device of the class described, the combination of a brush, consisting of a back and a handle portion integral therewith, a retainer secured to the back aforesaid made in two sections, one fixed and the other slidable thereon, one or more bristle-strips adapted to be secured in the said retainer, and means for fixing the slidable section of the retainer when retaining the said bristle-strips.

2. In a device of the class described, the combination of a brush, consisting of a back and a handle portion integral therewith, a retainer secured to the back aforesaid made in sections, one section fixed to the back, and the other slidable thereon and adapted to have a telescopic connection with the fixed section, one or more bristle-strips adapted to be secured in the said retainer, and means for fixing the slidable section of the retainer when retaining the said bristle-strips.

3. In a device of the class described, the combination of a brush, consisting of a back and a handle portion integral therewith, a retainer secured to the back aforesaid made in two sections each of which have oval ends provided with inturned overhanging portions, one section fixed and the other slidably attached to the said back, one or more bristle-strips adapted to be secured in the said retainer with the ends of the strips detachably retained under the overhanging portions aforesaid, and means for fixing the sliding section.

4. In a device of the class described, the combination of a brush, consisting of a back and a handle portion integral therewith, a retainer secured to the back aforesaid made in two sections each of which have inturned overhanging end portions, one section fixed to the said back, the other section slidable on the back, having a telescopic connection with the fixed section and provided with an elongated slot, means carried through the said slot and back of the brush for retaining the said section slidable on the back or to fix the same when interlocked with the fixed section, and a series of removable bristle-strips adapted to be secured by the said retainer with their ends retained beneath the inturned end portion of the said sections.

5. In a device of the class described, the combination of a brush formed of a back and a handle portion, a retainer secured to the said back made in sections, one section fixed to the back, and the other slidable thereon the said slidable section provided with an elongated slot, a tubular stud carried through the said slot and back of the brush having a head engaging the body of the slidable section, a screw for engaging the stud aforesaid for locking the slidable section, and one or more bristle-strips adapted to have a detachable connection with the said retainer.

In testimony whereof we affix our signatures in presence of two witnesses.

JACOB WAMBSGANS.
WILLIAM H. WAMBSGANS.

Witnesses:

CHAS. W. LA PORTE,
ROBT. N. McCORMICK.