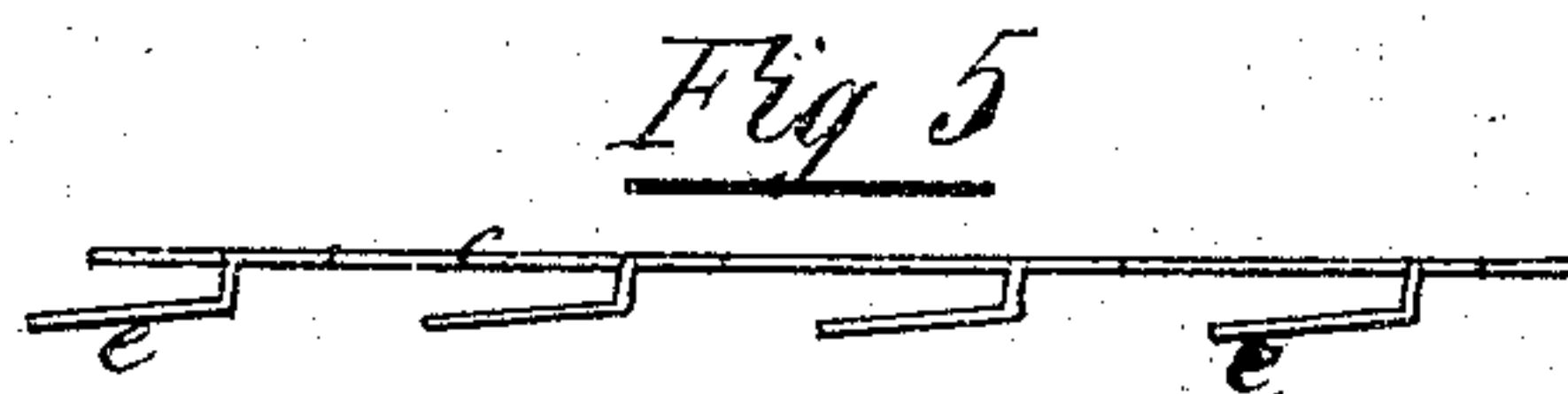
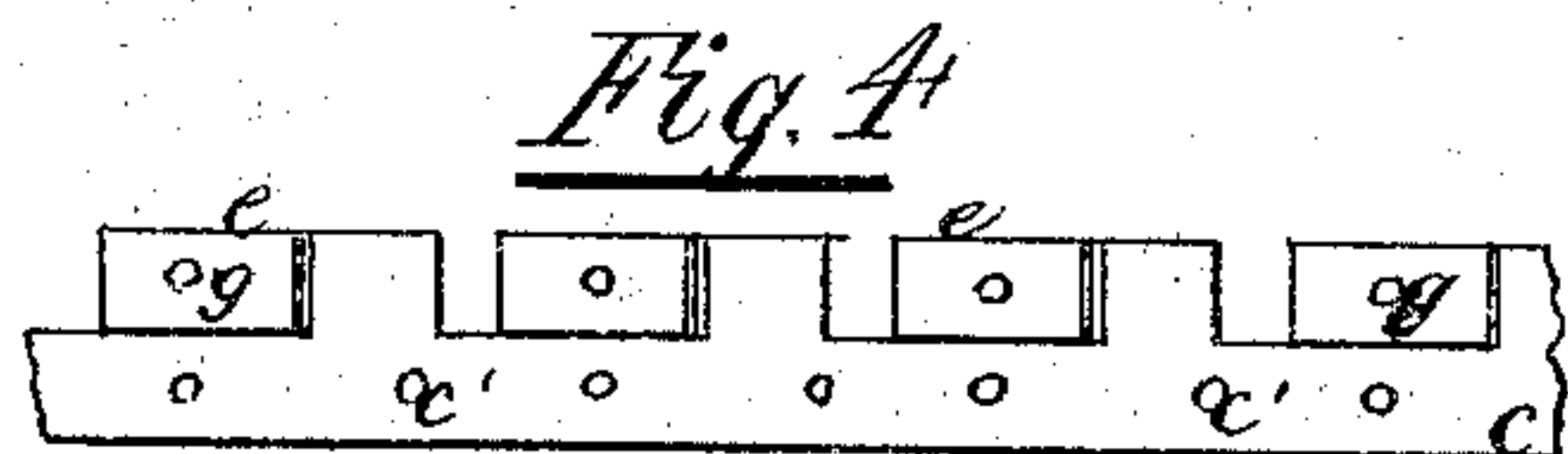
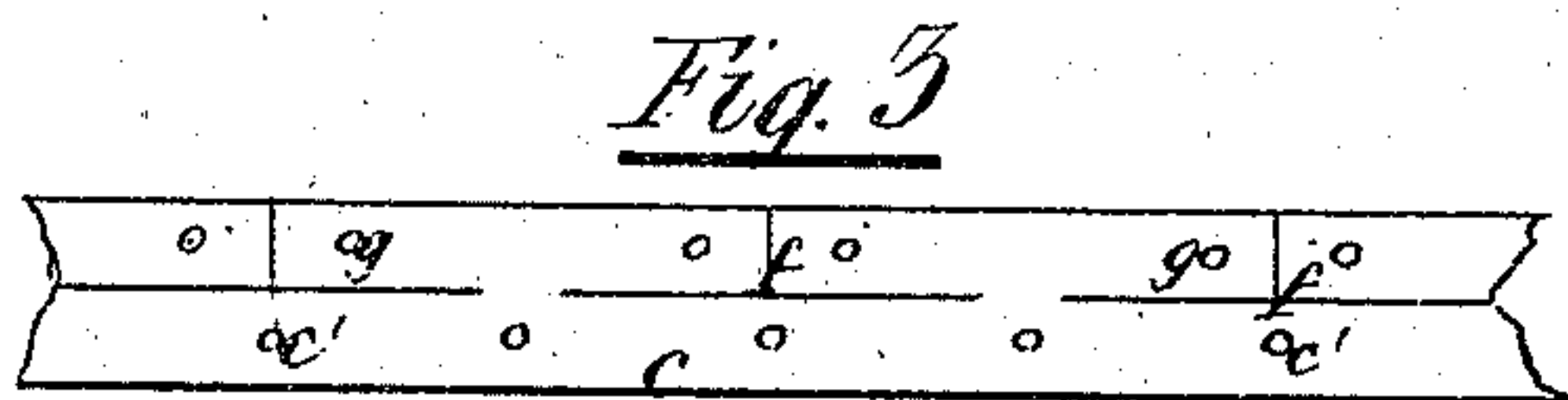
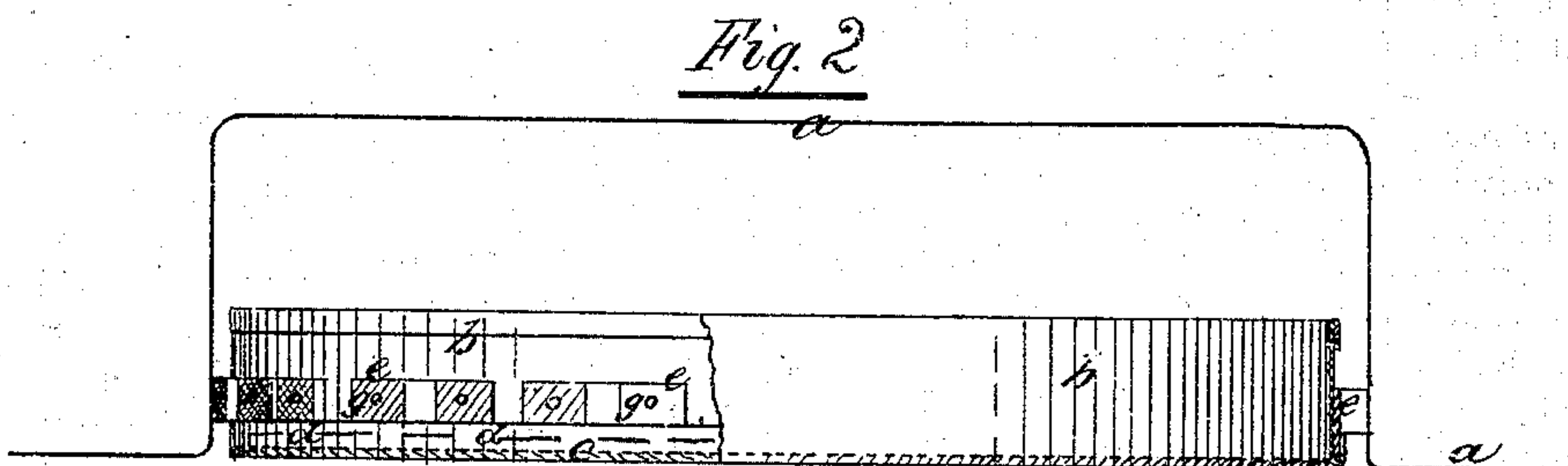
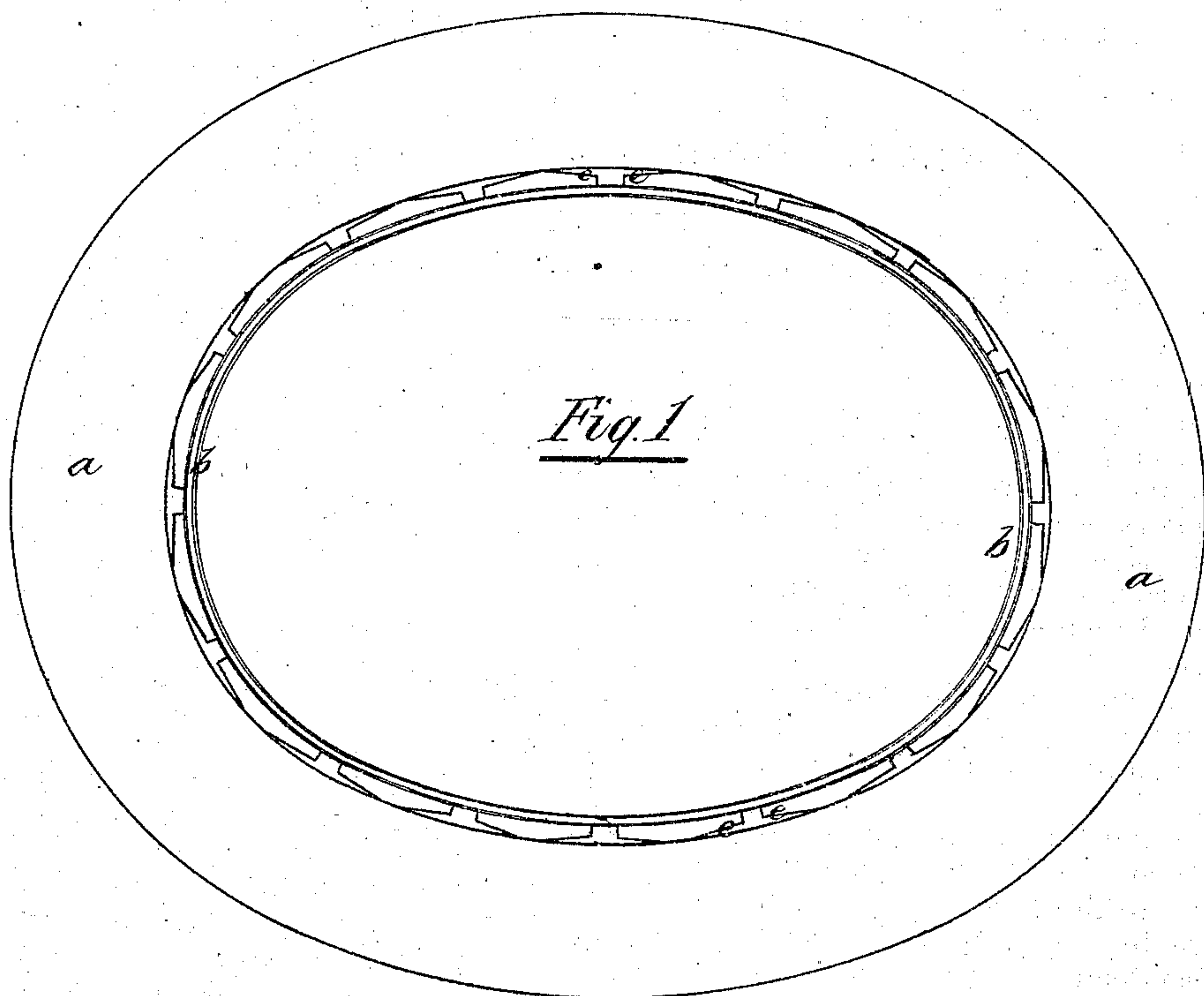


Samuel Beatty's Imp^d Hat Ventilator

117506

PATENTED AUG 1 1871



Witnesses.

Alfred Shedlock
(J. S. Lett)

Samuel Beatty

Inventor.

by T. C. Henderson
Atty.

UNITED STATES PATENT OFFICE.

SAMUEL BEATTY, OF NORWALK, CONNECTICUT.

IMPROVEMENT IN HAT-VENTILATORS.

Specification forming part of Letters Patent No. 117,506, dated August 1, 1871.

To all whom it may concern:

Be it known that I, SAMUEL BEATTY, of Norwalk, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Hat-Ventilators; and I do hereby declare that the following is a full and correct description thereof, reference being had to the annexed drawing and to the letters of reference thereon.

My improvement relates to ventilators interposed between the body of the hat and the sweat to permit circulation of air around the head within the hat.

Heretofore some difficulty has arisen in the application of such ventilators to hats or caps by hatters, owing to the fact that such ventilators are so constructed as to occupy a constant annular space between the sweat and the hat, thus causing the size for the head to be determined by the size of the hat to which the ventilator is applied.

The object of my invention is to produce a ventilator which may be adjusted to the head size, and then attached to a hat, the parts of the ventilator by which it is attached to the hat being free to accommodate themselves to the size and shape of the hat, and thus obviate the difficulty of accurately fitting a ventilator-hat to the head size. My invention consists, first, in constructing the ventilator or narrow flat strip of thin sheet metal, or other suitable material which may be joined at the ends by sewing or riveting, the strips thus joined being of the proper head size for the wearer, and combining with the said strip a suitable number of attaching-pieces, whereby the strip, with the sweat, is attached to the hat, said attaching-pieces being thin elastic pieces of metal or other suitable material, fast at one end to the strip and extending obliquely across the annular space for ventilation between the sweat and the hat to which they are attached by sewing, suitable holes being punched in the ends of the attaching-pieces for that purpose. The attaching-pieces may be bent, as shown in the drawing, or they may be straight and tangential to the strip or band of the ventilator; in any case they will bend so as to accommodate reasonable variations of size of hats to the head size of the

wearer. My invention further consists in attaching my improved ventilator to the sweat-leather so that the ventilator-sweat may be sold as an article of trade to the hatter ready for attachment to hats and caps; and my invention further consists in combining the improved ventilator herein described with the sweat and body of the hat or cap, so as to make a complete ventilated hat or cap.

Figure 1 of the drawing shows an interior view of a hat with my improved ventilator; Fig. 2, a vertical longitudinal section of the same; Fig. 3, plan view of a portion of the ventilator, showing how the thin metal strips are cut to produce the arrangement of the attaching-pieces in pairs, as shown in Figs. 1 and 2. Figs. 4 and 5 are plan and edge views of portions of a strip for a ventilator, cut so as to have the attaching-pieces all project in the same direction.

a represents a hat; *b*, the sweat; *c*, the flat-metal ventilator-strip; *c'*, holes punched for sewing stitches *d*, by which the flat part of the ventilator is attached to the sweat. *e* represents the projecting attaching-pieces formed by the cuts *f* in the metal of the ventilator-strip, (see Fig. 3,) and bent outward to be attached to the hat by sewing, holes *g* being punched in the ends of the attaching-pieces for that purpose.

The attaching-pieces are shown, in Figs 1 and 2, bent toward each other in pairs, but may be all bent the same way, as in Fig. 4.

In applying my invention it is sewed to the sweat and joined at the ends so as to conform to the required head size. The sweat and ventilator are then put in the hat, and attached thereto by sewing the ends of the attaching-pieces to the hat. The attaching-pieces being free to bend outward or inward within reasonable limits, there is no difficulty experienced by the hatter in fitting the wearer with a proper-fitting ventilating-hat.

I claim as of my invention and improvement in ventilating hats—

1. The within-described hat-ventilator, consisting of a plain strip or band of thin metal or other suitable material, to determine the head size, combined with flexible attaching-pieces pro-

jecting from the band and forming part thereof, substantially as and for the purpose described.

2. The sweat, combined with and attached to the ventilator above described, so as to form a ventilator-sweat ready for sale and use by hat-
ters.

3. The ventilator, consisting of the flat band

and projecting attaching-pieces, substantially as described, in combination with the hat and sweat, so as to make a ventilated hat capable of being accurately adjusted to the head size.

Witnesses: SAMUEL BEATTY.

E. N. A. CHICHESTER,
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