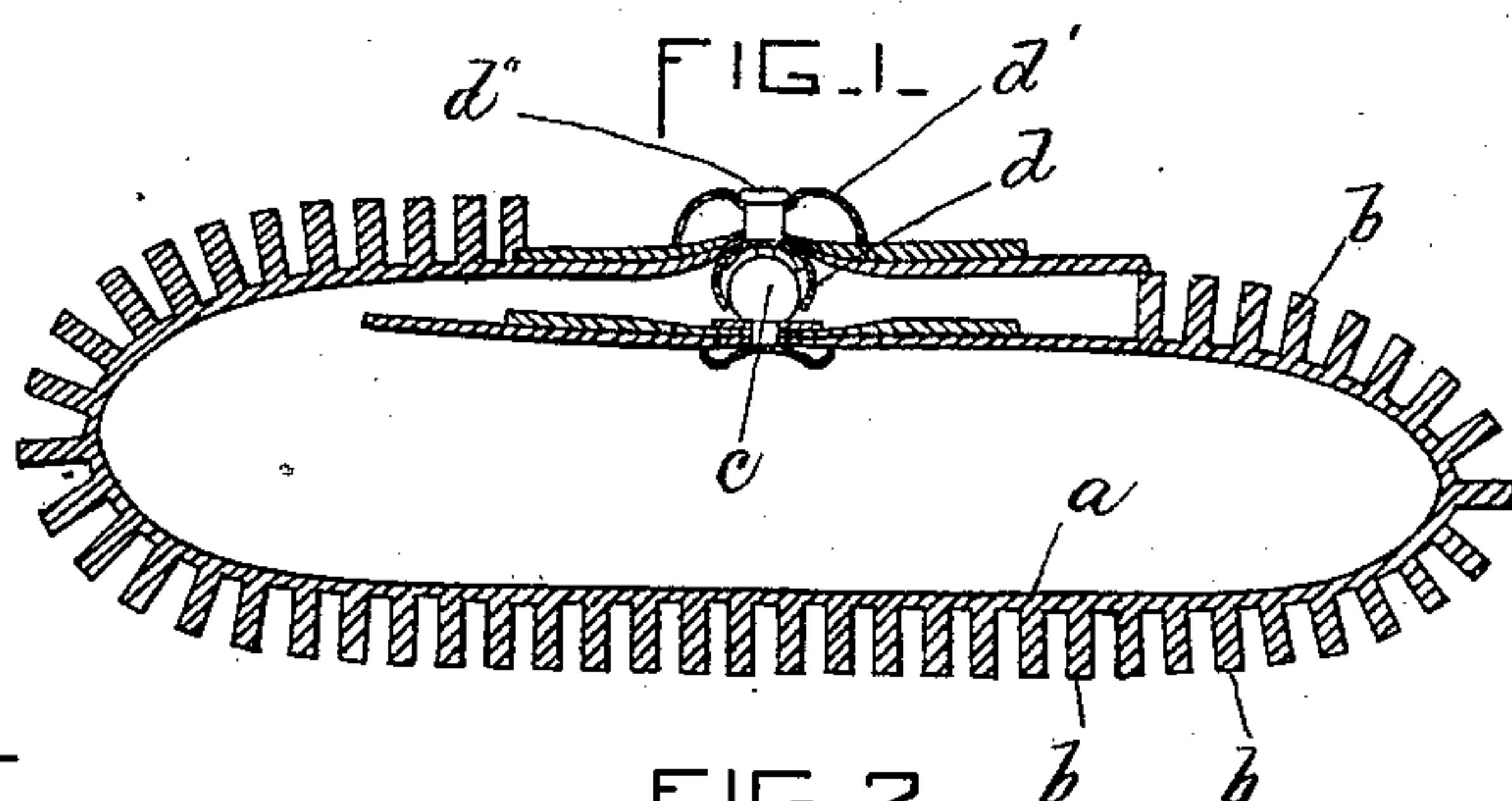
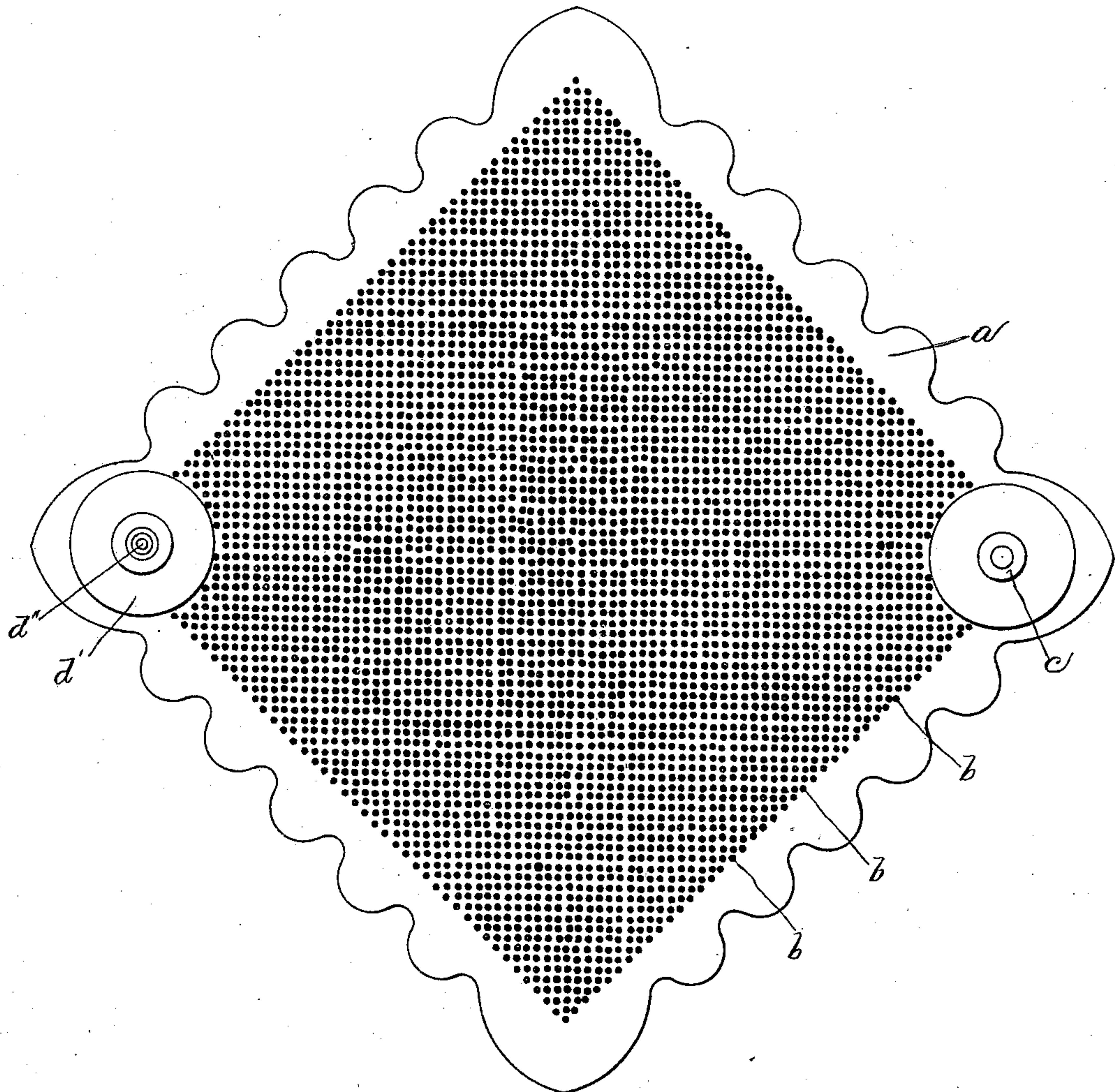


(No Model.)

R. COWEN & P. W. PRATT.
BATH MITTEN.

No. 415,026.

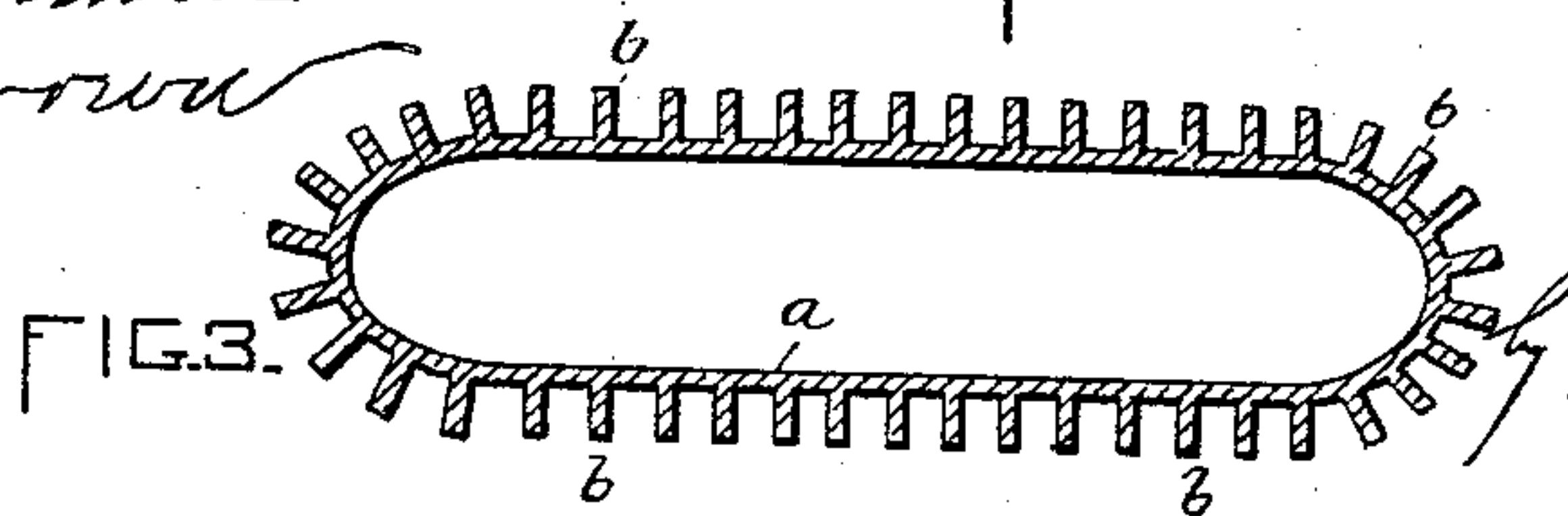
Patented Nov. 12, 1889.



WITNESSES.

A. C. Hemmick

H. Brown



INVENTOR.

R. Cowen

P. W. Pratt

Wm. Brown for us
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UNITED STATES PATENT OFFICE.

ROBERT COWEN, OF CAMBRIDGE, AND PHILIP W. PRATT, OF ABINGTON,
MASSACHUSETTS.

BATH-MITTEN.

SPECIFICATION forming part of Letters Patent No. 415,026, dated November 12, 1889.

Application filed April 16, 1889. Serial No. 307,474. (No model.)

To all whom it may concern:

Be it known that we, ROBERT COWEN, of Cambridge, in the county of Middlesex and State of Massachusetts, and PHILIP W. PRATT, of Abington, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Bath-Mittens, of which the following is a specification.

10 Our invention consists in a bath-mitten having flexible projecting teeth which will extend around the outer surface of the mitten from the palm to the back of the same; and our invention also consists in certain details
15 of construction, as more particularly hereinafter described.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents the exterior face or operating side of our improved bath-mitten, the same being spread
20 out and in a flat condition. Fig. 2 represents a transverse section of the same as formed into a mitten, and Fig. 3 represents an edge view of a modification.

25 The same letters of reference indicate the same parts in all the figures.

In carrying out our invention we form a sheet *a* of flexible rubber having its back side substantially flat, and on the opposite
30 side we mold a series of projecting studs or teeth *b*. Said studs or teeth, which are thickly arranged, as shown in Fig. 1, are preferably cylindrical in form and provided with flat outward ends formed substantially at right
35 angles with the length of the teeth. The size of the teeth is such that they will readily bend when moved over the skin, so that one side of each tooth at its upper end acts as a yielding scraper upon the skin, removing accumulations from the pores and creating a
40 desirable friction without liability of injury to the skin. The sheet is preferably formed into a mitten or into a form approximating that of a mitten, so that it may be drawn
45 upon the human hand and will retain itself

thereon. This mitten-like form may be permanent, opposite sides or ends of the sheet being permanently joined. We prefer, however, to make the union of the opposite sides or ends of the sheet detachable, so that the sheet can be used in a flat condition or in the form of a mitten, as may be desired. We have here shown as the means for connecting the opposite sides or edges of the sheet the stud *c*, attached to the sheet near one edge
50 thereof, and a socket *d*, with spring yielding sides attached to the sheet near the opposite edge, said socket being adapted to receive and grasp the stud. The stud and socket constitute members of the detachable fastening, such as is commonly used for gloves and other articles. We do not limit ourselves, however, to the detachable fastening of this particular construction, but may use any other suitable fastening adapted for the purpose.
60

It will be seen that the flexible sheet when made into the form of a mitten and applied to the hand conforms closely to the shape of the palm of the hand and the different positions that may be assumed by the fingers with the projecting teeth extending outward all around from the palm to the edges and back, and the mitten and the teeth on the same may therefore conform to the parts of
70 the body that can be reached by any part of the hand.

The socket *d* is here shown as attached to the sheet *a* by means similar to those employed in attaching similar sockets to gloves and other like articles—namely, by a shank *d*², formed on the socket, and a concavo-convex washer *d'*, engaged therewith and bearing against the front side of the sheet *a*, the socket being on the back of said sheet, while
80 the stud *c* is on the front thereof.

We claim—

1. A bath-mitten composed of flexible rubber having upon its outer surface and extending around the same from palm to back out-
90

wardly - projecting flexible teeth or studs formed integral with the body of the mitten, as set forth.

2. A bath-mitten consisting of a flexible
5 sheet of rubber having the flexible teeth or studs *b* formed integral therewith and projecting from one side or surface thereof and extending entirely or nearly over said surface, in combination with fastening members
10 at or near the opposite edges of the sheet, as set forth.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

ROBERT COWEN.

PHILIP W. PRATT.

Witnesses for Philip W. Pratt:

C. F. BROWN,

A. D. HARRISON.

Witnesses for Robert Cowen:

PHILIP EMERSON,

ARTHUR W. CROSSLEY.