

J. W. MILLER.
Conformators.

No. 152,910.

Patented July 14, 1874.

Fig: 1.

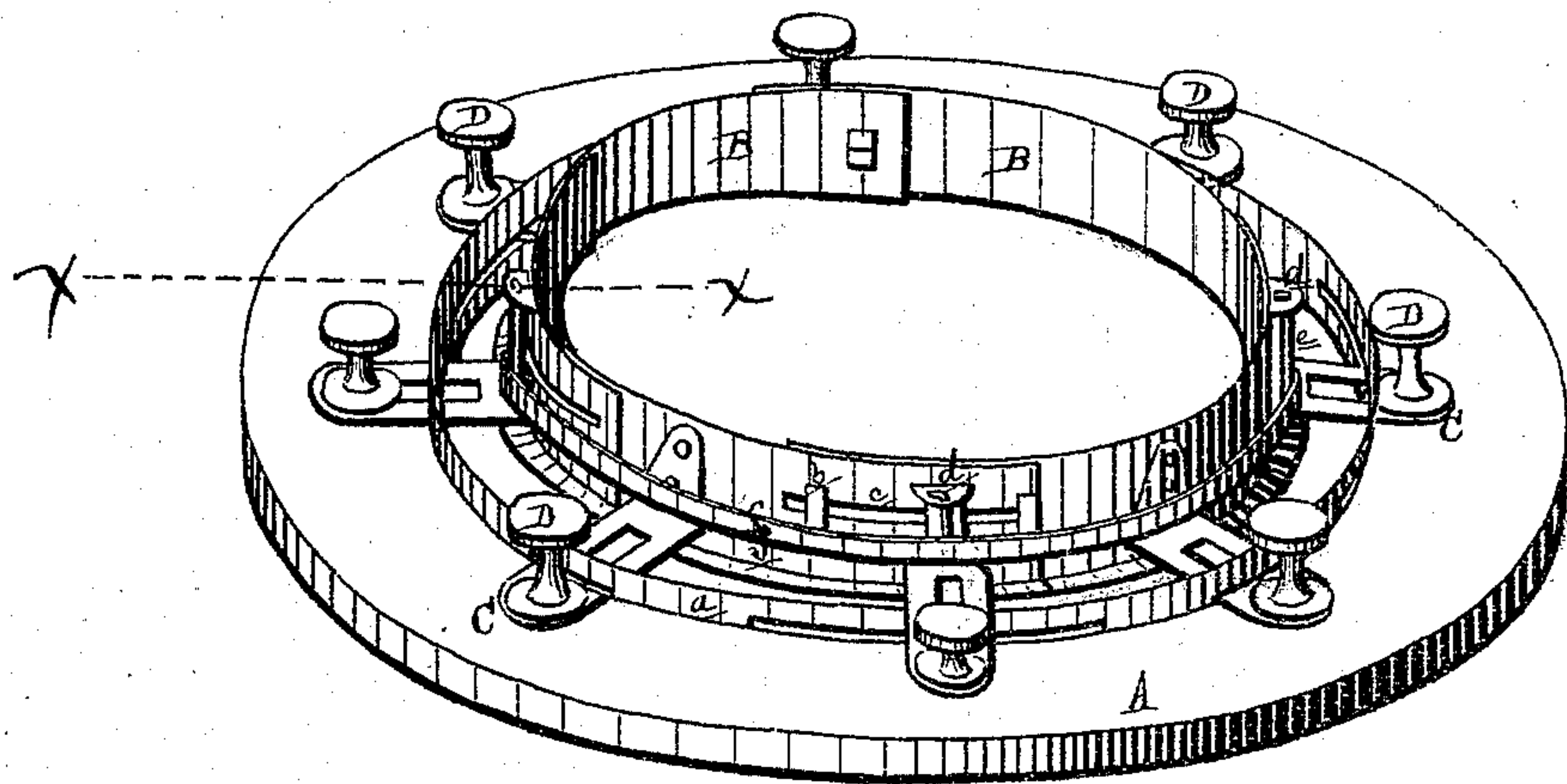
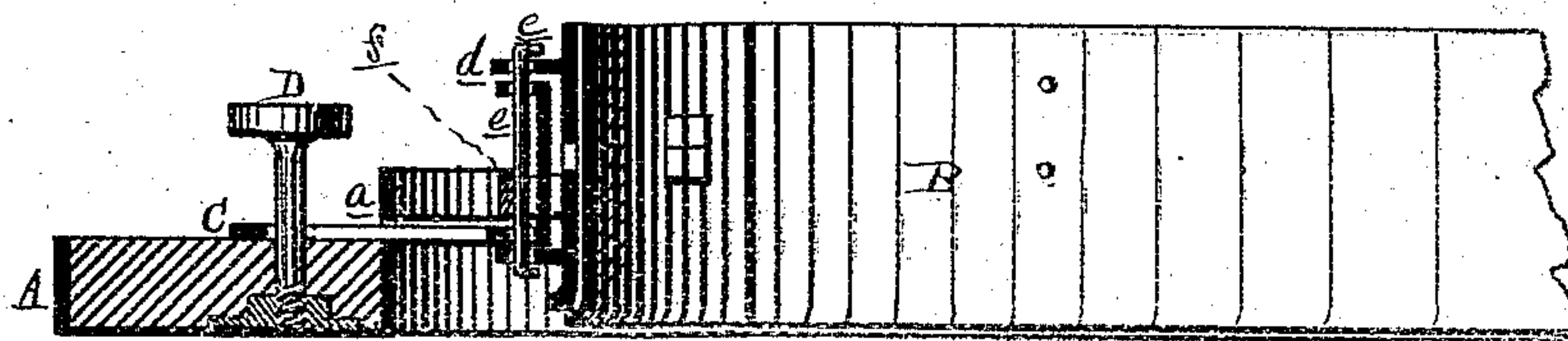


Fig: 2.



Attest.
C. E. B. *[Signature]*
J. W. Davis

Inventor.
J. W. Miller
By Attorney
W. S. Sprague

UNITED STATES PATENT OFFICE.

JOHN W. MILLER, OF JOLIET, ILLINOIS.

IMPROVEMENT IN CONFORMATORS.

Specification forming part of Letters Patent No. **152,910**, dated July 14, 1874; application filed June 8, 1874.

To all whom it may concern:

Be it known that I, JOHN W. MILLER, of Joliet, in the county of Will and State of Illinois, have invented an Improved Conformer, of which the following is a specification:

The nature of this invention relates to an improvement in that class of devices which are used by retail hatters for getting the exact contour of customer's head, from which a well-fitting hat can subsequently be made. The invention consists in an elliptic plate having an oval opening, in which two elastic bands of thin steel are supported by slotted clips pivoted thereto, and adjustably secured, by thumb-screws, to the outer plate or rim. The ends of the bands are overlapped, and they are caused to contract to the head by one or more rubber springs or bands, when the steel bands may be securely clamped and used as a templet to draw off the contour of the head on a piece of paper, which is then sent to the hat-maker to guide him in blocking the hat.

Figure 1 is a perspective view. Fig. 2 is an enlarged cross-section at *x x*.

In the drawing, A represents an elliptic metal rim, having an opening of similar shape surrounded by an upturned flange, *a*. B B are bands of thin elastic steel, their ends overlapping, but kept together in such a manner that they can slide upon each other by the shank *b* of a rivet on one projecting through a slot, *c*, in the other. At intervals lugs *d* are

riveted to the outer sides of the bands B, and to each, by means of a pin, *e*, clips C are pivoted thereto, each clip passing through a slot in the flange *a*, and slotted to pass the shank of a clamp-screw, D, which is tapped into the rim A. A portion of the clips may be secured directly to the bands. An elastic india-rubber band or strap, *f*, may encircle the bands B to contract them upon each other, or shorter bands of the same material, or spiral springs, may be secured to the pins *e* nearest the ends at each lap for a like purpose.

When it is desired to secure the contour of a customer's head, the screws D all being loosened, the device is put on like a hat, when the rubber springs will contract the flexible bands B against the head on all sides. The screws are then tightened on the clips to hold the bands in their positions, when the conformator is removed and used as a templet to mark a diagram on paper to guide the hat-maker.

What I claim as my invention, and desire to secure by Letters Patent, is—

The flexible elastic metal bands B B, adjustably secured, by the slotted clips C and screws D, to the rim A, and one or more rubber springs, *f*, for contracting the said bands, substantially as described.

JOHN W. MILLER.

Witnesses:

WM. H. LOTZ,
HERMAN BISCHOFF.