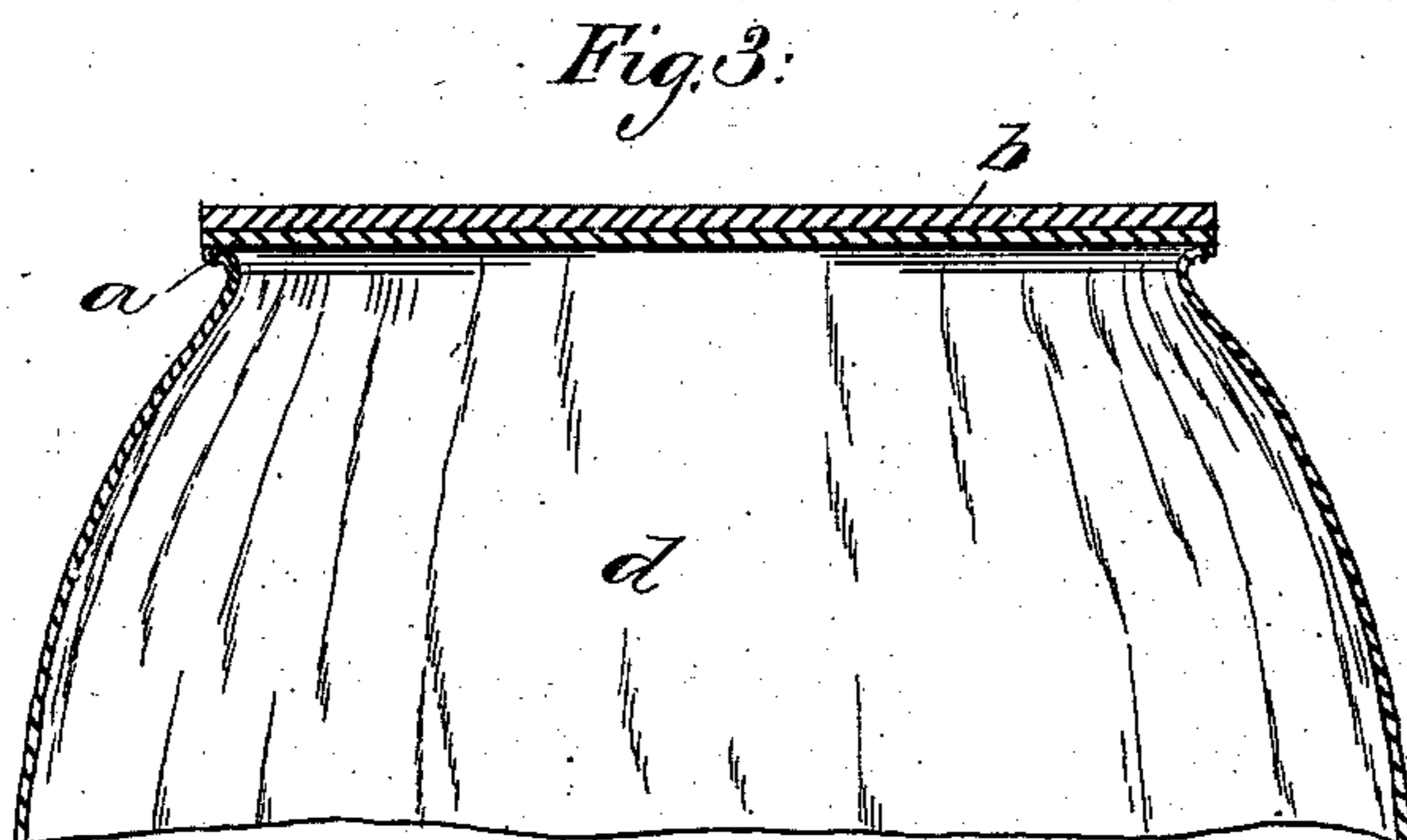
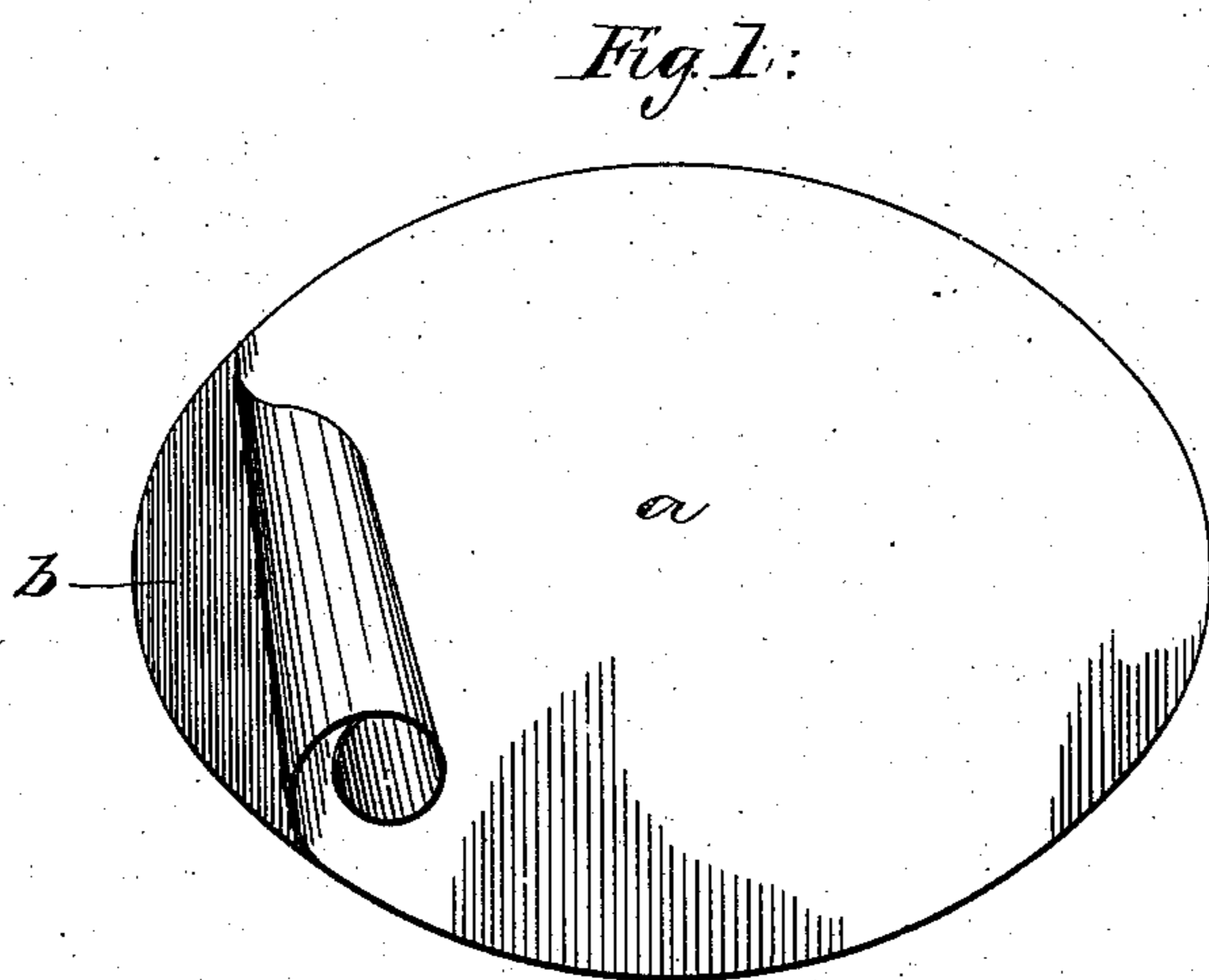
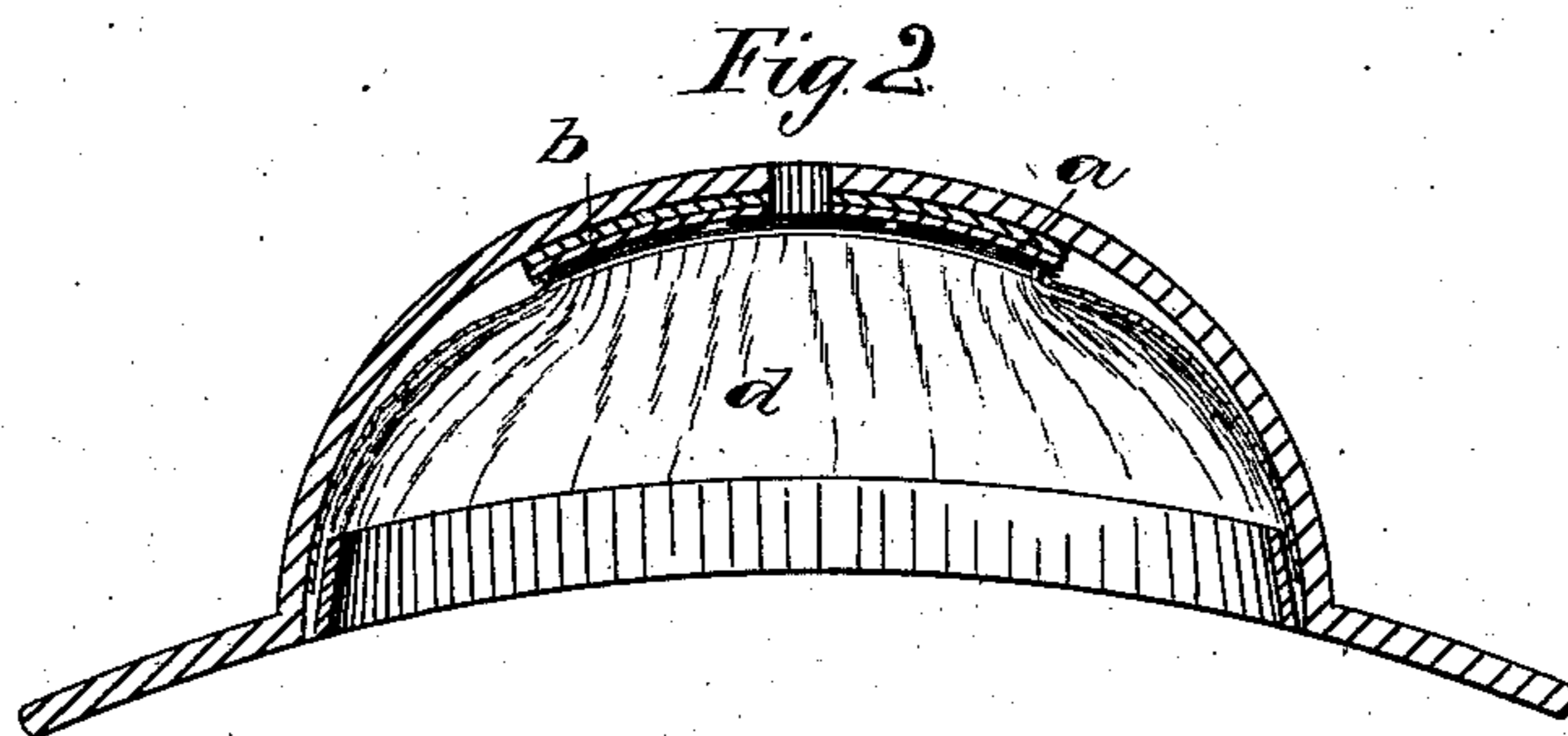


(Model.)

A. SOLMANS.
MANUFACTURE OF HAT LININGS.

No. 292,596.

Patented Jan. 29, 1884.



Witnesses
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UNITED STATES PATENT OFFICE.

ALDEN SOLMANS, OF SOUTH NORWALK, CONNECTICUT.

MANUFACTURE OF HAT-LININGS.

SPECIFICATION forming part of Letters Patent No. 292,596, dated January 29, 1884.

Application filed February 9, 1883. (Model.)

To all whom it may concern:

Be it known that I, ALDEN SOLMANS, a citizen of the United States, and residing at South Norwalk, county of Fairfield, in the State of Connecticut, have invented new and useful Improvements in the Manufacture of Hat-Linings, of which the following is a specification.

In the annexed drawings, Figure 1 is a plan view of the tip or crown, showing a portion of the tip-lining torn off from the backing. Fig. 2 is a longitudinal section of a hat with my improved lining in place; and Fig. 3 is a section of the complete lining detached, showing the tip-lining pasted to the backing and the side lining stitched to the tip-lining and backing.

My invention consists of a hat-lining composed of a piece of stiff paper or other suitable material covered with a facing of satin or any other suitable material in such a manner that the tip thereof presents an even, smooth, and uniform surface or face.

In the old method of making hat linings or tips, the facing, of satin or other suitable material, for the tip thereof is stretched across a stiff backing of paper or other suitable material by hand, and either pinned or basted with thread to the backing, and then sewed together with a machine. This is then cut the required shape and the side lining sewed or otherwise united thereto, and forming a complete hat-lining. By this old method a great deal of time and labor are consumed in the stitching of the facing over the backing, pinning the same thereto, and then basting or sewing them together with thread. The surface or face of the tip is uneven, rough, wrinkled, seamed, or in folds.

By my invention I paste or stick a facing of satin or any other suitable material used for lining, as shown by *a*, Fig. 1, to a stiff backing of paper or any other suitable material used for backing, as shown by *b*, Fig. 1, and then stitch or otherwise unite the same to the side lining, as shown by *d*, Fig. 2. I thus save the time and labor consumed in the old method and the loss and waste occasioned by improper stretching of the facing over the back-

ing, and make the tip of the lining present a smooth, even, and uniform surface, free from the usual wrinkles, folds, furrows, and seams, and materially reducing the cost in making hat-linings.

It has always been an object, in the manufacture of hat linings or tips, to make the tip thereof present an even, smooth, and uniform surface or face, not only to increase the beauty thereof, but to enable the label printed thereon to be easily seen and read; also to have a method whereby the facing of the tip of the lining could be connected with the backing thereof, and prevent the loss of time and waste of material occasioned by pinning and stitching, as aforesaid, and at the same time present a smooth and even surface or face.

I am aware that it is not new to back a hat-lining of silk, satin, or other material with paper, cloth, or other fibrous or woven material at the place where the embossing is to be applied, interposing size between the lining and backing, so as make them adhere to each other, the object of the backing being to support and fix the image or figure embossed upon the lining. This, however, differs wholly from my invention, being for a different purpose, and incapable of producing a perfectly smooth and uniform tip-lining, which will not become wrinkled and puckered by use.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A hat-lining the tip of which consists of a facing of satin or other suitable material pasted smoothly to a stiff backing, whereby the entire tip is made smooth and free from folds or wrinkles.

2. The combination, with a hat, of a lining the tip of which consists of a stiff backing having a facing pasted smoothly thereto, and a side lining stitched or otherwise secured to the tip, substantially as described.

ALDEN SOLMANS.

Witnesses:

JNO. H. JUDGE,
WM. N. ARMSTRONG.