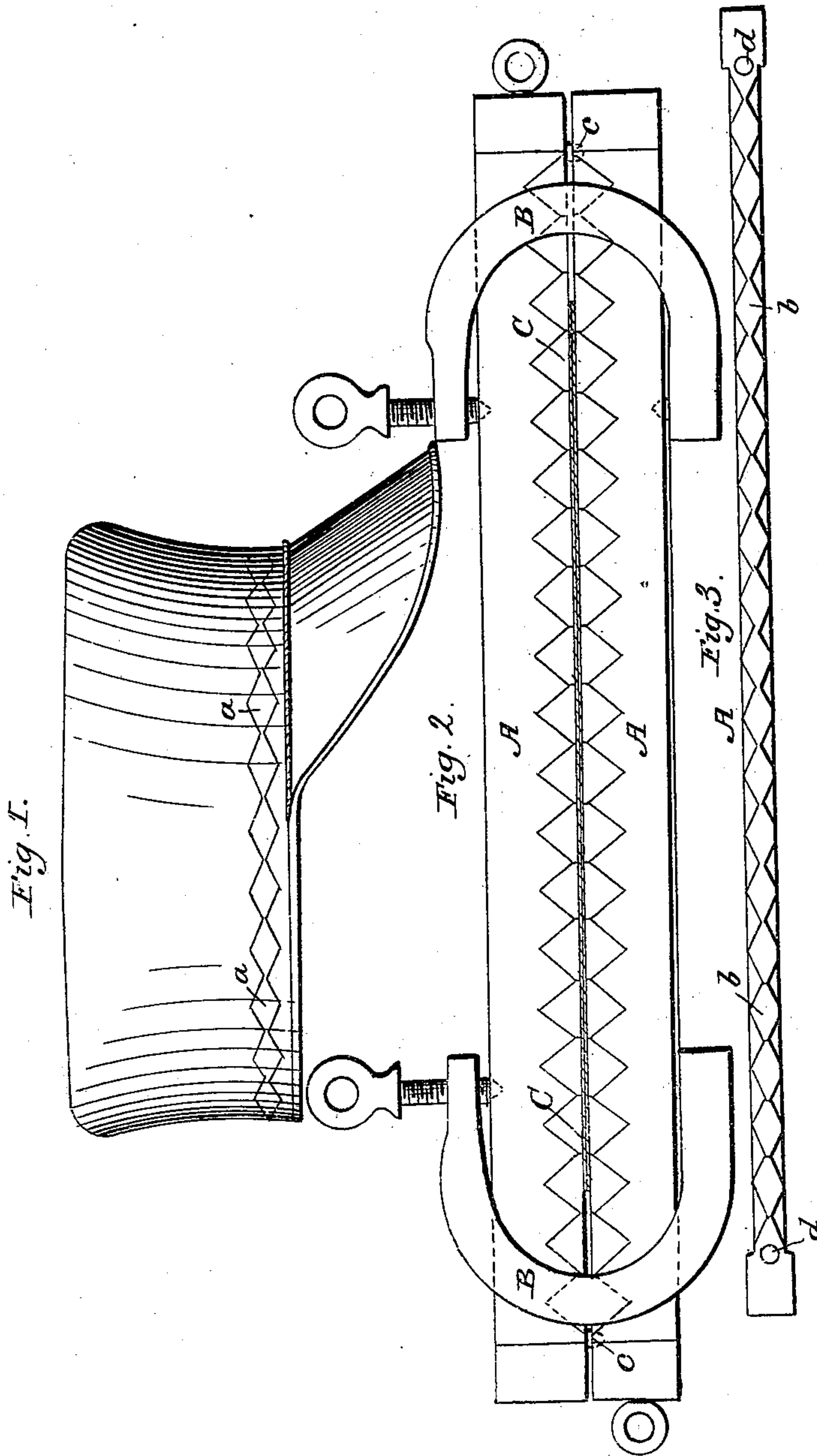


J. McFARLANE.

Press Dyeing.

No. 42,915.

Patented May 24, 1864.



Witnesses:
J. W. Coombs
Henry Morris

Inventor:
J. M. Farlane
per Munroe & Co.
Attorneys

UNITED STATES PATENT OFFICE.

JOHN MCFARLANE, OF MATTEAWAN, NEW YORK, ASSIGNOR TO JOHN FALCONER, OF NEW YORK CITY.

IMPROVED DEVICE FOR DYEING FELT CAPS, &c.

Specification forming part of Letters Patent No. 42,915, dated May 24, 1864.

To all whom it may concern:

Be it known that I, JOHN MCFARLANE, of Matteawan, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Dyeing Felt Caps and other Articles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side view of a seamless felt cap, illustrating the application of my invention. Fig. 2 is a side view of the clamping-pieces and clamps, the use of which constitutes my invention. Fig. 3 is a face view of one of the clamping-pieces.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to exclude the dye from certain parts of any article and obtain thereon, after the dyeing process, a figure or figures of the original color which the article had before the dyeing, as, for instance, the white figure *a a*, around the band of the seamless felt cap. (Represented in Fig. 1.)

The present invention particularly consists in an improved and simplified device for the purpose named.

A A are the clamping-pieces, of tinned-brass, or other metal, having their opposite faces flat, and of a form corresponding with the figure *a a*, to be produced as shown at *b b* in Fig. 2. These clamping-pieces are fitted together with dowel-pins *c c*, on one entering holes *d d*, in the other to make the figures *b b* on their faces register accurately with each other, and are secured together preparatory to and during the dyeing process by means of one or more screw-clamps, *B B*, which produce the requisite pressure on the cap or other article placed between them.

When the article or portion thereof upon

which the figure is to be produced is of circular or other endless form, like the band of a cap, the said article or portion is folded flat, as shown in Fig. 2, in which *C C* represents a section of the band of the cap, and in this condition is placed between the faces of the clamping-pieces *A A*, and compressed by the application of the clamps *B B*, and the screwing up of their screws; and the clamping-pieces, clamps, and the cap or other article are placed together in the dye-vat and allowed to remain therein for a sufficient time. After the dyeing has been finished the cap or other article is well rinsed or washed to prevent the dye from running into the parts which have been pressed between the clamping-pieces to produce the uncolored figure *a a* after the removal of the clamps. When the article is of straight form, it may be placed either double or single between the clamping-pieces, as may be most convenient, and subjected in the same manner to the dyeing process.

A colored figure may be produced by first dyeing the article of the color desired for the figure and then proceeding as hereinbefore described for the production of the white or uncolored figure.

I am aware that figures have before been produced upon fibrous materials on the same general principle as I have described by clamping the material between surfaces of the form of the desired pattern.

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

The combination of the clamping-pieces *A A b c d* and clamps *B B*, when constructed and employed in the manner and for the purpose herein specified.

JOHN MCFARLANE.

Witnesses:

LYMAN ROBINSON,
LAWRENCE S. FORMAN.