

No. 701,723.

Patented June 3, 1902.

J. HEIMANN.
HAT OR HEAD GEAR.
(Application filed Dec. 8, 1901.)

(No Model.)

Fig. 1.

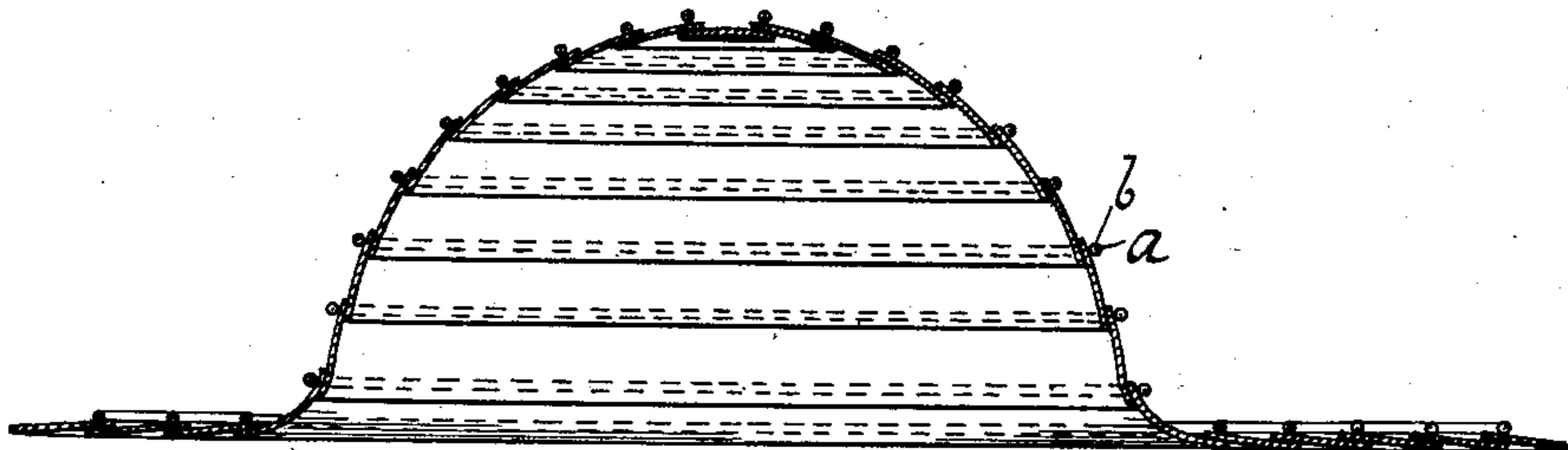


Fig. 2.

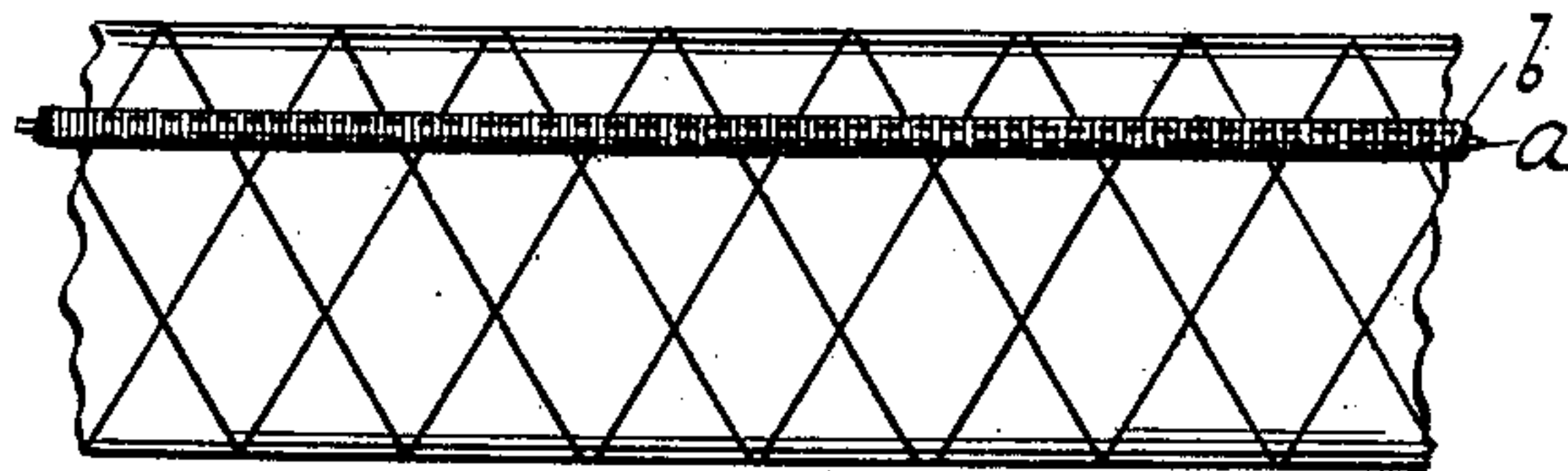


Fig. 3.

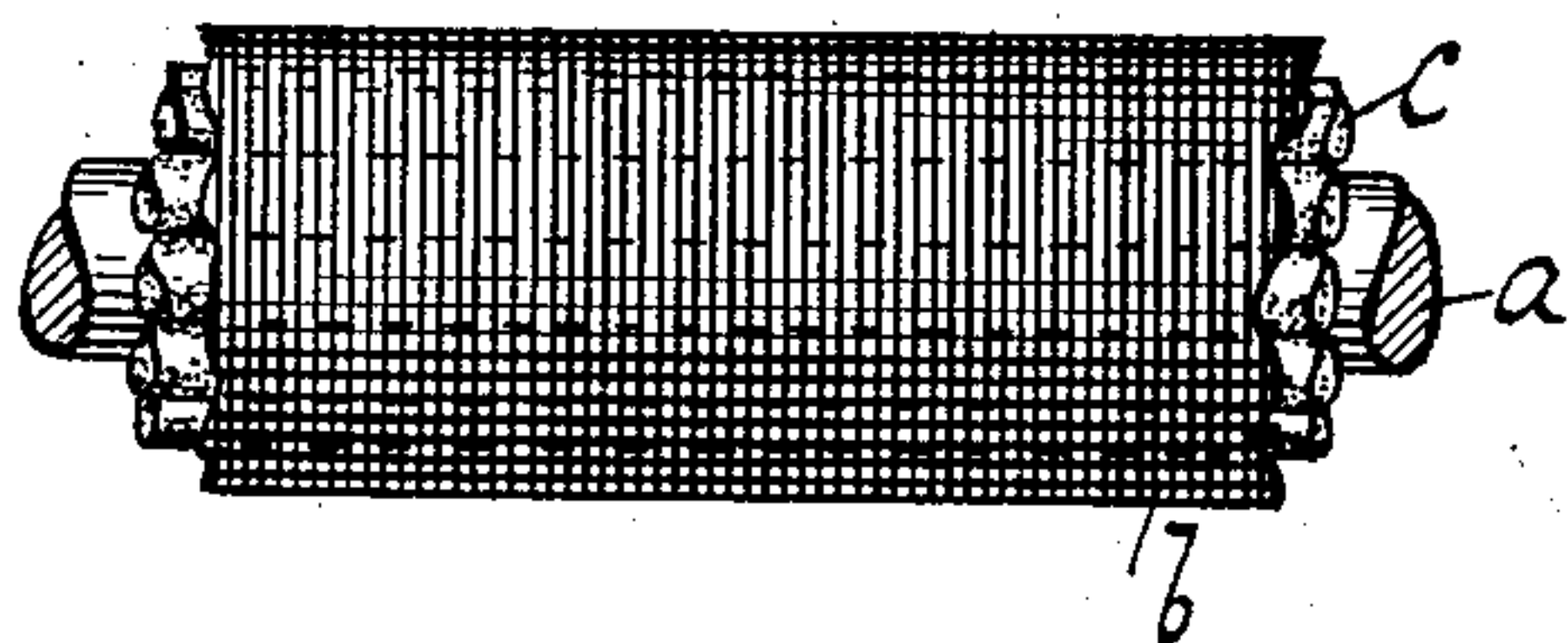
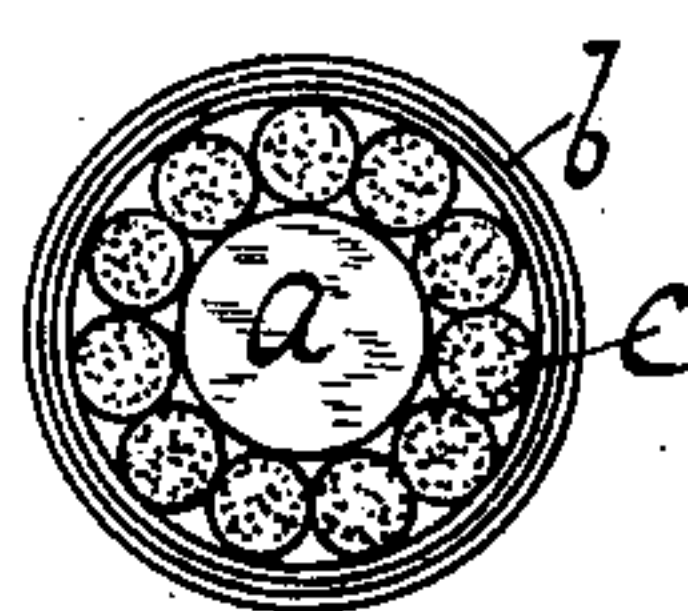


Fig. 4.



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JULIUS HEIMANN, OF NEW YORK, N. Y., ASSIGNOR TO HEIMANN & LICHTEN,
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HAT OR HEAD-GEAR.

SPECIFICATION forming part of Letters Patent No. 701,723, dated June 3, 1902.

Application filed December 3, 1901. Serial No. 84,557. (No model.)

To all whom it may concern:

Be it known that I, JULIUS HEIMANN, a citizen of the United States, residing at Manhattan borough, New York city, in the county and State of New York, have invented new and useful Improvements in Hats or Head-Gear, of which the following is a specification.

In the manufacture of such articles as certain kinds of hats a certain degree of yielding or elasticity is called for, so that the hat will give under pressure, but return to its proper shape, or not remain distorted when released. Reed or ratan having a covering spun thereabout is serviceable for such stiffening.

This invention is set forth in the following specification and claims, and illustrated in the annexed drawings, in which—

Figure 1 is a sectional side view of a hat provided with the stiffener. Fig. 2 shows a piece of braid with a stiffener. Fig. 3 shows a reed or ratan covered. Fig. 4 is a sectional end view of Fig. 3.

The reed or ratan is shown at *a* and the covering or thread spun thereabout is represented at *b*. This reed *a* forms a core, and strands *c*, laid along the core or reed and inclosed by or having spun about them the threads or covering *b*, will give a fullness or rounded effect to the stiffener. This stiffener *a*, being sewed or secured along or about a hat, will hold the latter in shape, while allowing the same to yield under pressure. The hat being formed or composed of braid, the stiffener is suitably secured or applied to the braid. A practical way, it has been found, is to apply the stiffener at a distance from the edge of the braid. The strands and spinning about the reed or ratan give a fullness or rounded appearance or finish to the stiff-

ener and the thickening or material furnished by said strands and spinning allows sewing or stitching of the reed in place without the sewing-thread having to be led over or about the reed. In other words, the sewing or attaching threads can be stitched or run through the strands alongside the reed instead of about the same. The use of reed or ratan is advantageous as compared with wire, since wire is apt to stay more or less bent after pressure, while ratan has been found to spring back or return to its normal shape after the hat has been exposed to pressure—such, for example, as caused by the wearer leaning against a chair-back.

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

1. In a hat, the combination of a body portion constructed of braid formed of suitable material, and a stiffening for said braid consisting of a core of reed, strands of material cylindrical in cross-section, of less diameter than the core, surrounding and engaging the periphery of the same, said strands engaging each other, and a cover surrounding and engaging the said strands, substantially as shown and described.

2. A hat composed of braid and a stiffening secured thereto consisting of a core of reed, strands of suitable material circumferentially surrounding and engaging the periphery of said core and engaging each other, and a cover surrounding and engaging the said strands.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JULIUS HEIMANN.

Witnesses:

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