

No. 817,532.

PATENTED APR. 10, 1906.

A. M. TAYLOR.

BOTTLE CLOSURE.

APPLICATION FILED OCT. 14, 1905.

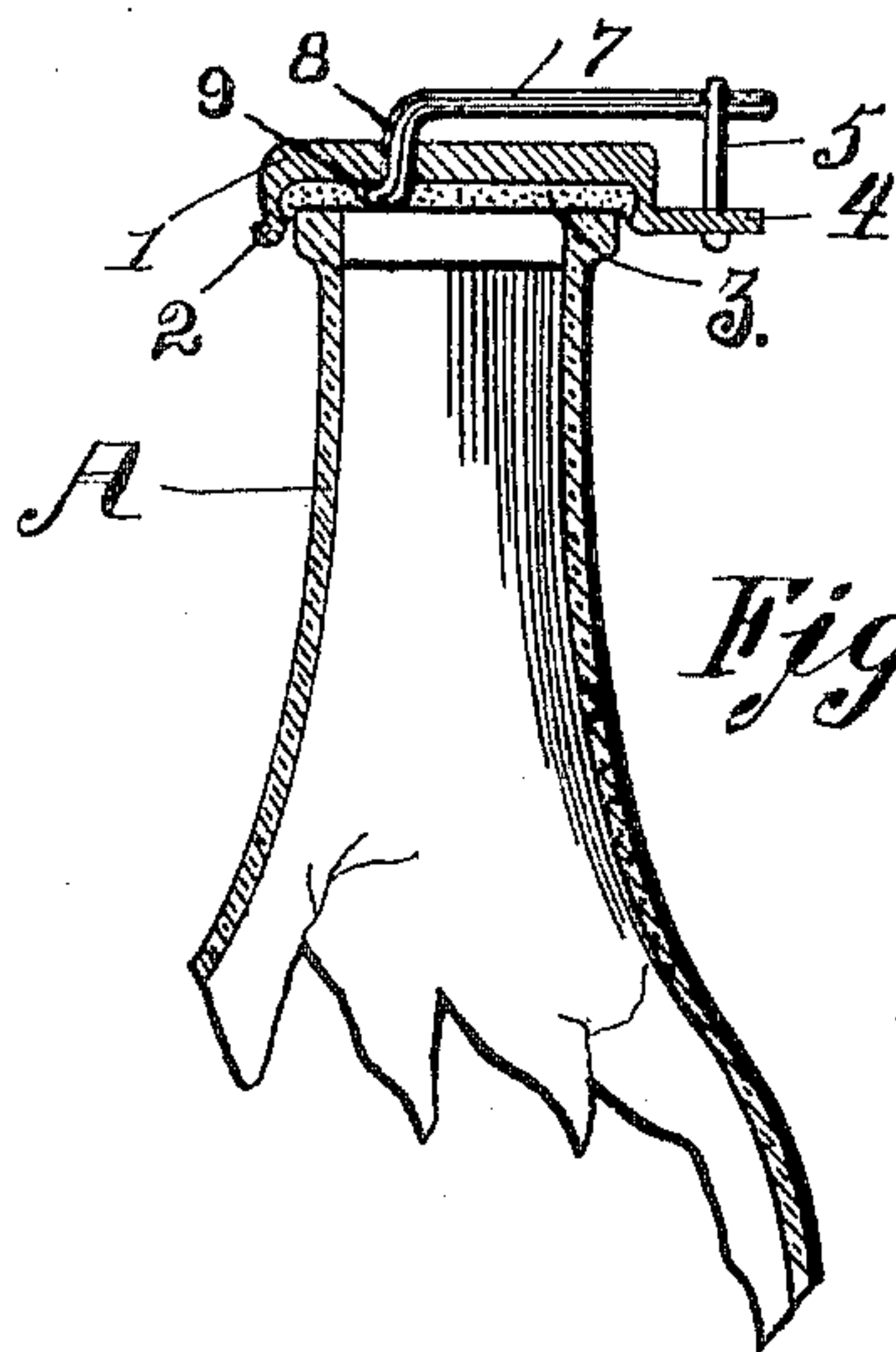


Fig 1

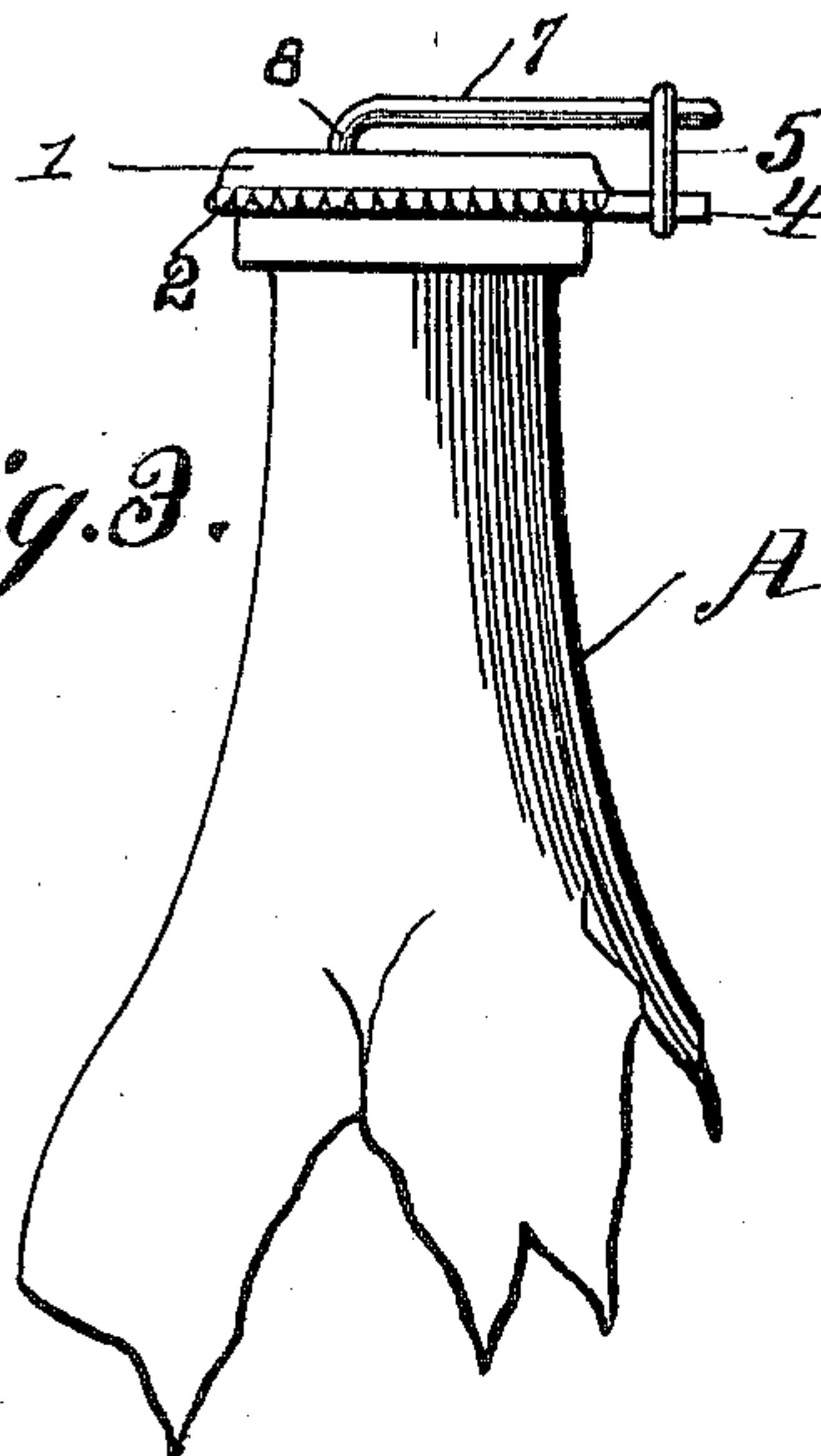


Fig. 3.

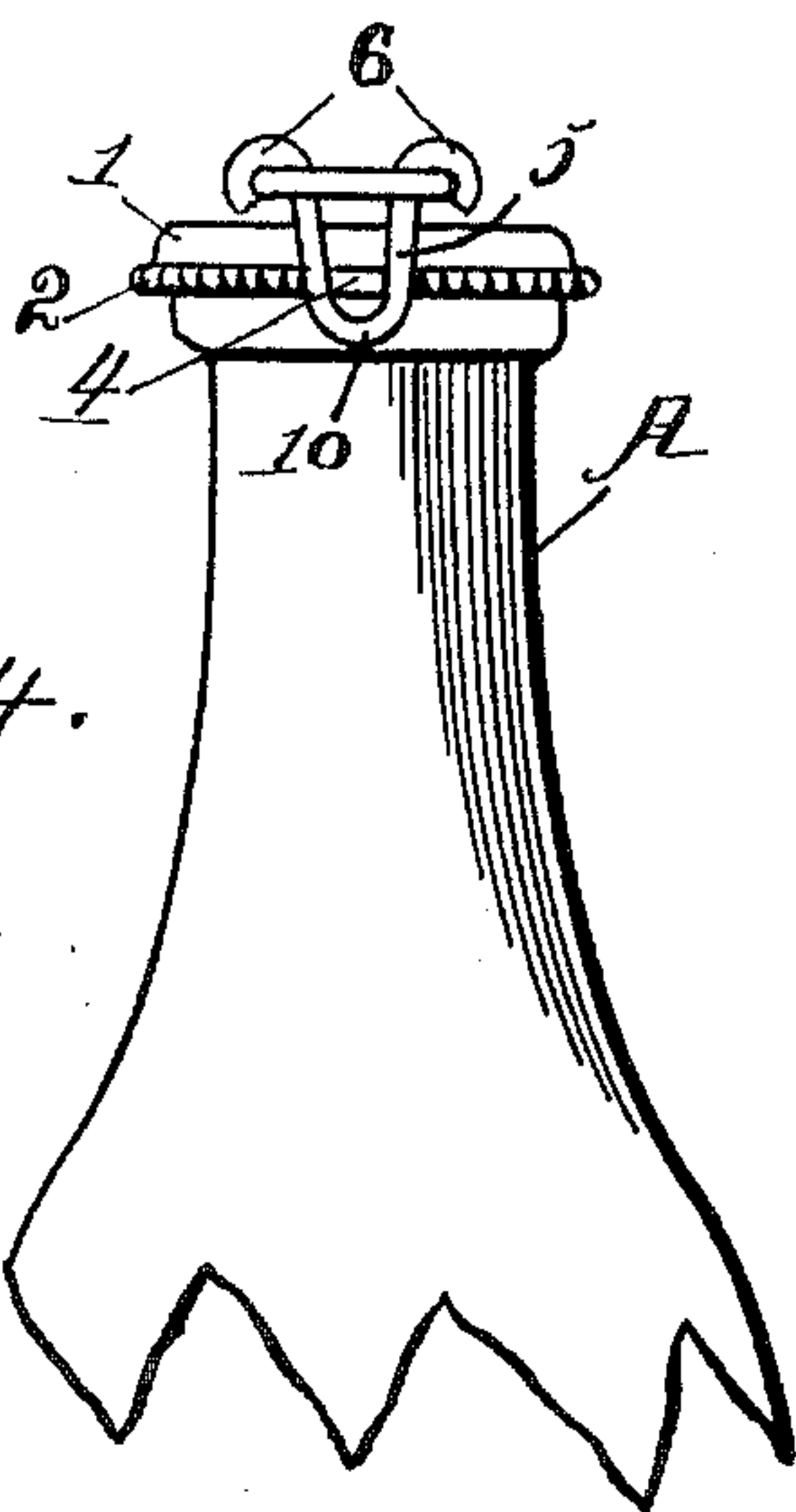


Fig. 4.

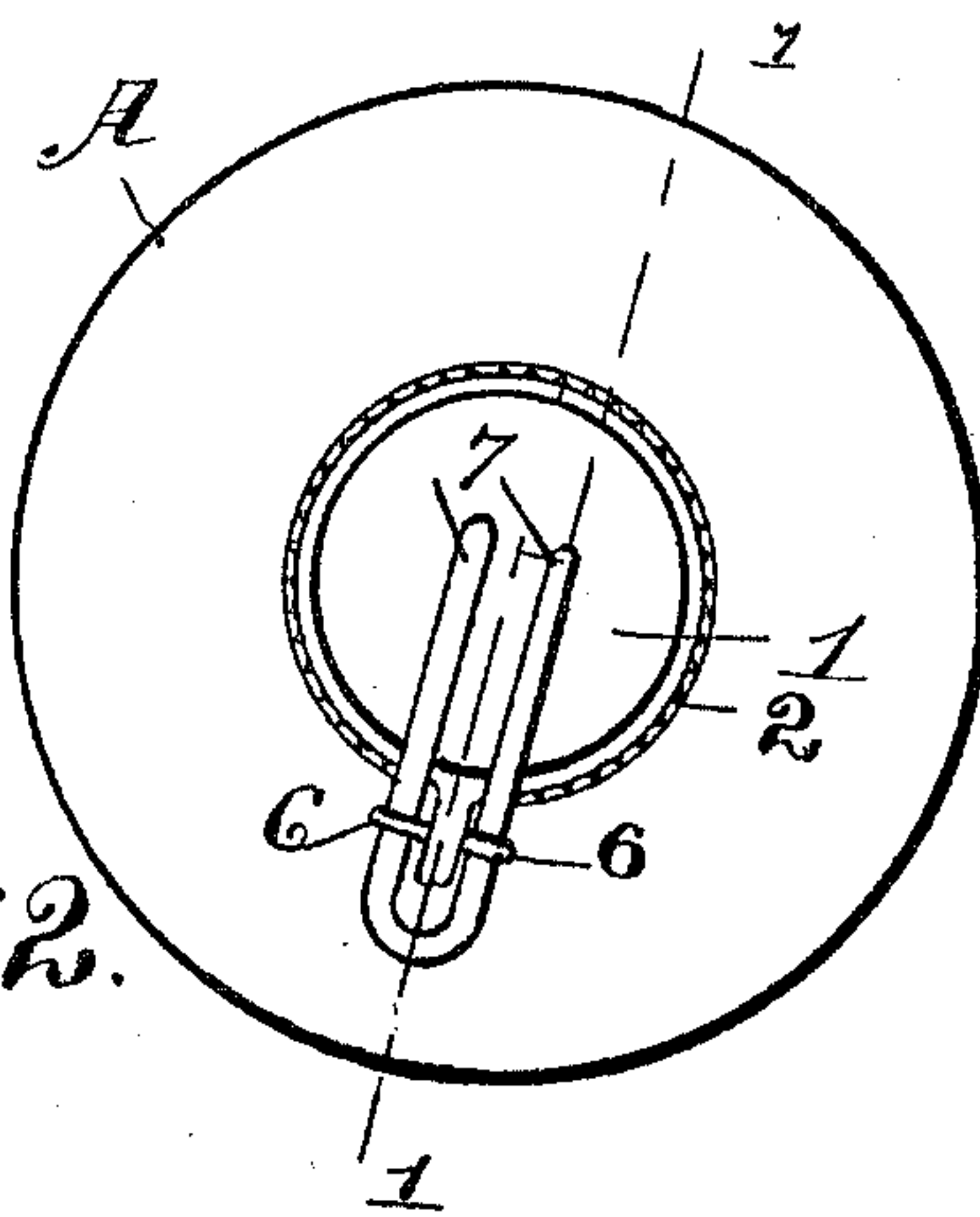


Fig. 2.

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Fig. 5.

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UNITED STATES PATENT OFFICE.

ALICE M. TAYLOR, OF PITTSBURG, PENNSYLVANIA.

BOTTLE-CLOSURE.

No. 817,532.

Specification of Letters Patent.

Patented April 10, 1906.

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To all whom it may concern:

Be it known that I, ALICE M. TAYLOR, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Bottle-Closures, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in bottle-closures, and pertains to that particular type employed for sealing bottles containing carbonized or fermented beverages, wherein a crimped metallic cap is employed to insure an air-tight seal.

20 The great objection that has been experienced in connection with this type of closure is that in order to easily and quickly remove the cap from the bottle one must always have with him a specially-constructed tool or bottle-opener, which is heavy and unshapely to carry about in the pockets.

25 My invention aims to provide a bottle-cap constructed along the lines of this type and provided with a rigidly-secured attachment which is simple and cheap and occupies a very small space upon the cap. Hence no tools need be carried about in the clothing which will disfigure and render unshapely the pockets, as in the construction which I employ by simply exerting an upward pressure the metallic sealing-cap may be lifted or forced from the bottle.

35 The detailed construction will appear as the description proceeds, in which reference is had to the accompanying drawings, forming a part of this specification, like characters indicating like parts throughout the several views, in which—

40 Figure 1 is a longitudinal fragmentary section showing the detailed construction of the cap and attachment therefor and the manner of uniting the same together, this view being taken on the line 1 1 of Fig. 2. Fig. 2 is a top plan view of the bottle-cap constructed in accordance with my invention. Fig. 3 is a side elevation thereof. Fig. 4 is a front elevation. Fig. 5 is a plan view of a yoke for holding the attachment against the cap in shipping or storing the bottle.

The bottle A is closed by a metallic cap 1 of circular contour, formed with a crimped gripping edge 2 for biting or gripping the

flange upon the neck of the bottle and an inner sealing member 3, of cork or any of the well-known materials employed in the art.

The cap 1 is provided with an offset integral lateral extension or finger 4, which contacts with a yoke 5 (shown in Fig. 5) and provided with hooked ends 6 to hold the removing attachment to the cap. The attachment for removing the cap from the bottle embodies an elongated U-shaped member, preferably constructed of wire, said member being formed with parallel legs 7, which have their ends bent at a substantial right angle, as at 8, and extending through the cap. The extremities of the bent portions 8 are mashed or flattened upon the underneath surface of the cap 1 and united thereto in any desired manner, solder being commonly employed. Thus a rigid connection is formed, as at 9, between the extremities of the bent portions 8 and the cap 1. The yoke 5 has its bow-shaped portion 10 fast beneath the extension 4, and the hooked ends 6 thereof straddle the respective legs 7 of the cap-removing attachment.

When it is desired to remove the cap from the bottle, the end of the removing attachment which projects beyond the periphery of the cap 4 is depressed by the finger, and being of sufficient length to possess a strong degree of leverage the cap 1 will be lifted or forced from the bottle in a pivotal line of travel, the flange of the bottle adjacent the finger 4 serving as a fulcrum and the points where the bent portions 8 are secured to the cap 1 serving as the lifting-point, while pressure which exerts the necessary degree of leverage is applied from a point beyond the periphery of the said cap. Hence it will be seen that I have constructed a device that involves no complex elements and at the same time is sure and instantaneous in operation.

It should be here stated that in order to render the device most efficient in practical use I secure the extremities of the bent portions 8 of the removing attachment to the cap 1 at a point beyond the center of said cap and adjacent the inner periphery of the flange of the bottle-neck.

Having fully described my invention, I claim—

1. A bottle-closure embodying a metallic sealing-cap, and a member rigidly secured thereto, the free end of said member project-

ing in a plane parallel to and above the top surface of the cap and beyond the periphery of the cap for a short distance.

2. A bottle-closure embodying a metallic sealing-cap, and an attachment for removing the same from the bottle, comprising a wire member having one end rigidly secured to said cap and its other end projecting beyond the periphery of the same.

3. A bottle-closure embodying a metallic sealing-cap and an attachment for removing the same from the bottle, comprising a wire member having its one end secured thereto at a point beyond the center of said cap, and having its other end projecting beyond the periphery thereof.

4. A bottle-closure embodying a sealing-cap and an attachment for removing the same from the bottle, comprising a U-shaped wire member having its legs bent at an angle at their ends, the bent ends thereof being rigidly secured to said cap, and the free end of said member projecting beyond the periphery of said cap.

5. A bottle-closure embodying a metallic sealing-cap, and an attachment for removing the same from the bottle, comprising a U-shaped wire member having its legs rigidly secured to said cap at their ends, the other end of said member projecting beyond the periphery of the cap.

6. A bottle-closure embodying a metallic sealing-cap, and an attachment for removing the same from the neck of the bottle com-

prising a U-shaped wire member having its ends secured to said cap at a point beyond the center thereof, and having its free end projecting beyond the periphery of said cap.

7. A bottle-closure embodying a metallic sealing-cap, formed with an outwardly-extending member, an attachment for removing said cap from the bottle, comprising a wire member rigidly secured to said cap and having its free end projecting beyond the periphery thereof, and a wire connecting-link formed with hooked ends passing about said finger and said removing member to hold the latter to the cap.

8. A bottle-closure embodying a metallic sealing-cap formed adjacent its periphery with an outwardly-extending finger, an attachment for removing said cap from the bottle comprising a U-shaped wire member having the ends of its legs rigidly secured to said cap, the free end of said member projecting beyond the periphery of said cap, and a U-shaped yoke for holding said member to said cap, the ends of said yoke being bent, said yoke straddling said finger, and having the bent ends thereof hooked about the adjacent legs of said wire removing attachment.

In testimony whereof I affix my signature in the presence of two witnesses.

ALICE M. TAYLOR.

Witnesses:

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