

(No Model.)

T. R. HYDE, Jr.
TACK FASTENED BUTTON.

No. 576,759.

Patented Feb. 9, 1897.

Fig. 1

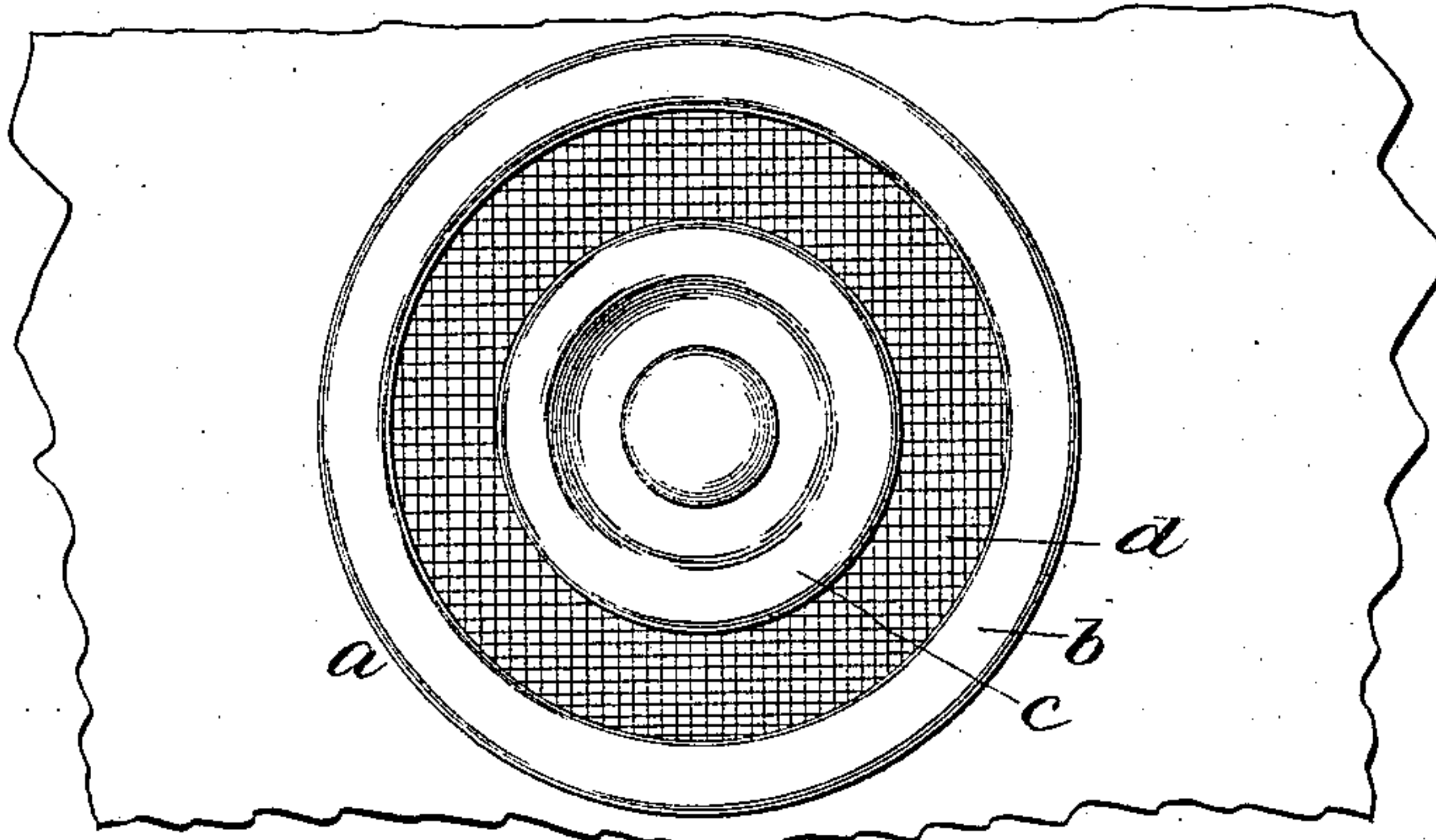


Fig. 2

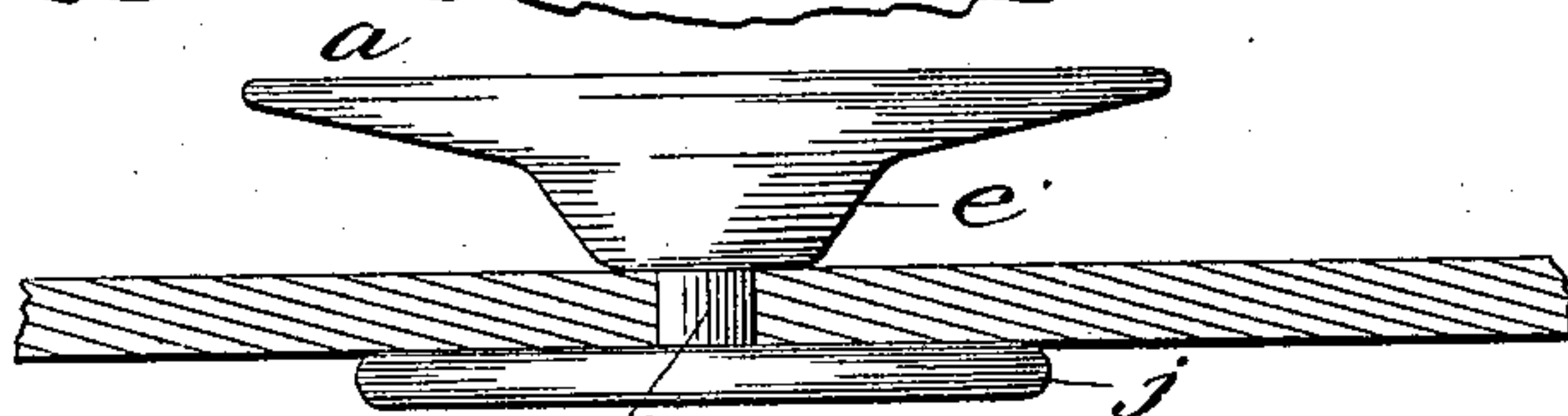


Fig. 3

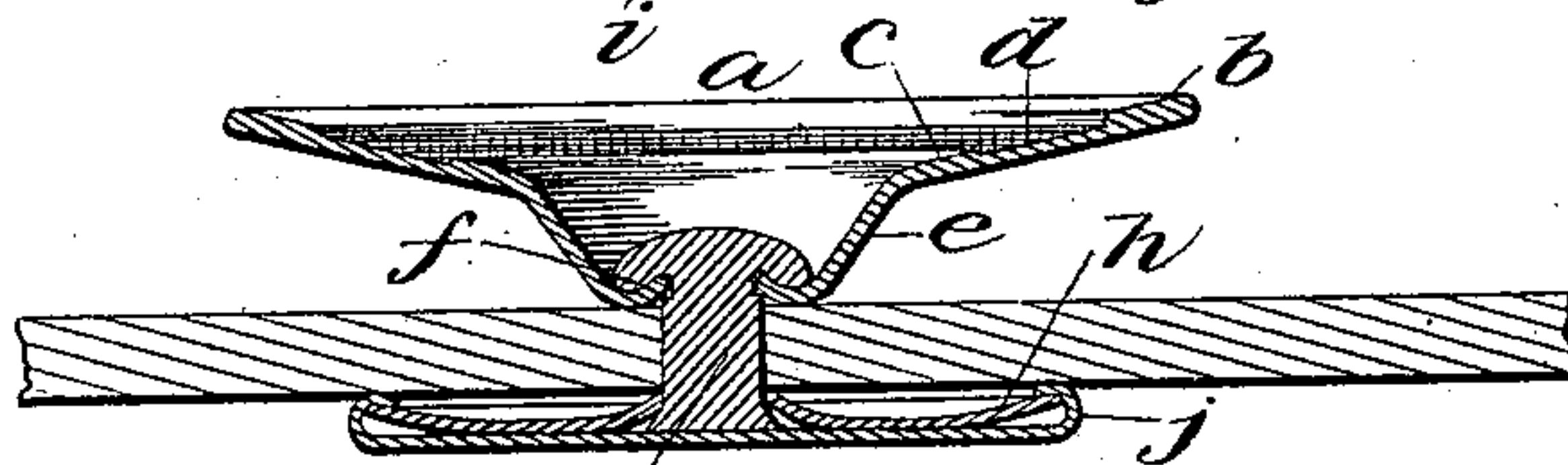


Fig. 4

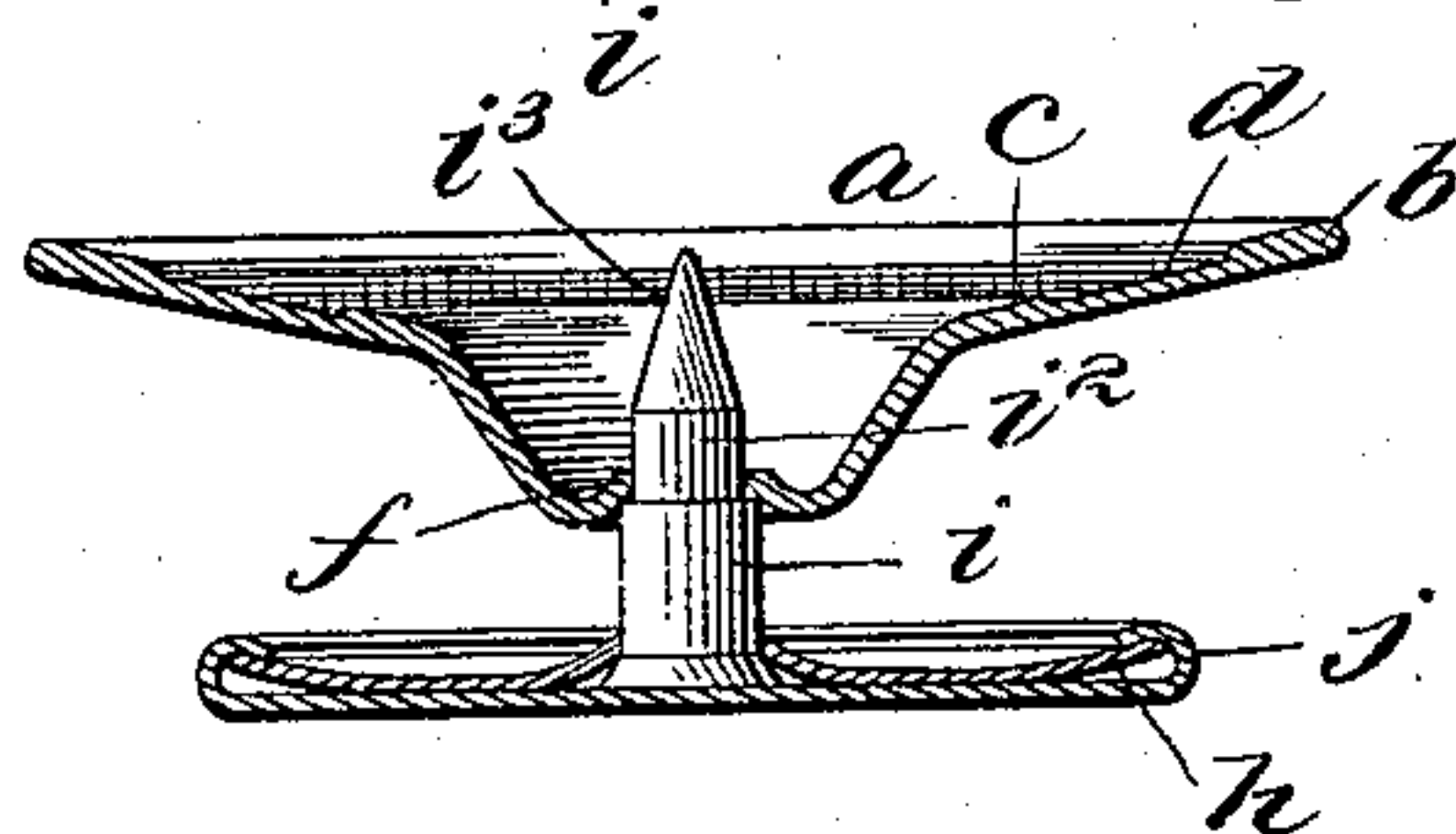


Fig. 5

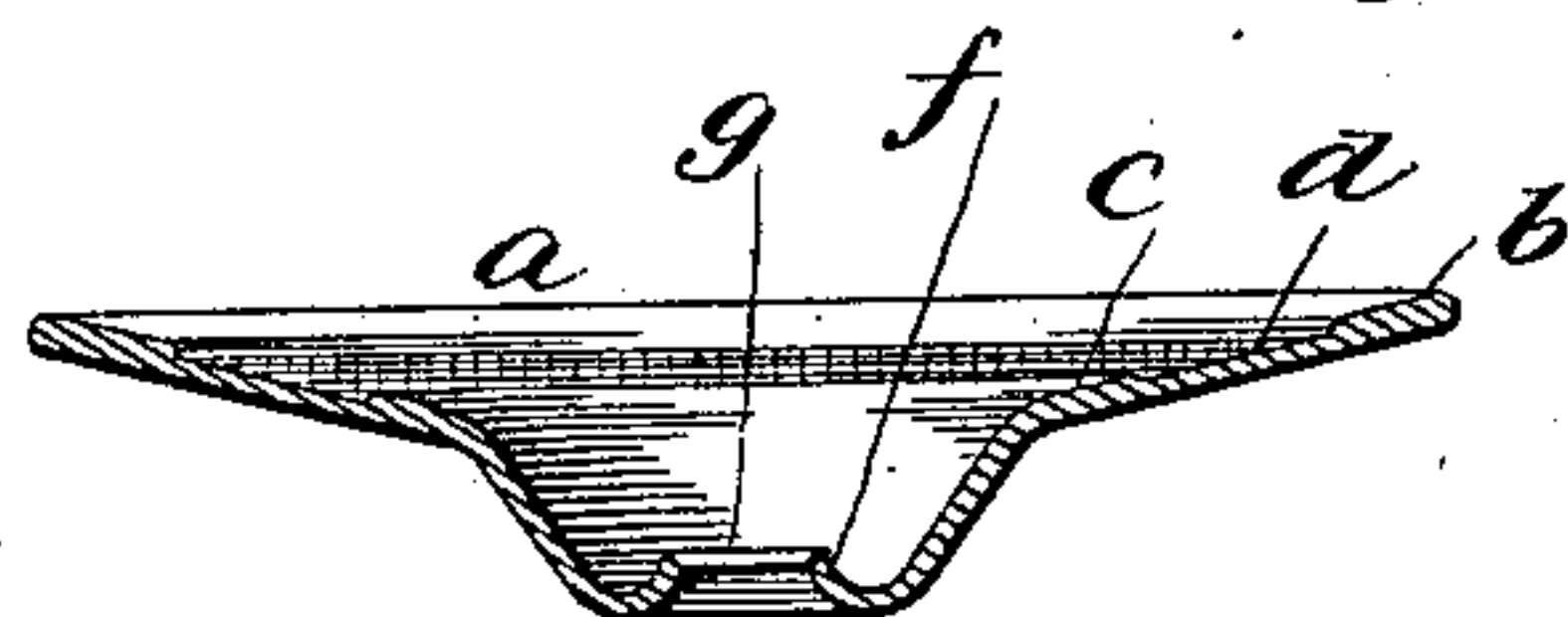
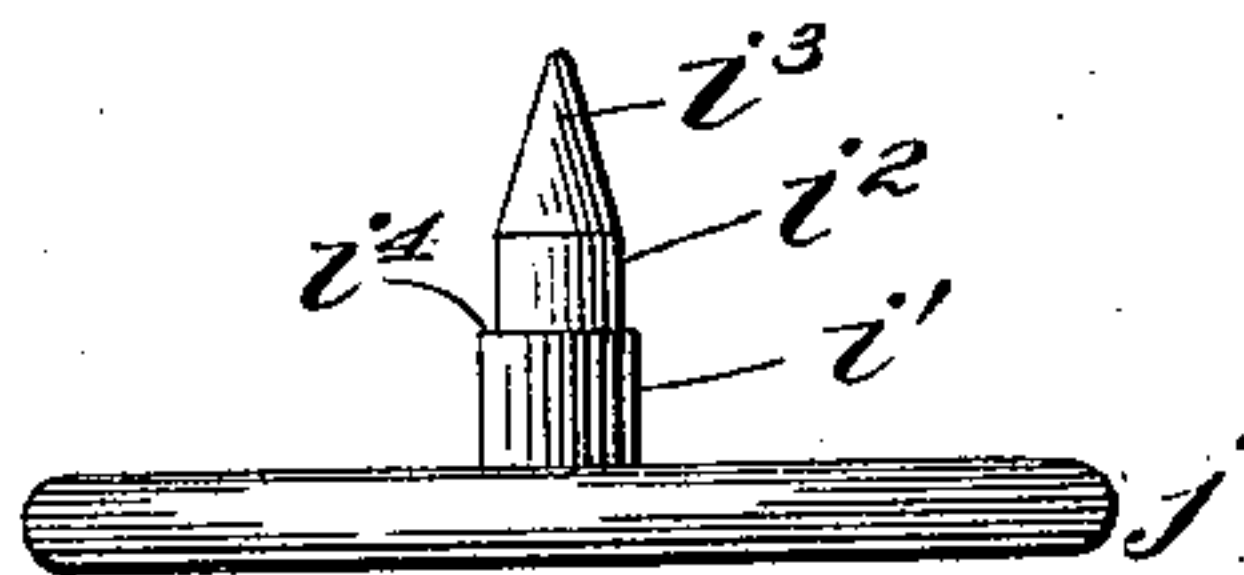


Fig. 6



Witnesses
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att'y.

UNITED STATES PATENT OFFICE.

THEOPHILUS R. HYDE, JR., OF WATERBURY, CONNECTICUT, ASSIGNOR TO
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TACK-FASTENED BUTTON.

SPECIFICATION forming part of Letters Patent No. 576,759, dated February 9, 1897.

Application filed October 1, 1895. Serial No. 564,292. (No model.)

To all whom it may concern:

Be it known that I, THEOPHILUS R. HYDE, Jr., a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Tack-Fastened Buttons, of which the following is a full, clear, and exact description.

This invention relates to that class of buttons in which the button-head is secured to the fabric or garment by means of a tack, the point of which is upset within or in connection with the said button-head.

The special object of the invention is to provide a simple, strong, and slightly button of that particular class of tack-fastened buttons which are known as "open-faced" buttons or "one-piece" buttons and in which the upset end of the tack is exposed in the face of the button, although, as will appear later on, the invention is applicable to closed-face buttons.

The invention consists, in its most restricted form, of a one-piece button-head having a perforated hub or shank depressed from the center of the button-head and having its bottom around the perforation raised or countersunk from the back faceward, combined with a self-entering or pointed tack or tack-like fastening adapted to make a hole for itself in the fabric to which the button is to be applied and to enter the button-head and having a shouldered shank, the shoulder being arranged below the self-entering point of the tack and being adapted to fit into and be arrested by the countersunk portion of the hub, the point of the tack extending into the button-head and being upset therein against the inner portion of the countersink, whereby the button-head will be firmly and squarely secured between said shoulder and the upset point of the tack and thereby a sightly finish be made.

In the accompanying drawings, illustrating my invention, in the several figures of which like parts are similarly designated and in which all of the views illustrate an open-faced button, Figure 1 is a plan view of the button attached to a piece of cloth, and Fig. 2 is a side elevation showing the cloth in section. Fig. 3 is a longitudinal section of Figs. 1 and

2. Fig. 4 is a longitudinal section showing the tack entering into the button-head, but not upset. Fig. 5 is a cross-section of the button-head alone, and Fig. 6 is a side elevation of the tack or fastening.

Describing now a preferred form of my invention and as illustrated in the drawings, but without thereby limiting my invention thereto, *a* may represent the button-head, in this instance shown as composed of the face having the concentric bright rims *b c*, with the interposed checkered field *d*, and the central depressed hub or shank *e*, all made of a single piece of any suitable metal. Heretofore it has been common to make these one-piece buttons with the curvature of the hub continuous, but I have discovered that by providing the hub with a central faceward countersink *f*, surrounding the perforation therein, for the passage of the tack or fastening a much better union of the button-head with the fastening may be effected, and accordingly I have surrounded the tack opening or perforation *g* of the button-head with the raised portion hereinbefore designated as the "faceward" countersink *f*.

The tack herein shown is composed of the base *h*, in which is fastened the shank *i* by its root. This shank is shown as composed of the two cylindrical portions *i'* *i''* and the tapering point *i'''*, a shoulder *i''''* being formed on the line of division between the two cylindrical portions *i'* *i''*. The tack is provided with a cover *j*, of bright metal, or cloth, or other substance or material, as may be desired. Any other form of tack or fastening may be employed in connection with this button-head, the essence of this invention, so far as the fastening is concerned, being a tack having a shouldered shank, which shank co-operates with the countersink in the base of the hub of the button for perfecting the union of the head of the button and the fastening when the point of the fastening is upset within the button; and it is optional to make the shoulder on the shank straight or square, as shown, or conical or curved to conform to the countersink.

As already intimated, the invention is applicable to other than open-faced buttons, and this statement is deemed sufficient to in-

clude as within the invention closed-face buttons and buttons made with an integral shank and also buttons made with applied shanks.

What I claim is—

- 5 A tack-fastened button, composed of a button-head having a hub or shank in which is an opening for the engagement of the fastening, which opening is surrounded by a faceward countersink, and a fastening composed
10 of a self-entering pointed tack having its shank provided with a shoulder adapted to rest within the countersink, and also having a point, of less diameter than the shoulder, adapted to pass through the opening in the

hub to carry the shoulder up to and within 15 the countersink, the said point being adapted and designed to be upset within said hub and against the faceward portion of the countersink, thereby firmly and squarely to secure the button-head between said shoulder and 20 said upset point, substantially as described.

In testimony whereof I have hereunto set my hand this 30th day of September, A. D. 1895.

THEOPHILUS R. HYDE, JR.

Witnesses:

CHARLES FEHL,
C. M. DE MOTT.