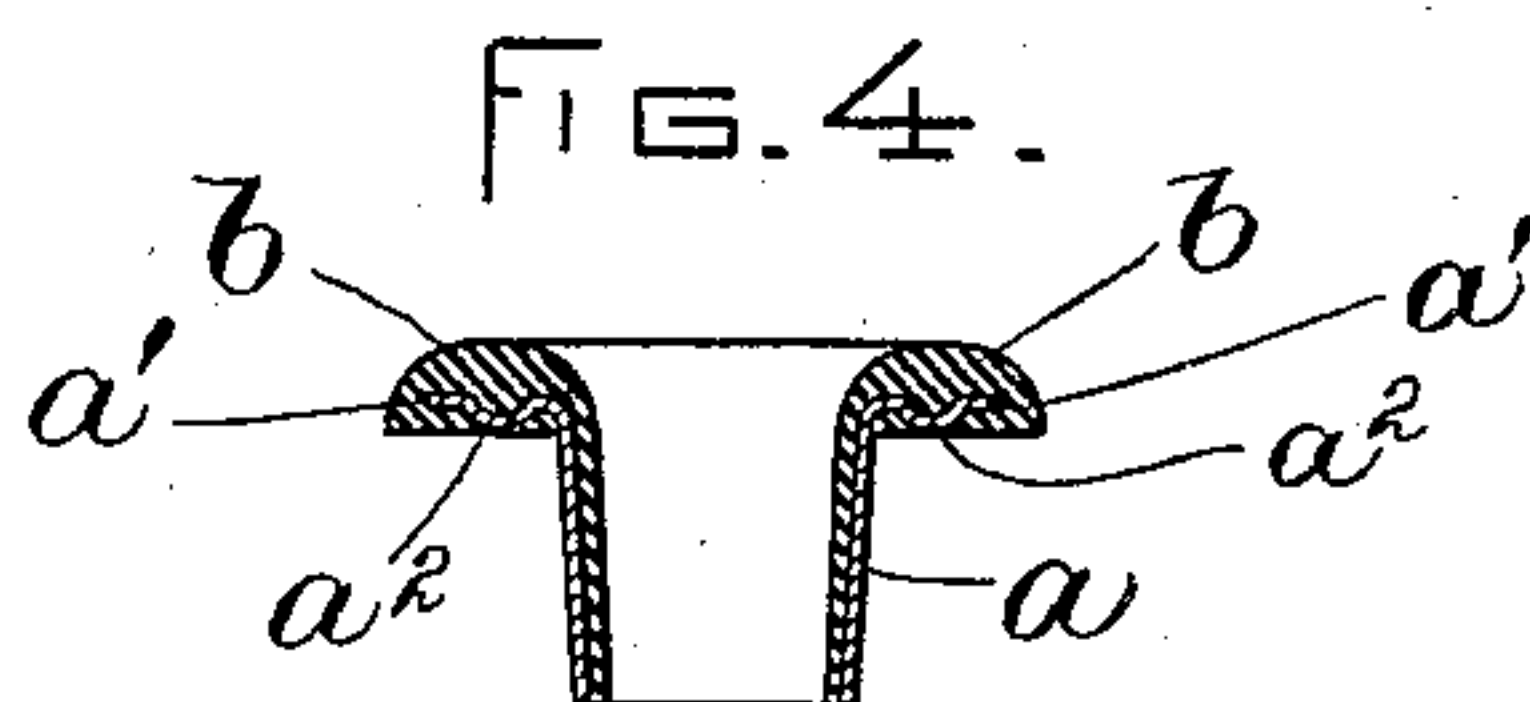
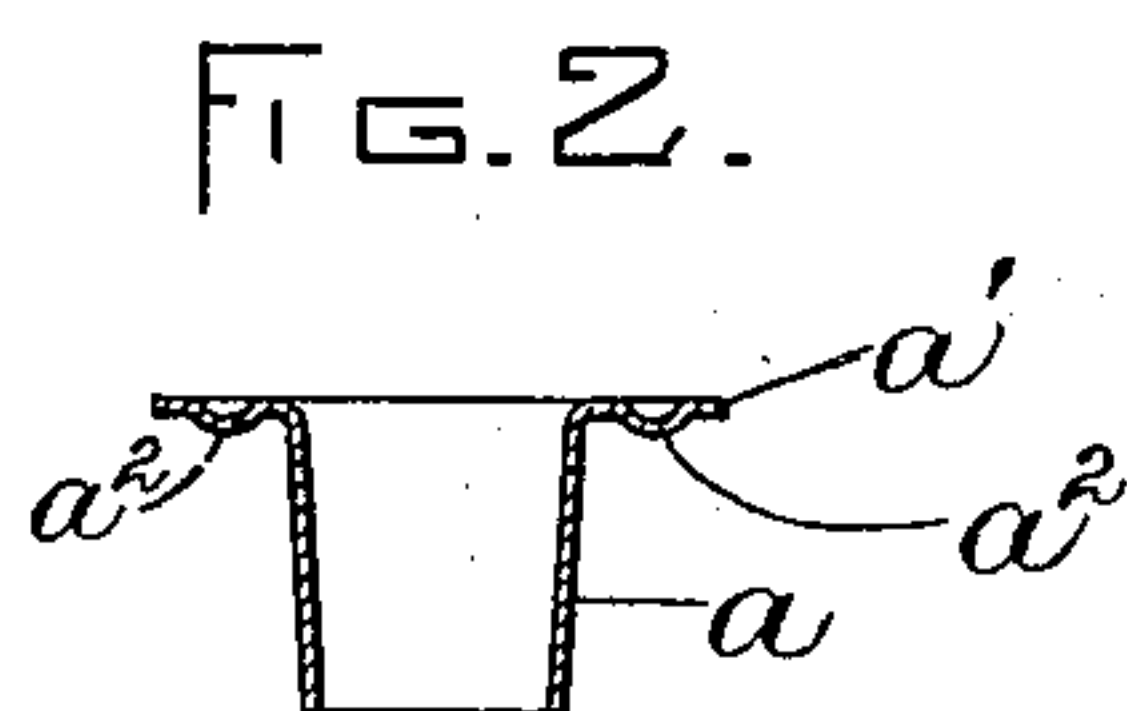
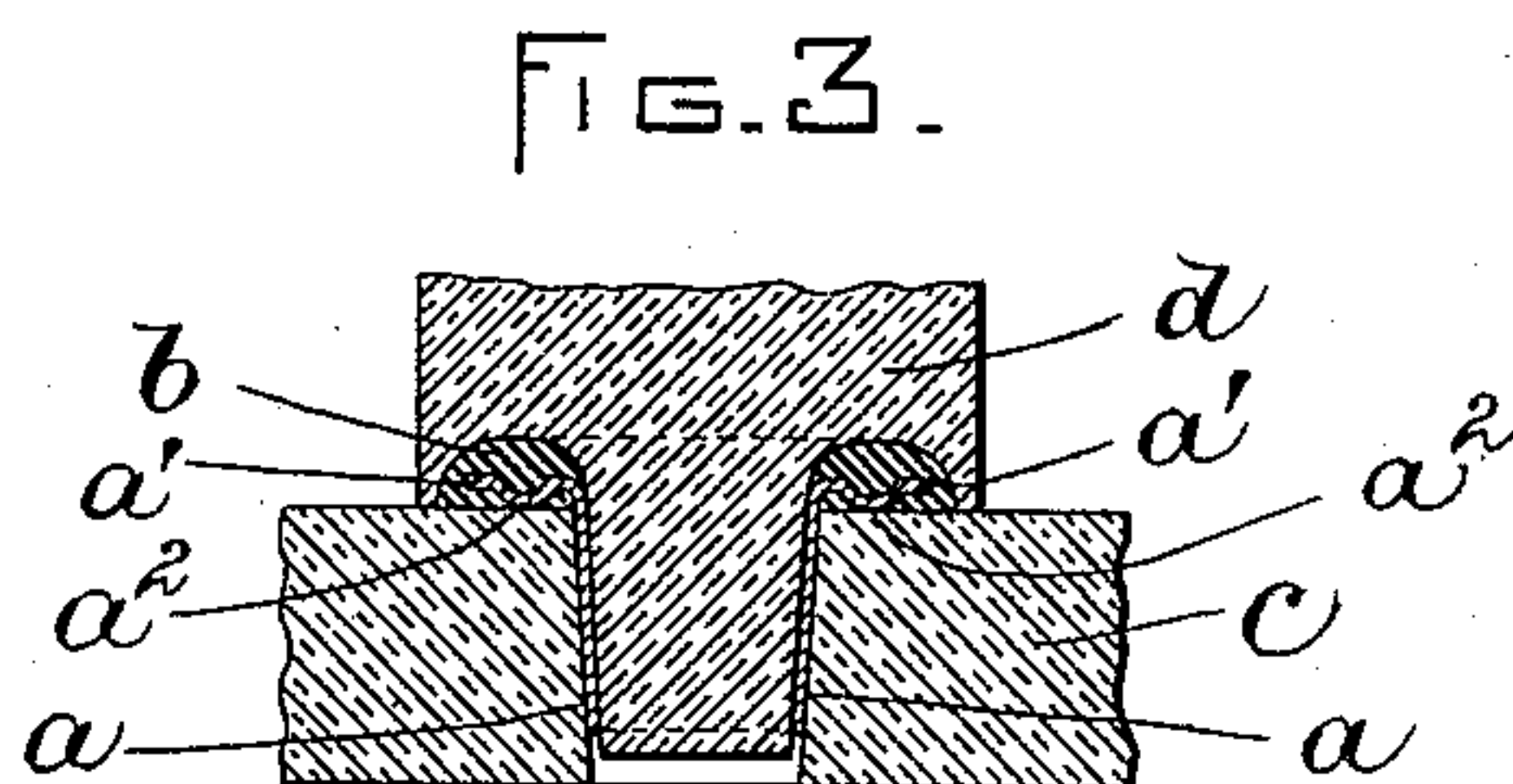
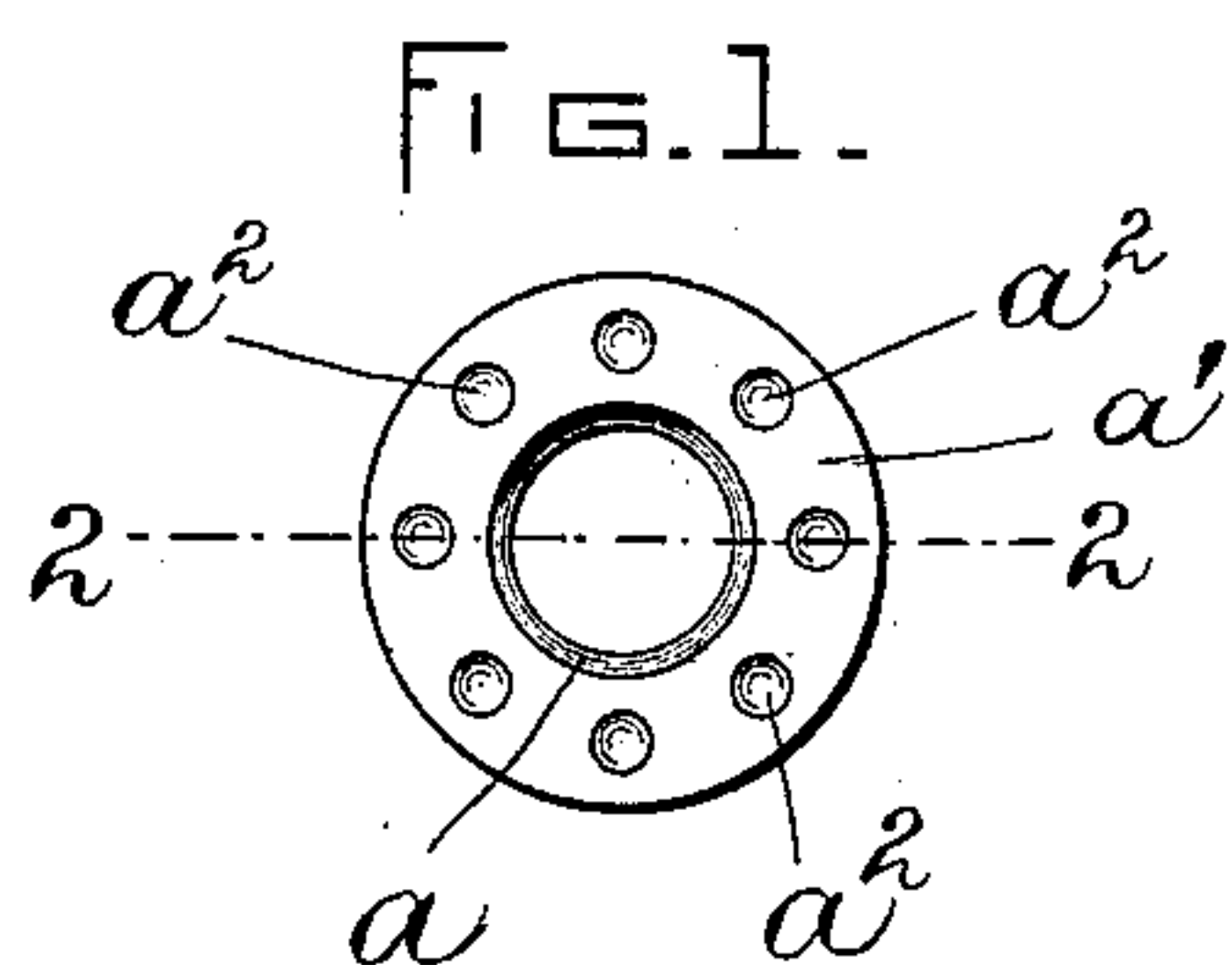


(No Model.)

E. KEMPSHALL.
EYELET.

No. 606,061.

Patented June 21, 1898.



WITNESSES:
A. D. Harrison.
Rollin Abell.

INVENTOR:
E. Kempshall
by Wright Brown & Dunbar
Attys

UNITED STATES PATENT OFFICE.

ELEAZER KEMPSHALL, OF SHARON, MASSACHUSETTS, ASSIGNOR TO THE
BOSTON FAST COLOR EYELET COMPANY, OF BOSTON, MASSACHUSETTS.

EYELET.

SPECIFICATION forming part of Letters Patent No. 606,061, dated June 21, 1898.

Application filed April 25, 1895. Serial No. 547,082. (No model.)

To all whom it may concern:

Be it known that I, ELEAZER KEMPSHALL, of Sharon, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Eyelets, of which the following is a specification.

This invention relates to eyelets the heads or exposed portions of which are covered with a material, such as pyroxylin, which is molded upon the eyelet while in a plastic condition and subsequently becomes rigid.

The invention has for its object to provide certain improvements in eyelets of this class whereby the molded head may be readily applied to the portion of the eyelet with which it comes in contact and will be securely engaged with the eyelets, so as to form an annular head of the desired form.

The invention consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a plan view of my improved eyelet before the covering is applied. Fig. 2 represents a section on line 2 2 of Fig. 1. Fig. 3 represents a sectional view showing the eyelet in place in the dies which form the head thereon. Fig. 4 represents a sectional view of the completed eyelet.

The same letters of reference indicate the same parts in all the figures.

In the drawings, a represents the body of the eyelet, which is of substantially cylindrical form and is preferably slightly tapered, as shown, and a' represents the flange which stands in a plane substantially at right angles to the direction of length of the body a .

In carrying out my invention I provide the flange a' with a series of bosses a^2 , projecting inwardly from its inner surface and formed by indenting the flange so as to displace portions of its material, and thus form the said bosses. I show the bosses of concavo-convex form, such as would be produced by subjecting the flange to pressure between a convex and a concave die, the latter being larger than the former, the convex die displacing

the metal without perforating or breaking it. The bosses a^2 are intended to bear upon the upper surface of a die-plate c , which supports the eyelet while the covering b is being applied to the flange thereof, said bosses raising the flange above the plate c , so that the die d , which descends and forms the head, is enabled to force the material or composition from which the head is formed under all parts of the flange, the spaces between the bosses forming channels which permit the inward movement of the material to the body of the eyelet at the under side of the flange.

It will be seen that the bosses prevent any pressure exerted upon the material below the flange from forcing said material upwardly through the flange, the bosses differing in this respect from eyelet-shaped openings formed in the flange and presenting clear openings, through which the material may be pressed upwardly from the under side of the flange.

I claim—

1. An eyelet having an outwardly-projecting flange provided with bosses projecting from its inner side, and a covering molded on said flange, the said bosses forming channels under the flange through which the material of the covering finds access to the inner portion of the inner side of the flange.

2. An eyelet having a flange at its outer end, means upon said flange for engaging a die-plate, whereby a covering of plastic material may be molded about the top and bottom of said flange.

3. As an article of manufacture, a fastener-body formed with a flange, and supporting feet projecting from the under or inner side of said flange, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 20th day of April, A. D. 1895.

ELEAZER KEMPSHALL.

Witnesses:

C. F. BROWN,
A. D. HARRISON.