

No. 743,909.

PATENTED NOV. 10, 1903.

A. F. MITCHELL.

EYELET.

APPLICATION FILED JULY 10, 1902.

NO MODEL.

Fig. 1.

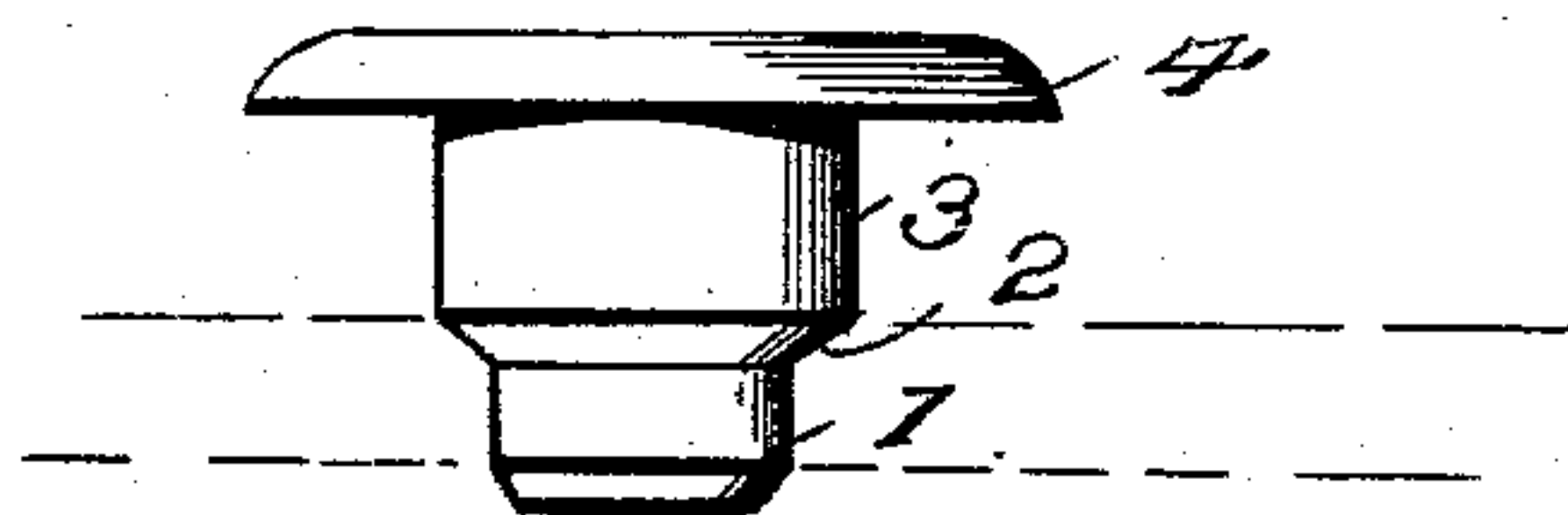


Fig. 2.

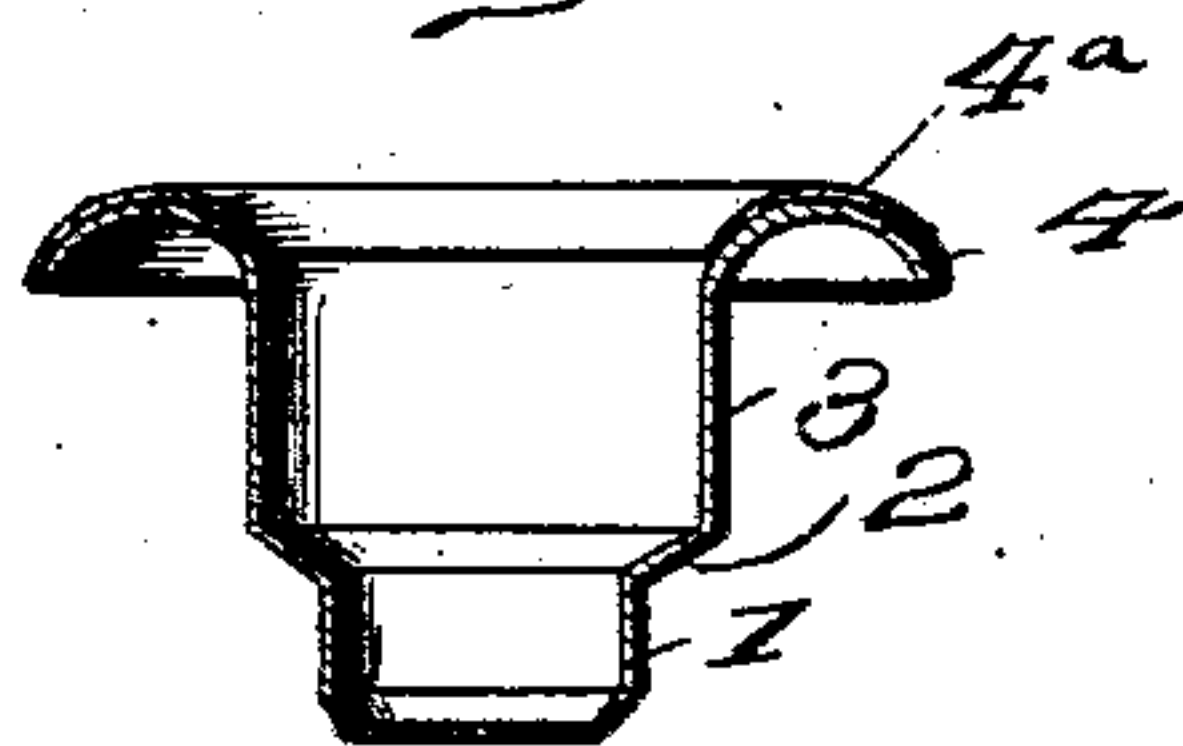


Fig. 3.

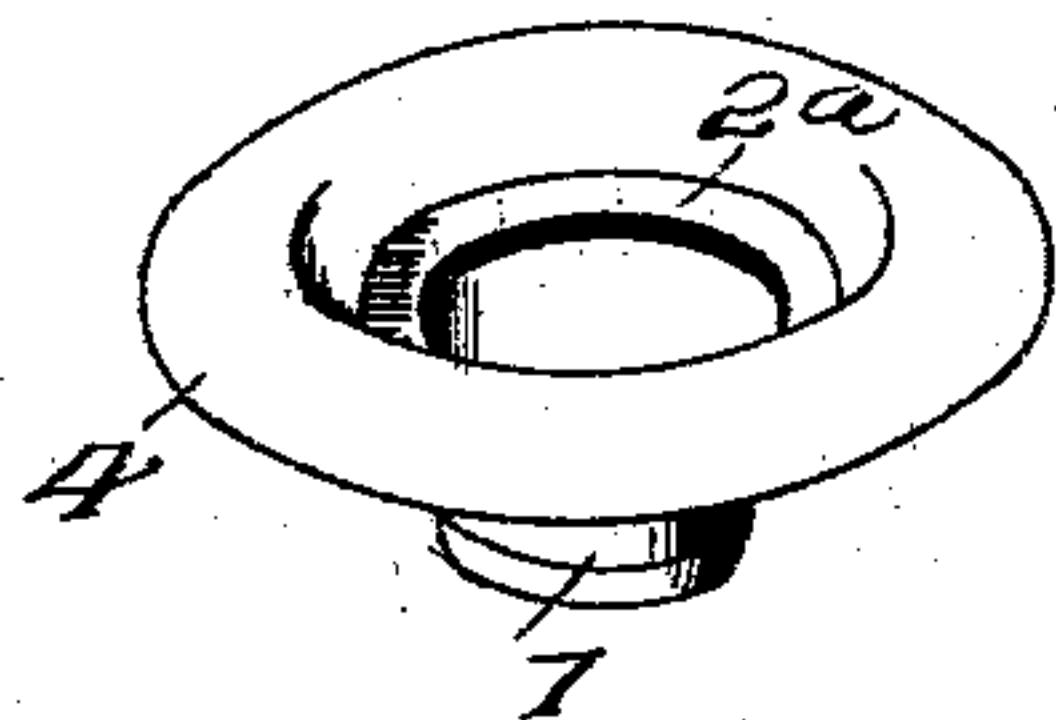
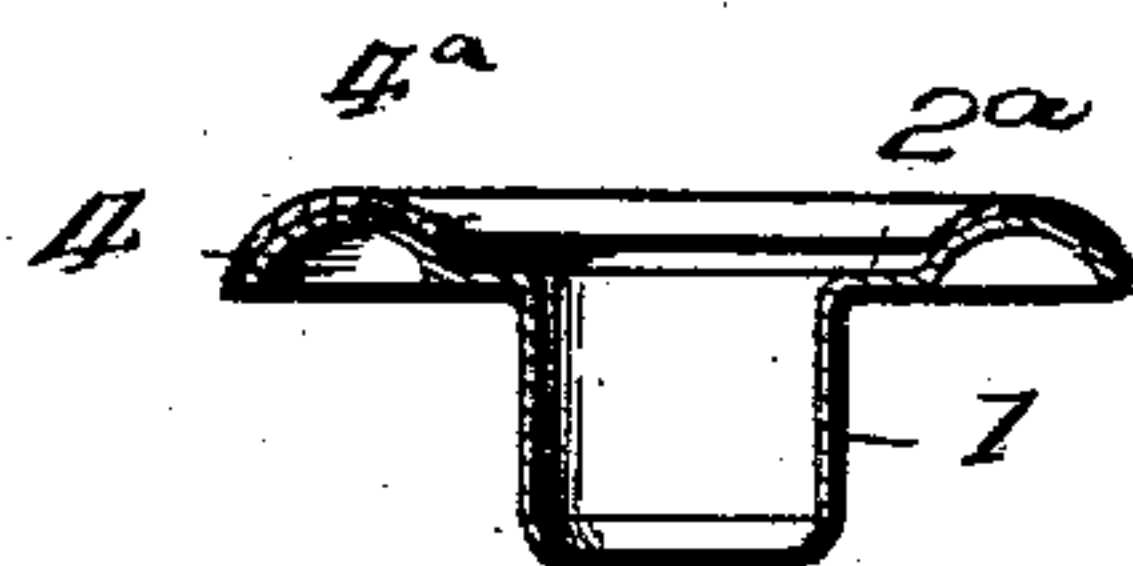


Fig. 4.



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# UNITED STATES PATENT OFFICE.

ANDREW F. MITCHELL, OF NEW BEDFORD, MASSACHUSETTS, ASSIGNOR OF  
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## EYELET.

SPECIFICATION forming part of Letters Patent No. 743,909, dated November 10, 1903.

Application filed July 10, 1902. Serial No. 115,047. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW F. MITCHELL, of New Bedford, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Eyelets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this invention is to enable an eyelet or eyelet-hook to be set without danger of damaging or injuring the enamel coating or covering on the overhanging flange or exposed surface.

It is well known that heretofore it has been very difficult and often impossible to prevent the breaking or cracking of the enamel in setting eyelets. By my invention this difficulty is entirely obviated, no strain or pressure being applied to the enameled portion of the eyelet in the setting thereof.

I provide each eyelet with a shoulder within the circumference of the central tubular portion, so as to be engaged by the setting-tool, whereby the pressure of the latter will be directly upon the shoulder without any strain upon or contact with the enameled overhanging flange.

The invention will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation of an eyelet hook or stud embodying my invention. Fig. 2 is a vertical sectional view thereof. Fig. 3 is a view in perspective of an ordinary lacing-eyelet constructed in accordance with my improvement. Fig. 4 is a vertical sectional view thereof.

Referring to the drawings, 1 designates an eyelet's tubular portion or neck, designed to be passed through the material, after which one end thereof is upset, as is customary. The upper end of this tubular portion according to the form shown in Figs. 1 and 2 is flanged outwardly to form an annular shoulder 2 at the base or inner end of a second neck or tubular portion 3 of greater diameter than the neck 1, the upper edge of neck 3 ter-

minating in an overhanging flange 4 of concavo-convex formation in cross-section. According to this construction the eyelet constitutes a hook or stud, the space between the material to which it is secured and the overhanging flange 4 allowing a lacing-string to engage therewith.

In attaching the eyelet the setting-tool engages the inner shoulder 2, and as no pressure is applied to the overhanging flange 4 there is no giving or bending thereof, and hence the enamel 4<sup>a</sup> will not crack or fall off.

In Figs. 3 and 4 I have shown the application of my invention to an ordinary eyelet, through which a lacing-string may be passed instead of engaging therewith on the outside after the form contemplated by the construction shown in Figs. 1 and 2. In this form the shoulder 2<sup>a</sup> is about on line with the edges of the overhanging flange and forms the connection between the latter and the tubular portion or neck 1. In these eyelets the edges of the overhanging flanges bear against the surface of the material to which the eyelets are secured.

The advantages of my invention are apparent to those skilled in the art. By means thereof eyelets may be set without cracking or otherwise damaging the enamel covering of the exposed surfaces, and this result is obtainable without adding in any appreciable way to the cost of manufacture. Furthermore, by forming the eyelet with an extended tubular portion, so as to throw the overhanging flange away from the material, a desirable form of eyelet hook or stud is obtained.

I claim as my invention—

1. An eyelet having an outer enameled rim, a central tubular portion, and a shoulder intermediate the enameled rim and the tubular portion, such shoulder forming a seat for the setting-tool, as set forth.

2. An eyelet having an outer overhanging rim enameled on its exposed surface, a tubular portion arranged centrally of such rim, and a flange in such tubular portion forming a seat for the setting-tool, as set forth.

3. An eyelet having a neck or tubular portion designed to be passed through the mate-



rial to which secured, a second or enlarged  
tubular portion terminating at its outer end  
in an overhanging flange, and a shoulder be-  
tween said tubular portions forming a seat  
5 for the setting-tool, said overhanging flange  
being enameled on its outer surface, as set  
forth.

In testimony whereof I have signed this  
specification in the presence of two subscrib-  
ing witnesses.

ANDREW F. MITCHELL.

Witnesses:

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ASA AUGER.