

1,430,787.

Patented Oct. 3, 1922.

Fig. 1.

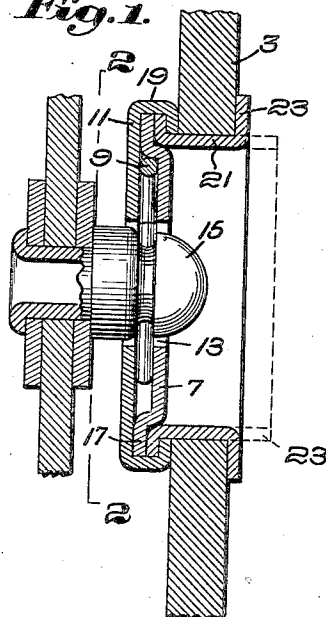
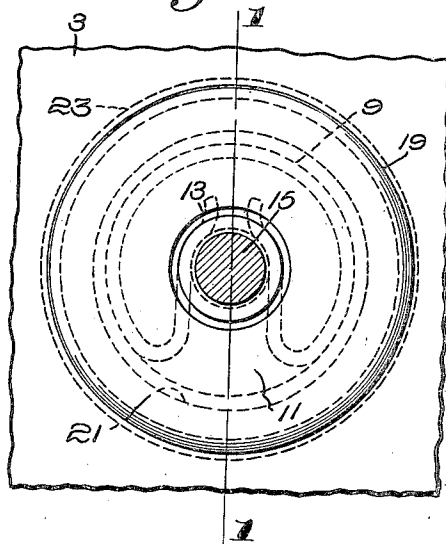


Fig. 2.



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UNITED STATES PATENT OFFICE.

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SOCKET FOR SEPARABLE FASTENERS.

Application filed January 11, 1919. Serial No. 270,734.

To all whom it may concern:

Be it known that I, DAVID BOURQUE, a citizen of the United States, and resident of Amesbury, county of Essex, State of Massachusetts, have invented an Improvement in Sockets for Separable Fasteners, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention relates to stud and socket fasteners and more particularly to the construction of a socket therefor having in view the convenient and neat application thereof to a supporting member.

My invention will best be understood by reference to the following description of an illustrative embodiment thereof shown in the accompanying drawings wherein:—

Figure 1 is a central vertical section through a stud and socket fastener substantially on the line 1—1 of Fig. 2; and

Fig. 2 is a section on the line 2—2 of Fig. 1, showing the socket in front elevation.

For convenience I have here shown the fastener as being of the type disclosed in United States patent to Fred S. Carr, No. 1,038,288, Sept. 10, 1912. The particular form of fastener, however, is not material to my invention.

While not limited thereto, I anticipate the most fruitful field for the use of my invention to be the fastening of curtains on vehicles such as automobiles. At the present time it is usual to place the male members or studs of stud and socket fasteners upon the body of the vehicle and the female members or sockets on the curtains. The projecting studs are not attractive in appearance and they sometimes catch the clothing of persons using the vehicle and tear the same. My invention contemplates more particularly the construction of an improved form of socket which may be secured to the body of the vehicle in a secure manner and will lie close to the exterior thereof presenting a neat appearance without objectionable protuberance.

Automobile bodies are to a great extent constructed from panels of sheet metal and I here disclose a fastener secured to such a panel of which a portion is indicated at 3 and serves as an example of any suitable supporting member to which the socket of my invention can be applied. It is my intention

to apply the sockets to the panels of the body before the latter are assembled and for this purpose suitable apertures are cut in the panel at proper points.

The socket here shown embodies a casing 7 preferably of cup-like form adapted to receive a spring 9 or other suitable form of stud-engaging jaw. The casing 7 is placed over the aperture so that its outer face will lie as nearly as may be flush with the outer face of the panel 3 and it is secured from movement to the interior of the panel by being engaged in suitable manner with a front plate 11 which is apertured at 13 to admit the male member or stud 15 of the fastener.

Herein I have shown the casing 7 as provided with an outwardly extending flange 17 which is embraced by the inturned marginal portion 19 of the exterior plate.

To secure the socket member in position I preferably utilize clinchable means for securing the front plate 11 to the aperture and I have herein shown a tubular rivet or eyelet 21 surrounding the casing 7 and having a portion held by the edge 19 of the outer plate 11 and having an upsettable portion 23 adapted to be riveted over on the inner side of the panel 3 to form a channel-shaped member embracing the margin of the aperture, as shown in Fig. 1.

It will be understood that conveniently the socket member of the fastener is assembled with the eyelet or rivet 21 in the position shown in dotted lines in Fig. 1 and is inserted in the panel 3 from the side which is to be the exterior, i. e., the left hand side of Fig. 1. The flange portion 23 may then be upset or riveted over to the full line position, thus securely holding the socket in position in the panel.

From the description given of the illustrative embodiment of my invention shown in the drawings it will be plain that I provide a secure fastening of the socket to the supporting member and provide for a neat external appearance of the socket which will protrude to an unobjectionable extent only from the exterior surface of the supporting member. The principles of construction exemplified by the disclosed embodiment of my invention which I regard as new and desire to secure by Letters Patent I shall define in the following claims:—

1. A socket for fasteners comprising a

jaw-receiving cup having a flange extending radially outward, a front plate having an edge turned over the flange and a fastening device having a portion held by said
5 edge and an upsettable portion at the sides of the cup.

2. In combination with an apertured supporting member, a front plate, an element having a jaw-receiving portion of no greater
10 size than the aperture aligned therewith, said element being disposed against the interior face of said plate and a clinched mem-

ber secured to the front plate adjacent the margin thereof and embracing the margin of the aperture.

3. A socket for fasteners comprising a
15 jaw-receiving cup having a flange extending radially outward, a front plate having an edge turned over the flange and a tubular rivet or eyelet surrounding the cup and se- 20 cured by said edge.

In testimony whereof, I have signed my name to this specification.

DAVID BOURQUE.