The present invention relates to a device for fastening a foot guard block to a rail adjacent a switch frog or derail and has for its prime object to provide a device of this nature which will hold the block tightly to the rail in a safe manner.

A further very important object of the invention resides in the provision of a device of this nature having spring tensioning means incorporated therein and adjustable means for regulating said tension.

A still further very important object of the invention resides in the provision of a fastening device of this nature which is simple in its construction, inexpensive to manufacture, strong and durable, easy to manipulate and install, thoroughly efficient and reliable in use and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention consists in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:
Figure 1 is a vertical transverse section through a rail and block showing the fastener device mounted in place and in section end elevation.

Figure 2 is a perspective view of the bolt.

Figure 3 is an oblique sectional view of the body 9 and the opening in the web, and means associated with the bolt to place the desired tension on the spring.

A coil spring 12 is mounted in the cup-like socket member. A bolt 14 extends through the coil spring, the cup-like socket member, and the openings 8 and 6. The head 15 of the bolt has an exterior diameter such as will slide inside the body 9. A slot 16 is formed in the bolt. A washer 17 is disposed about the bolt between the slot 16 and the web 5. A wedge shaped key 19 provided with a plurality of openings 20 is driven into the slot 6 and engages the washer 17 as disclosed particularly in Figure 3 to a sufficient distance to place the desired tension on the spring 12 for holding the block 9 tightly and safely against the web 5. Then a cotter pin 21 is placed through one of the openings 20 to prevent the accidental removal of the key.

It is thought that the construction, operation, utility and advantages of this invention will now be quite apparent to those skilled in this art without a more detailed description thereof.

The present embodiment of the invention has been described in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

In combination, a rail including a web having an opening, a foot guard block abutting the web and having an opening registering with the opening of the web and said opening in the block having an enlarged part which extends through the outer face of the block, a cup-shaped socket member in the enlarged part of the opening and including a hollow body having an outturned flange at its outer end disposed along the outer surface of the block, a coil spring in the body, a bolt extending through the coil spring, the member, the opening in the block, and the opening in the web, and means associated with the bolt to place the desired tension on the spring.

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