H. C. WILLIAMS.

SIGNAL BLADE CLASP.

APPLICATION FILED SEPT. 17, 1907.
To all whom it may concern:

Be it known that I, HIRAM C. WILLIAMS, a citizen of the United States, residing at Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Signal-Blade Clasps; 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in signal blade clasps and the object of the invention is to produce a simple and efficient means whereby the blades of signals used in block system upon railroads may be easily removed and replaced, and comprises various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

My invention is illustrated in the accompanying drawings, in which:

Fig. 1 is a side elevation of an apparatus having my invention applied thereto. Figs. 2 and 3 are enlarged detail views of the parts disassembled. Fig. 4 is an enlarged plan view of one end of the fastening device. Fig. 5 is a side view of the pivotally mounted weighted member. Fig. 6 is an edge view of a modified form. Fig. 7 is a view showing an integral bolt upon the modified form, and Fig. 8 is a side view of the modified form illustrated in Fig. 6.

Reference now being had to the details of the drawings by letter, A designates the standard or post supporting the signal which is commonly used in block signals upon railways.

B designates a weighted member, preferably of metal, which is pivotally mounted upon the pin C carried by the post. Said member is provided with a recess upon one side of its pivot, as shown clearly in Fig. 2 of the drawings and designated by letter D, in which one end of the blade E of the signal is adapted to be held. Heretofore blades of signals of this character have been held in place by means of a plurality of bolts, preferably six, thus necessitating a considerable time in the removal of the blade and replace-
2. A signal blade clasp comprising, in combination with a pivotal weighted member, a blade having apertures registering with apertures in said member, a plate having integral tungs adapted to pass through registering apertures in said blade and member, a bolt carried by the plate and extending through the blade and member, and a nut upon said bolt, as set forth.

4. A signal blade clasp comprising, in combination with a pivotal weighted member, said member having a recess in one face thereof at one side of its pivot with apertures in the wall thereof, a plate adapted to seat in said recess and provided with an aperture in registration with the apertures in said member, a plate having integral tungs engaging said registering apertures, a bolt carried by the plate and extending through said blade and member, and a nut mounted upon said bolt, as set forth.

5. A signal blade clasp comprising, in combination with a pivotal weighted member, said member having a recess in one face thereof at one side of its pivot with apertures in the wall thereof, a blade adapted to seat in said recess and provided with an aperture in registration with the apertures in said member, a plate having radial arms, a tang projecting from each arm and adapted to pass through registering apertures in the blade and member, a bolt passing through a central aperture in said plate and also through registering apertures in the blade and member, and a nut mounted upon said bolt, as set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

HIRAM C. WILLIAMS.

Witnesses:

WILLIAM F. BOSSELT,
F. HARVEY FERRIS.