Oct. 24, 1933. G. E. HUSHOUR 1,931,823

CLIMBER GAFF GUARD

Filed April 24, 1933 2 Sheets-Sheet 1

Fig. 1.

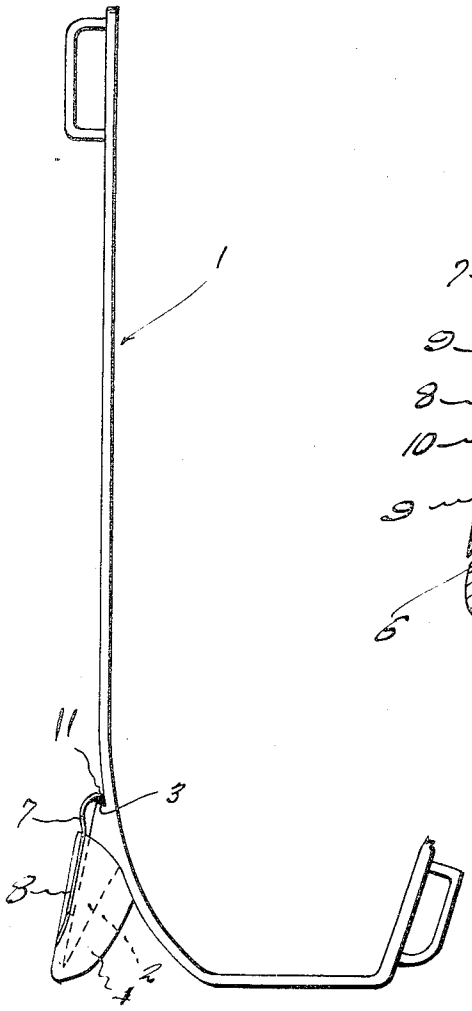


Fig. 2.

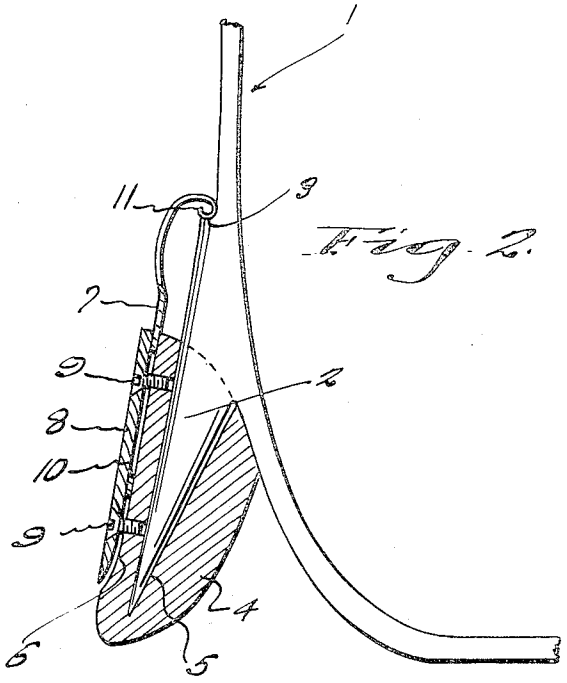


Fig. 3.

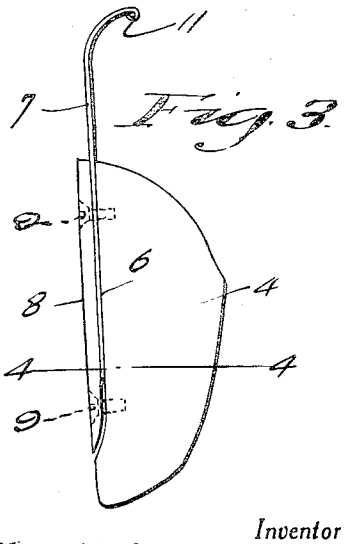
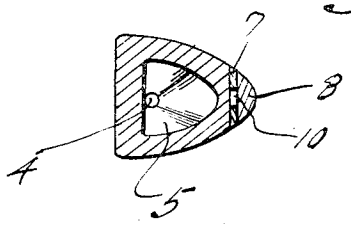


Fig. 4.



Inventor

Garland E. Hushour

By Clarence A. O'Brien

Attorney

Oct. 24, 1933. G. E. HUSHOUR 1,931,823

CLIMBER GAFF GUARD

Filed April 24, 1933 2 Sheets-Sheet 2

Fig. 5.

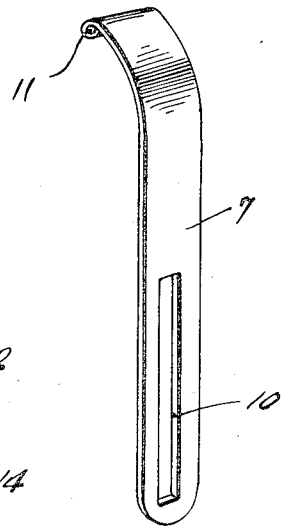


Fig. 6.

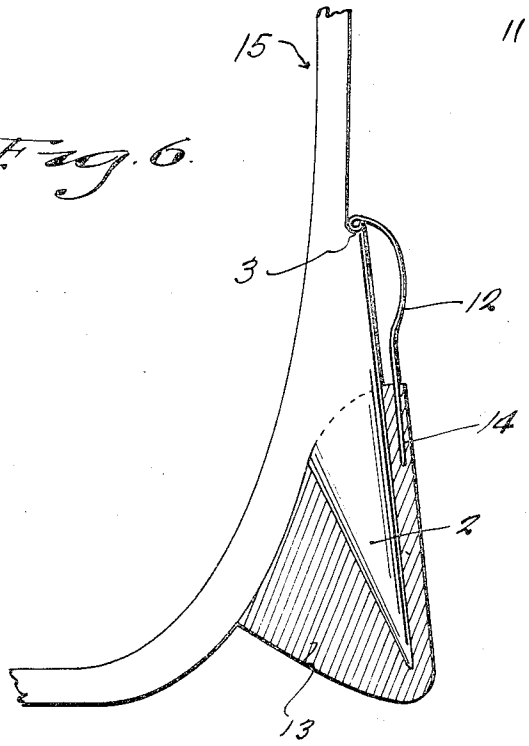


Fig. 8.

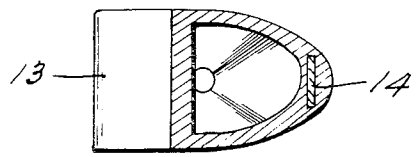
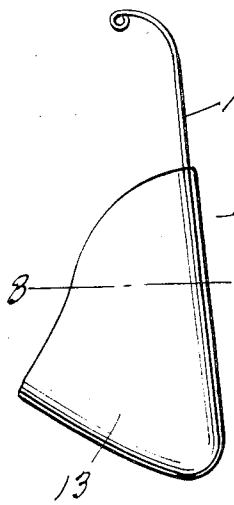


Fig. 7.



Inventor

Garland E. Hushour

By Clarence A. O'Brien

Attorney

Patented Oct. 24, 1933 1,931,823

UNITED STATES PATENT OFFICE

1,931,823

CLIMBER GAFF GUARD

Garland E. Hushour, Keyport, N. J.

Application April 24, 1933. Serial No. 667,711

5 Claims. (Cl. 36—60)

The present invention relates to a guard for linemen's climbers and has for its primary object to provide, in a manner as hereinafter set forth, an attachment which may be expeditiously mounted on the gaff or hook of a climber and removed therefrom and which, when mounted in position, will prevent the lineman from sustaining injuries from the gaffs of his climbers when not climbing.

Another important object of the invention is to provide a guard of the aforementioned character which will eliminate the necessity for the lineman removing his climbers when not climbing and which will protect the gaffs against damage.

Other objects of the invention are to provide a gaff guard of the aforementioned character which will be simple in construction, strong, durable, highly efficient and reliable in use, compact and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:—

Figure 1 is a view in front elevation, showing a climber with a guard in accordance with the present invention mounted thereon.

Figure 2 is a view in vertical section through the guard, showing the same mounted on a gaff.

Figure 3 is a view in front elevation of the guard.

Figure 4 is a horizontal sectional view, taken substantially on the line 4—4 of Figure 3.

Figure 5 is a detail view in perspective of the resilient retaining spring constituting an important feature of the invention.

Figure 6 is a view in vertical section through a slightly modified form of the invention.

Figure 7 is a view in front elevation of the modification.

Figure 8 is a view in horizontal section, taken substantially on the line 8—8 of Figure 7.

Referring now to the drawings in detail, it will be seen that the reference numeral 1 designates generally a well known type of climber having extending from its lower portion a gaff 2, the uppermost portion of which forms a shoulder 3, as usual.

The guard constituting the present invention comprises a metallic body 4 having a substantially conical socket 5 therein for the reception of the gaff 2. Of course, the socket 5 conforms substantially to the shape of the gaff 2, as will be understood.

The outer side of the body 4 is formed with a flat recess 6 which receives the shank portion of a resilient, flat, metallic hook 7. The hook 7 is adjustably clamped to the body 4 through the medium of a clamping plate 8 and securing screws 9. The hook 7 has formed therein a longitudinal slot 10 (see Figure 5) through which one of the screws 9 passes. It will thus be seen that, by loosening the screws 9, the resilient retaining spring 7 may be adjusted relative to the body 4. It will also be noted that the securing screws 9 are countersunk in the plate 8.

At its free end, the resilient spring 7 terminates in a loop 11 which is adapted to seat on the shoulder 3 of the climber. It will thus be seen that the body 4 will be securely, but removably, mounted on the gaff 2 of the climber. The construction and arrangement is such that when the guard is mounted on the gaff 2 the resilient retaining spring 7 is placed under tension which causes said hook 7 to snap into engagement with the shoulder 3 and which assures the retention of the hook in engagement with the shoulder. As will be apparent, the guard may be conveniently removed when desired by simply flexing the resilient spring 7 outwardly to disengage the loop 11 from the shoulder 3. The adjustability of the resilient retaining hook 7 on the body 4 permits compensation for wear and consequent shortening of the gaff 2.

In the slightly modifed form of the invention illustrated in Figures 6 to 8, inclusive, of the drawings, the reference numeral 12 designates a resilient retaining hook of flat metal which is permanently anchored or molded in the upper portion of the body 13 of the guard, as at 14. It will be noted that the body 13 is slightly different in shape from the body 4 for use on another well known climber which is on the market at present and which is designated generally by the reference numeral 15. Otherwise, the construction and mounting of the guard shown in Figures 6, 7 and 8 is substantially similar to that illustrated in Figures 1 to 5, inclusive.

It is believed that the many advantages of a guard constructed in accordance with the present invention will be readily understood, and although the preferred embodiments of the invention are as illustrated and described, it is to be understood that further modifications may be had and changes in the details of construction and combination and arrangement of parts may be

resorted to which will fall within the scope of the invention as claimed.

What is claimed is:—

1. A guard for climbers of the type including a gaff and a shoulder at one end of the gaff, comprising a body having a socket therein for the reception of the gaff, and a resilient hook on the body engageable with the shoulder for securing said body on the gaff.

2. A guard for climbers of the type including a gaff and a shoulder at one end of the gaff, comprising a body having a socket therein for the reception of the gaff, a resilient hook mounted on the body, and an integral loop on one end of the hook engageable on the shoulder, said loop and the resilient hook constituting means for securing the body on the gaff.

3. A guard for climbers of the type including a gaff and a shoulder at one end of the gaff, comprising a body having a socket therein for the reception of the gaff, a hook engageable with the shoulder for securing the body on the gaff, and means for adjustably securing the hook to the body.

4. A guard for climbers of the type including a gaff and a shoulder at one end of the gaff, comprising a body having a socket therein for the reception of the gaff, a hook engageable with the shoulder for securing the body on the gaff, and means for adjustably securing the hook to the body, the hook having a slot therein, said means including a clamping plate engageable with the hook, and securing elements for mounting the plate on the body, at least one of the securing elements passing through the slot in the hook.

5. A guard for climbers of the type including a gaff and a shoulder at one end of the gaff, comprising a body having a socket therein for the reception of the gaff, a clamping plate mounted on the body, and a hook adjustably mounted between the body and the clamping plate, said hook being engageable with the shoulder for securing the body on the gaff.

GARLAND E. HUSHOUR.