My invention relates generally to lineman's climbers, and more particularly to improvements in structural features thereof whereby the climber is rendered stronger, and thus more safe, and whereby the straps by which it is attached to the wearer may be more readily removed and replaced.

It is thus an object of my invention to provide an improved lineman's climber, (sometimes referred to as "spurs" or "hooks," which is strong, although relatively light in weight, which may be conveniently re-gaffed without possibility of injuring the attaching straps, and which may be economically manufactured.

Other objects will appear from the following description, reference being had to the accompanying drawing, in which:

Figure 1 is a side elevational view of the climber; and,

Figure 2 is a fragmentary sectional view thereof.

As illustrated in the drawing, the climber comprises a leg iron 10 which tapers toward its upper end, at which a loop 12 of conventional form is riveted, the loop being provided for attachment of the usual upward strap. A gaff 14 is riveted to the lower end of the leg iron 10 in the usual manner adjacent the foot portion 16 of the leg iron. The foot portion 16 terminates in an upwardly and outwardly bent portion 18, which is provided with a pair of outwardly extending lugs 26 and 22, forming between them a notch 24 for receiving a ring 26. The ring 26 is prevented from disengagement from the notch 24 by a rivet 28 which extends through suitable holes drilled in the lugs 26 and 22.

The ring 26 serves as a means for attachment of the ankle strap comprising a portion 30 carrying a buckle 32 and an apertured portion 34, both the portions 30 and 34 being looped about the ring 26 and secured thereto by rivets 35.

The lugs 26, 22 are formed integrally with the leg iron 10, 15, 18, and may thus readily be made sufficiently strong to withstand any unusual strains which may be placed upon them with an adequate degree of safety. Since the forces applied to the ring 26 are in a direction so as to maintain the ring 26 in the bottom of the notch 24, the pin or rivet 28 need be strong enough to prevent disengagement of the ring from the notch when the climber is not in use.

The hole for the rivet from the lug 22 has its lower end slightly countersunk so that the rivet 28 may easily be riveted in place by using a center punch, and may be removed by pounding with a suitable drift pin or similar tool. The facility with which the ring 26 may be removed is of considerable advantage when, as is frequently the case, it is found necessary to re-gaff the climber. In the course of this operation, the leg iron is, of course, heated, and if it were not possible to remove the ring 26 prior to commencing such operations, the straps 30, 34 might become charred or burnt. Furthermore, whenever it is found necessary to renew the straps, this may readily be accomplished merely by removing the rivet 28 and replacing the straps and ring as a unitary assembly, thereafter securing the rivet 28 in place by spreading the lower end thereof in the countersunk portion of the hole in the lug 22.

While I have shown and described a particular form of my invention, it will be apparent to those skilled in the art that various modifications thereof may be made without departing from the underlying principles of the invention. I therefore desire, by the following claims, to include within the scope of my invention all such modified forms thereof by which substantially the results of my invention may be obtained by the utilization of substantially the same or equivalent means.

I claim:

1. In a lineman's climber, the combination of a leg iron having a gaff and an upwardly and outwardly extending portion at its lower end, a pair of outwardly extending lugs formed integrally with said portion to provide a ring-receiving notch, a strap-attaching ring fitting in said notch, and a removable securing element extending through said lugs and across said notch to retain said ring therein.

2. In a lineman's climber, the combination of a leg iron having a gaff-carrying shank and a foot-supporting portion, a pair of outwardly extending lugs formed integrally with said portion near the end thereof to provide a notch between them, a metallic strap attaching element embraced in said notch, and a removable securing element extending through said means and across said notch to retain said element therein.

3. In a lineman's climber, the combination of a leg iron having a gaff-carrying shank and a foot-supporting portion, means formed integrally with said foot-supporting portion near the end thereof to provide a notch, a metallic strap attaching element extending through said notch, and a removable fastener having a part extending through said means and across said notch to retain said element therein.