

Feb. 14, 1950

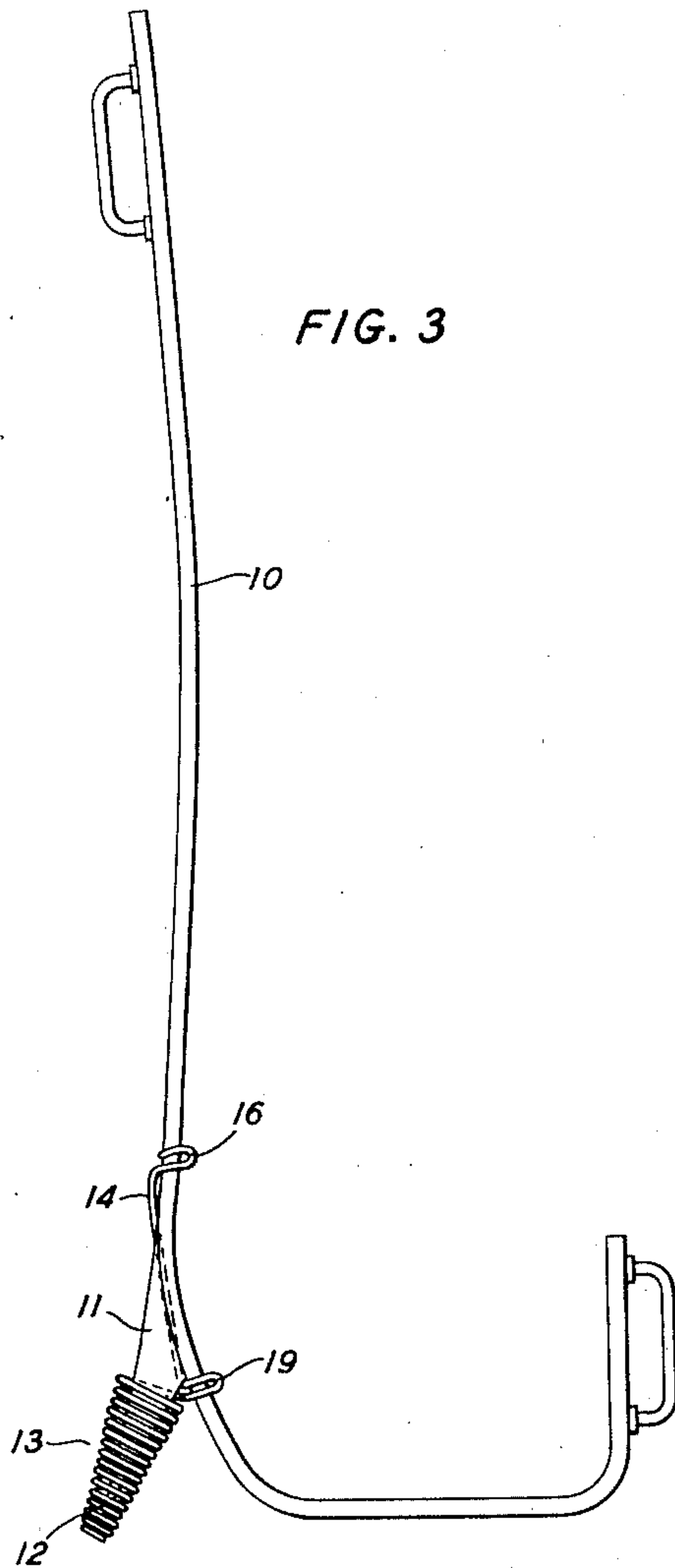
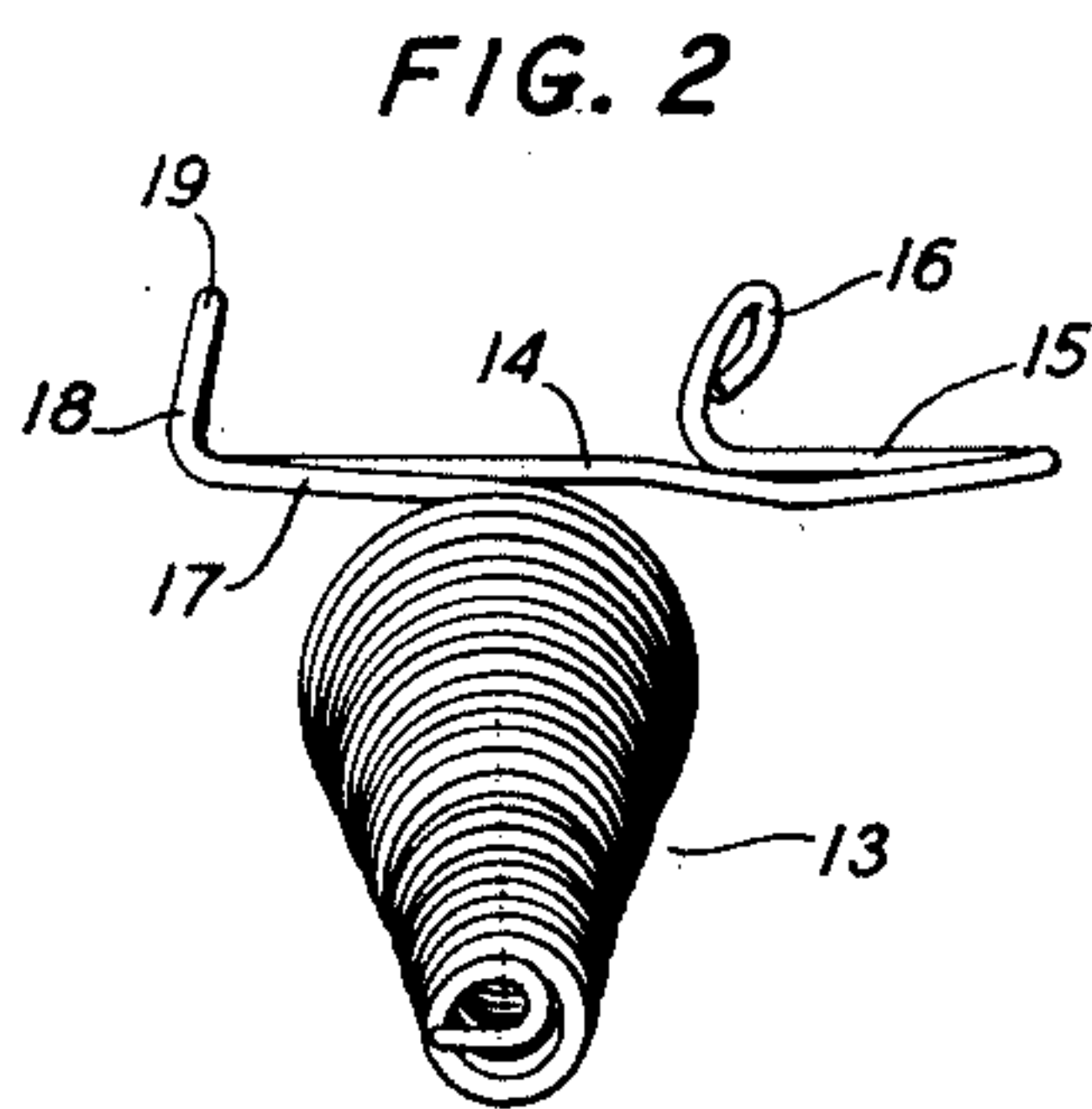
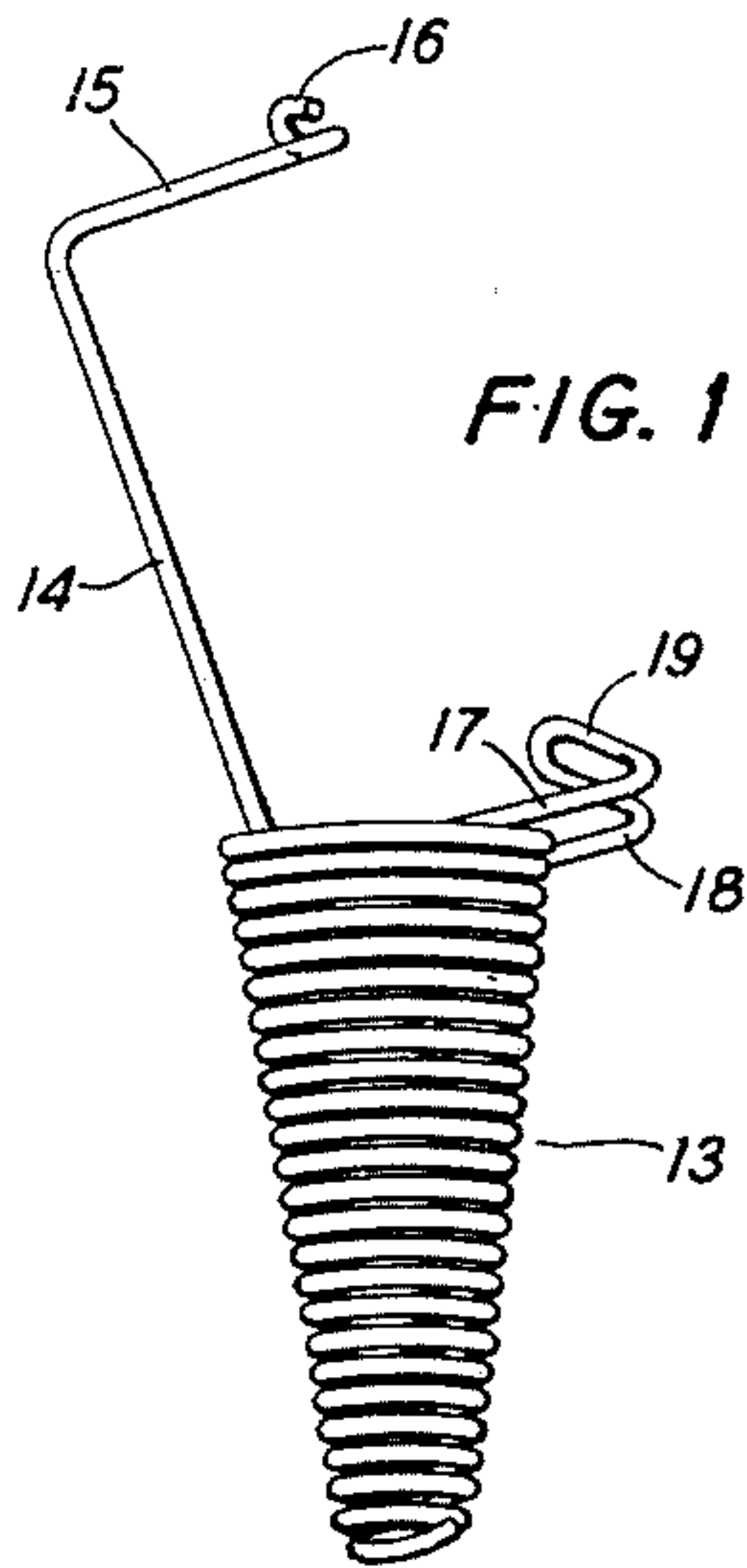
C. N. WOLLENSACK

2,497,710

GAFF GUARD FOR LINEMEN'S CLIMBERS

Filed Oct. 15, 1947

2 Sheets-Sheet 1



INVENTOR
C. N. WOLLENSACK
BY *Harold Patton*
ATTORNEY

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C. N. WOLLENSACK

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2 Sheets-Sheet 2

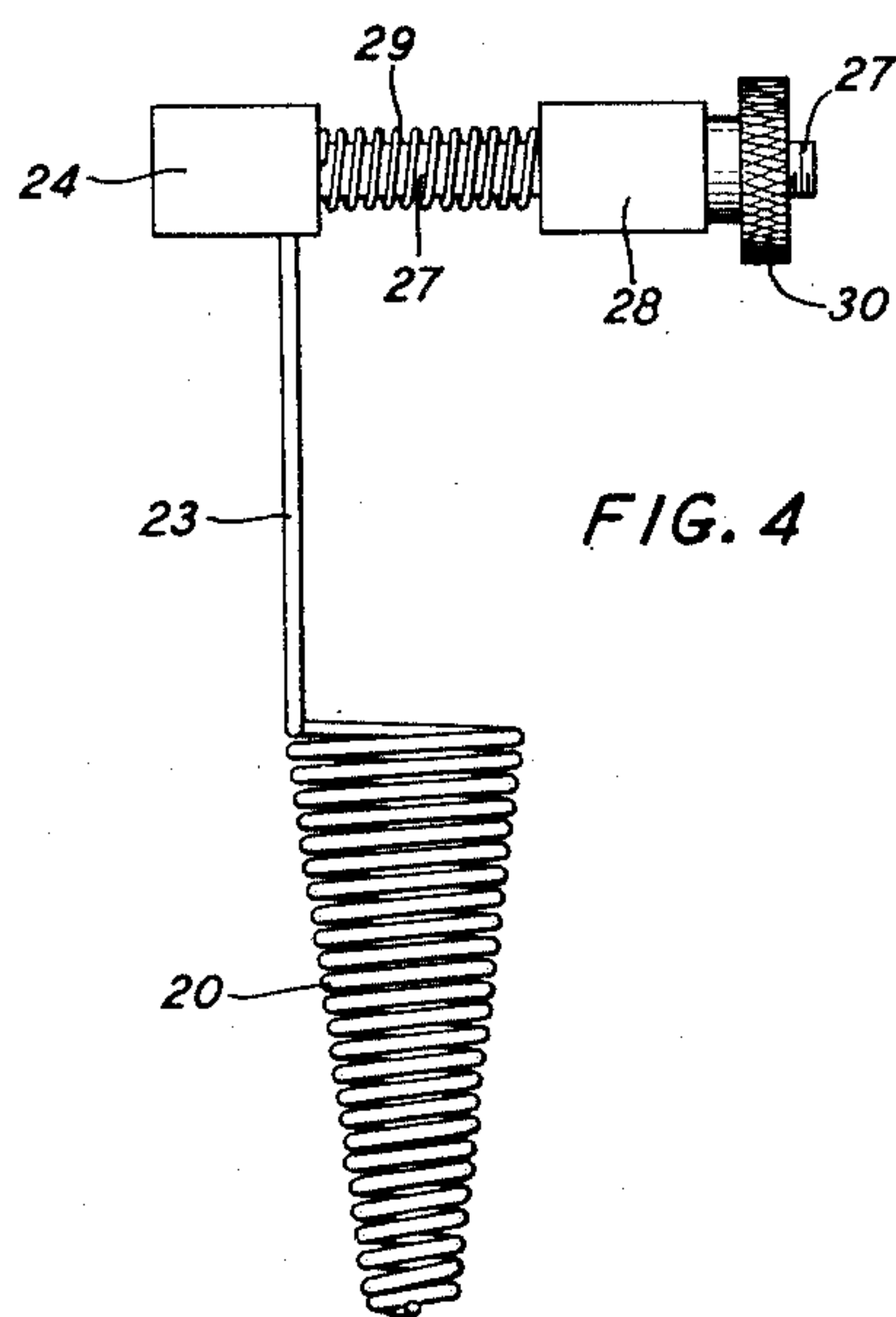


FIG. 4

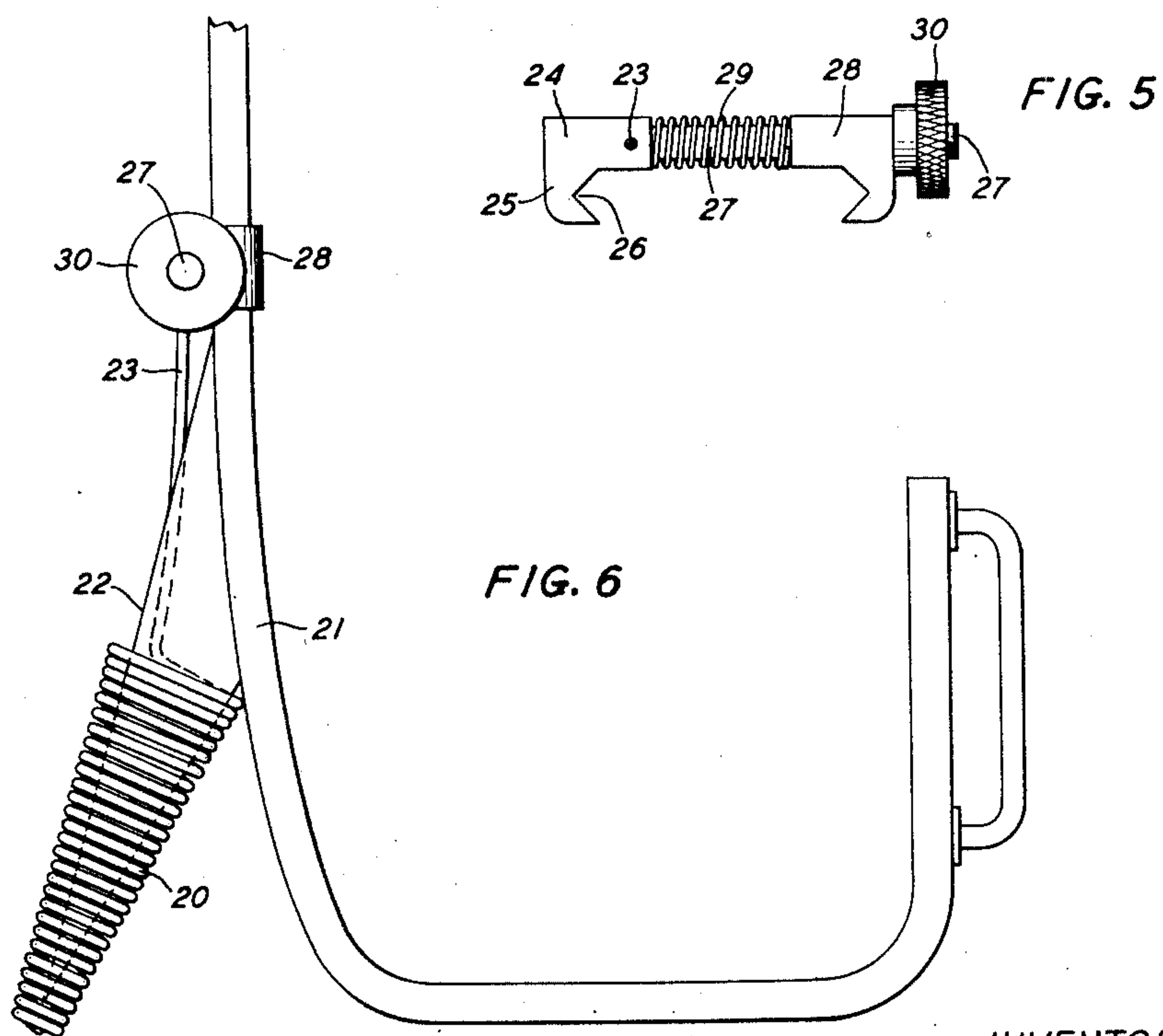


FIG. 6

INVENTOR
C. N. WOLLENSACK
BY *A. A. Patton*
ATTORNEY

UNITED STATES PATENT OFFICE

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GAFF GUARD FOR LINEMEN'S CLIMBERS

Clifford Nelson Wollensack, New Haven, Conn.,
assignor to American Telephone and Telegraph
Company, a corporation of New York

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6 Claims. (Cl. 227—27)

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This invention relates to gaff guards for line-
men's climbers and more particularly to a guard
which may be readily positioned over the gaff or
spur on the leg iron of the climber and removed
therefrom with a minimum amount of energy and
which when mounted in position will prevent injury
to the person handling the climber and also prevent
damage to the gaff.

The object of the invention is to provide, in
a single unitary structure, a guard or protector
for the gaffs or spurs of linemen's climbers which
is firmly secured in position over the gaff to
completely protect the point and which will not
be unintentionally displaced.

The gaff guard of my invention comprises a
conical-shaped gaff-enclosing member con-
structed in the form of a coiled spring and means
integral therewith for securing it over the gaff
or spur on the leg iron of the climber.

In a modified form of my invention I have
provided adjustable means associated with the
guard for clamping it to the leg iron of the
climber.

My invention will be more clearly understood
from the following detailed description when read
with reference to the following drawings of
which:

Figure 1 is a front elevational view of the guard
of my invention;

Fig. 2 is an end view in perspective, of the guard
shown in Fig. 1;

Fig. 3 is a side elevational view of a leg iron,
of a climber, with the guard shown in Fig. 1 in
position thereon;

Fig. 4 is a front elevational view of a modified
form of the invention which incorporates an ad-
justable clamping means for securing the guard
to the leg iron of the climber;

Fig. 5 is a top plan view of Fig. 4; and

Fig. 6 is a side elevation fragmentary view of
a leg iron of a climber with the guard shown in
Fig. 4 in position thereon.

With reference to Fig. 3 of the drawing, the
numeral 10 designates the leg iron of a lineman's
climber which has positioned on its outer side
a gaff or spur 11, which extends downwardly
and outwardly and terminates in a sharp point 12.

The guard or protector, as shown in Figs. 1,
2 and 3, comprises a conical-shaped coiled spring
enclosing member 13 having integral therewith
an extending arm portion 14, said arm having
its free end 15 bent at right angles with respect
to the main portion of the arm 14 and terminat-
ing in a return bend hook portion 16. The
lower portion of the arm 14 is bent back upon

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itself at 17 to provide a loop 18, the end of which
is bent to form a hook 19.

As shown in Fig. 3, the member 13 is posi-
tioned over the gaff 11, with the hooks 16 and
19 snapped around and embracing the leg iron
10, thereby securely holding the guard 13 over
the gaff. To remove the guard 13 the hook 16
is first removed by a slight pressure toward the
outside of the leg iron 10. The lower hook 19
may then be readily displaced and the guard re-
moved from the gaff.

In the modified form of guard as shown in
Figs. 4, 5 and 6, the body portion 20 of the guard
is substantially the same in construction as that
shown at 13 in Figs. 1, 2 and 3, and includes an
adjustable means for securing the guard to the
leg iron 21, over the gaff 22. As shown in Figs.
4 and 6, an arm 23 extends longitudinally from
the body portion 20 and terminates in a block
or jaw 24 which is provided with a shouldered
portion 25 having a V-shaped groove 26 therein.
Secured in the jaw 24 and extending at right
angles with respect to the arm 23, is a threaded
rod 27 which has slidably mounted thereon a
second jaw or block 28 which is substantially
the same configuration as the block 24. Located
on the rod 27, between the two jaw members 24
and 28, is a coiled spring 29, the tension of which
maintains the jaws 24 and 28 spaced apart. The
knurled nut 30, upon clockwise rotation, causes
the jaw 28 to be moved inwardly on the rod 27
against the tension of the spring 29 thereby pro-
viding for the adjustment of the jaw 28 either
inward or outward by rotating the adjustable
nut 30 either in a clockwise or a counter-clock-
wise direction.

In applying the guard 20 over the gaff 22 on
the leg iron 21 the nut 30 is turned counter-clock-
wise until the space between the jaws 24 and 28
is sufficient to permit the leg iron to be inserted
therebetween. The member 20 is then placed
over the gaff 22 and the jaws 24 and 28 fastened
on each side of the leg iron 21 on the inside
thereof by tightening the nut 30 in a clockwise
direction to force the jaw 28 tightly against the
edge of the leg iron 21 as shown in Fig. 6.

While I have shown and described the pre-
ferred embodiment of my invention it is to be
understood that various changes and modifica-
tions may be made therein without departing
from the spirit of the invention and that I am
only limited by the scope of the appended claims.

What is claimed is:

1. A protector for gaffs on linemen's climb-
ing irons comprising a conical coiled spring mem-

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ber adapted to completely enclose the point of the gaff and means integral therewith for securing said protector to said climbing iron in position over said gaff.

2. A protector for gaffs on linemen's climbing irons comprising a conical coiled spring member adapted to completely enclose the point of the gaff and a pair of hook members extending from said spring member and integral therewith for securing said protector to said climbing iron in position over said gaff.

3. A protector for gaffs on linemen's climbing irons comprising a single length of wire formed into a conical coiled spring member adapted to completely enclose the point of the gaff and means integral therewith for securing said protector to said climbing irons in position over said gaff.

4. A protector for gaffs on linemen's climbing irons comprising a conical coiled spring member adapted to completely enclose the point of the gaff and adjustable means on said protector for securing said protector to said climbing iron in position over the gaff.

5. A protector for gaffs on linemen's climbing

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irons comprising a single length of wire formed into a conical coiled spring member adapted to completely enclose the point of the gaff and adjustable means comprising a pair of jaw members, one of which is slidable, for securing said protector to said climbing iron in position over said gaff.

6. A protector for gaffs on linemen's climbing irons comprising a conical coiled spring member adapted to completely enclose the point of the gaff, and means comprising an adjustable jaw member under the control of a manually operated member and a spring, for securing said protector to said climbing iron in position over said gaff.

CLIFFORD NELSON WOLLENSACK.

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The following references are of record in the file of this patent:

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