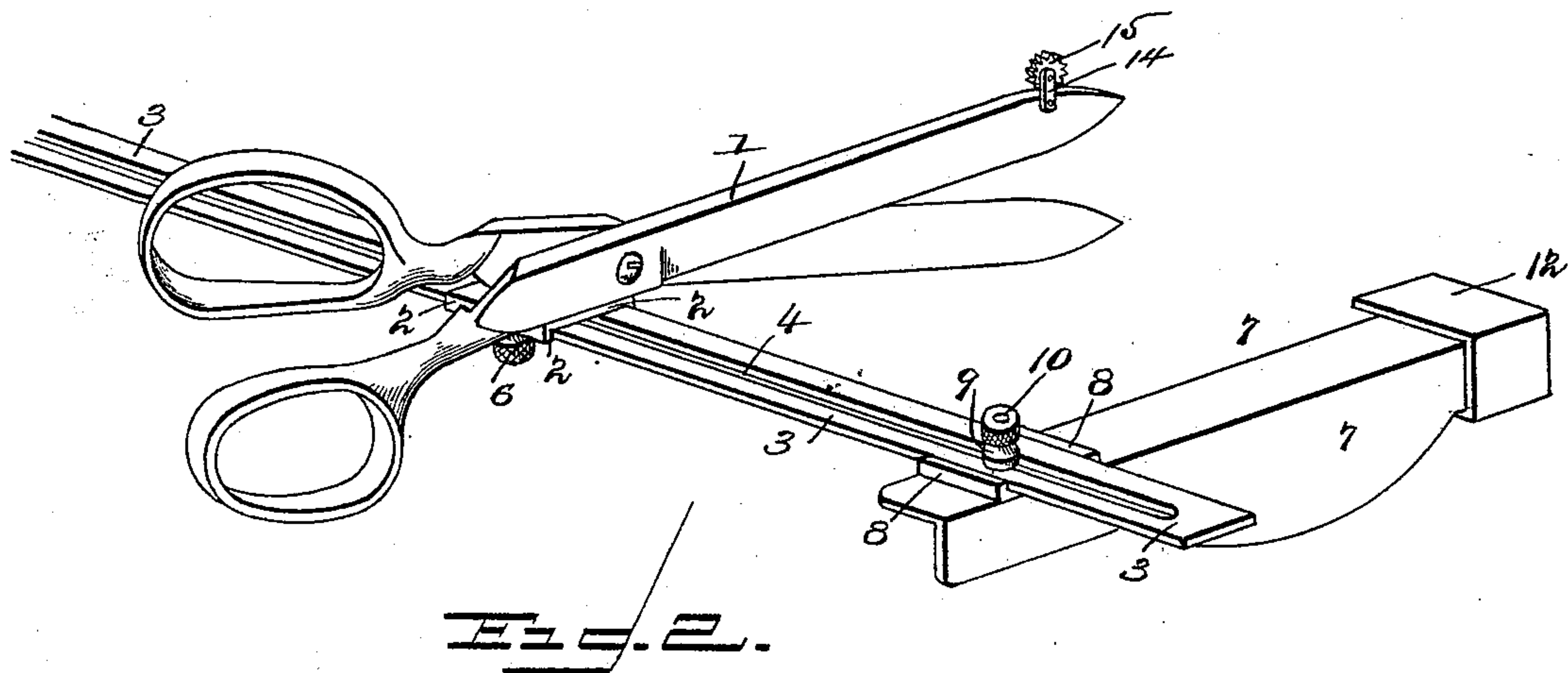
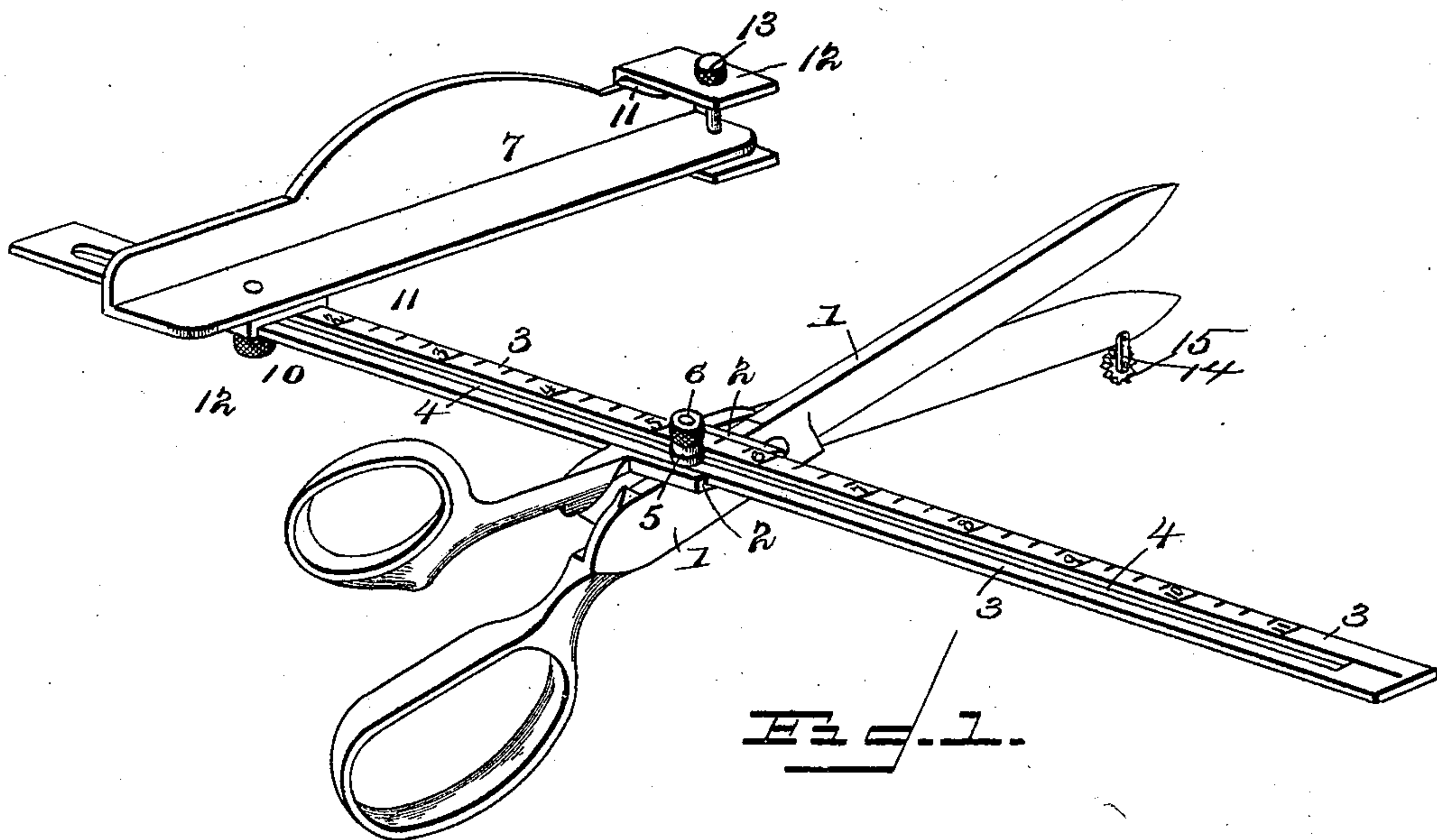


(No Model.)

N. STEEN.  
GAGE FOR BIAS CUTTERS.

No. 519,509.

Patented May 8, 1894.



Inventor

Nevada Steen,

Witnesses:

E. H. Stewart.

M. S. Linnell.

By her Attorneys.

C. A. Snow & Co.



# UNITED STATES PATENT OFFICE.

NEVADA STEEN, OF CORPUS CHRISTI, TEXAS.

## GAGE FOR BIAS-CUTTERS.

SPECIFICATION forming part of Letters Patent No. 519,509, dated May 8, 1894.

Application filed May 20, 1893. Serial No. 474,962. (No model.)

*To all whom it may concern:*

Be it known that I, NEVADA STEEN, a citizen of the United States, residing at Corpus Christi, in the county of Nueces and State of Texas, have invented a new and useful Bias-Fold Cutter, of which the following is a specification.

My invention relates to improvements in devices for cutting materials upon the bias; the objects in view being to produce a pair of shears or scissors and provide the same with such additions as will adapt them to accurately cut to a predetermined width bias strips of any fabric.

With these and other objects in view, the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claims.

Referring to the drawings:—Figure 1 is a perspective view of a bias-fold cutter constructed in accordance with my invention, the same being shown in the act of cutting. Fig. 2 is a reverse perspective view.

Like numerals of reference indicate like parts in both the figures of the drawings.

In practicing my invention I employ a pair of shears 1, of any suitable size, and secure to one of the members, in rear of the point of pivot, a flanged plate 2. The flanges of the plate form ways, and receive a scale-bar or strip 3 formed of metal, divided off into inches, and provided with a longitudinal slot 4 from near one end to the other. A threaded stud 5 passes up from the center of the plate through the slot, and a milled nut 6 is mounted on the stud and binds upon the said strip, thus retaining it at any point, upon the way. An L-shaped sheet-metal gage 7 has its under side near one end provided with an oppositely flanged guide-plate 8, which receives one end of the scale-bar 3, and from the plate depends a threaded stud 9, upon which is mounted a milled nut 10, designed to bind against the under side of said gage-bar, the said stud depending through the slot 4 of the bar. The advance end of the gage-plate has its vertical portion provided with a lateral way or extension 11, and the same is embraced by a U-shaped horizontally disposed clip 12, which extends over the horizontal portion of the gage-plate and

is perforated for the reception of a thickness gage-screw 13.

This completes the construction of the device, whose operation is as follows: Through the medium of the thumb-nuts 6 and 10 the scale-bar is set to the desired width of the bias strip to be cut and the thickness gage screw is also adjusted to the approximate width of the material. The thickness gage-screw may be adjusted toward or away from the base of the gage and thus produce a guide-throat through which the cut edge of the material may pass. It will be understood that the aforesaid screw will be regulated so as to reduce or enlarge the width of the throat in accordance with the thickness of the material. With the edge of the material resting in the gage-plate, the shears are now operated to cut the material, the said strip as fast as it is sliding over the gage-plate. In this manner bias strips of a uniform width may be produced with accuracy and facility.

If desired, I may provide the front end of the lower cutting blade of the shears with depending bearing ears 14 and journal therebetween a spur wheel 15 for marking the material and facilitating the operation of cutting.

Having described my invention, what I claim is—

1. The combination with a pair of shears, of a scale-bar mounted adjustably upon and extending at right angles to the shears, and a gage-strip parallel to the shears L-shaped in cross-section located at one end of said scale-bar, substantially as specified.

2. The combination with a pair of shears, of a scale-bar mounted adjustably upon and extending at right angles to the shears, and a gage-strip L-shaped in cross-section removably and adjustably located at one end of said scale-bar and disposed parallel to the shears, substantially as specified.

3. The combination with a pair of shears, of a scale-bar adjustably mounted upon and extending at right angles from the same, an L-shaped gage-strip, and a thickness gage-screw carried thereby, substantially as specified.

4. The combination with a pair of shears having a transverse flanged guide-plate, a cen-



tral stud, and a thumb-nut, of a scale-bar  
longitudinally slotted to receive the stud and  
mounted for sliding in the plate, an L-shaped  
gage-plate arranged at one end of the bar, a  
5 flanged guide-plate upon the underside there-  
of receiving said bar, a stud depending from  
the plate, a milled nut for the stud, a clip  
embracing the advance end of the gage-plate  
and provided with a perforation in its upper  
10 terminal above the plate, and a thickness

gage-screw arranged in said perforation, sub-  
stantially as specified.

In testimony that I claim the foregoing as  
my own I have hereto affixed my signature in  
the presence of two witnesses.

NEVADA STEEN.

Witnesses:

STANLEY WELCH,  
CARRIE CAIN.