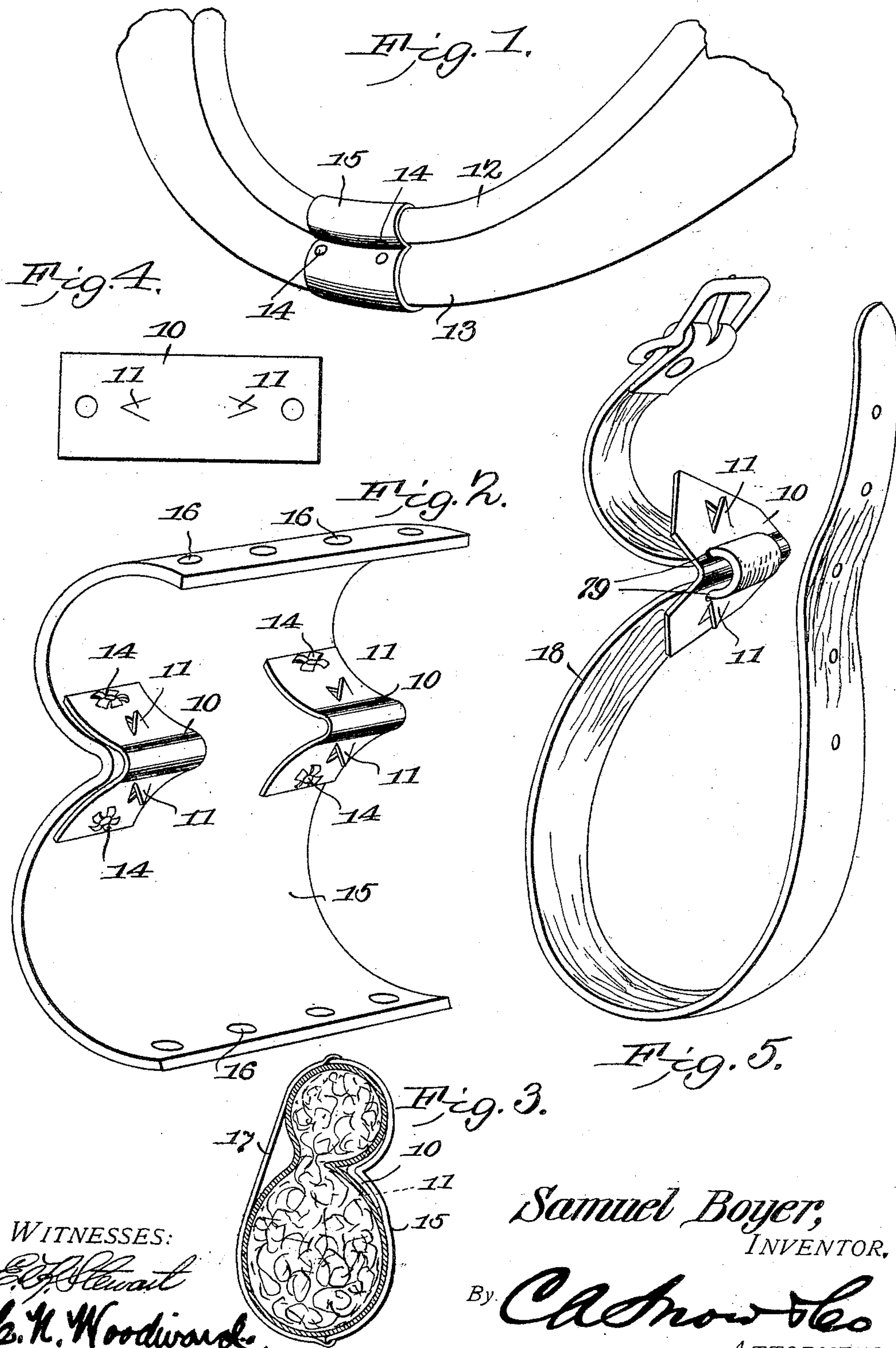


No. 822,242.

PATENTED JUNE 5, 1906.

S. BOYER.
HORSE COLLAR ATTACHMENT.
APPLICATION FILED DEC. 20, 1905.



WITNESSES:

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UNITED STATES PATENT OFFICE.

SAMUEL BOYER, OF COLFAX, WASHINGTON.

HORSE-COLLAR ATTACHMENT.

No. 822,242.

Specification of Letters Patent.

Patented June 5, 1906.

Application filed December 20, 1905. Serial No. 292,603.

To all whom it may concern:

Be it known that I, SAMUEL BOYER, a citizen of the United States, residing at Colfax, in the county of Whitman and State of Washington, have invented a new and useful Horse-Collar Attachment, of which the following is a specification.

This invention relates to attachments to horse-collars for reinforcing and repairing the same, and has for its object to improve the construction and increase the efficiency and utility of the same.

With these and other objects in view, which will appear as the nature of the invention is better understood, the invention consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation, it being understood that various changes in the form, proportions, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention within the scope of the appended claims.

In the drawings, Figure 1 is a perspective view of a portion of a horse-collar with the improved device applied. Fig. 2 is an enlarged perspective view of the improved device. Fig. 3 is a transverse section of a horse-collar through the throat portion with the improved device applied. Fig. 4 is a view of the blank from which the plate is formed. Fig. 5 is a perspective view, enlarged, illustrating a modification in the construction.

The weakest portion of a horse-collar is generally at the throat, and to reinforce this portion, as well as to repair the same when broken or worn and without changing the form of the collar or destroying the hame room or depression between the rim and body portion is the principal object of the present invention, which consists of one or more plates, preferably of sheet-steel bent into V shape to conform to the space between the rim and body of the collar and provided with tongues to engage the material of the collar and prevent displacement, the plate being held in position by flexible confining members.

The plate represented at 10 is provided with tongues 11 cleft therefrom and bent outwardly and the plate bent centrally into V shape with the sides curving outwardly to conform to the adjacent surfaces of the rim and body portions of the collar, respectively, at 12 and 13. The plate 10 is provided with means for holding the same in position upon the collar, and this holding means is preferably a strap of leather or similar flexible material varying in width to correspond with the size of the rent or fracture in the collar. When the rent is relatively large, two or more of the plates 10 will be employed and secured by rivets 14 or other suitable means to a correspondingly wide strap 15 of leather or the like, the latter having apertures 16 to receive lacings (represented at 17) to enable the strap to be bound to the collar, as shown in Fig. 3. When the rent is only slight or when it is desired to prevent fracture or wear, a single plate may be employed to be held in place by a single strap 18, as shown in Fig. 5.

When the narrow strap 18 is employed, the plate 10 is provided with spaced slots 19, through which the strap is woven, as shown in Fig. 5, instead of riveting or otherwise securing the strap to the plates.

When applying the improved device, the plate 10 is placed in position between the parts 12, 13 of the collar at the point where the fracture occurs or where the collar is to be reinforced and driven into the hame-room by a hammer or other suitable implement to cause the tongues 11 to penetrate the collar material, and thus prevent displacement when the strains are applied. The straps 15 or 18, as the case may be, are then secured to the collar, as before described. By this simple means the fractured or worn portions are strengthened and supported and further rupture effectually prevented, while at the same time the hame-room is preserved in the original form.

While the device will generally be applied to the throat portions of the collar, it will be obvious that it may be applied to any part of the collar where a weakness or fracture occurs.

The plate 10, being of sheet metal, can be readily bent to conform to the body and rim, and thus adapt the same to varying forms of collar.

Having thus described the invention, what is claimed is—

1. As a new article, an attachment for horse-collars consisting of a plate having
5 spaced tongues cleft therefrom and bent inwardly, and a flexible member connected to said plate and having means for attachment to a horse-collar with the plate and its
10 tongues bearing thereon between the rim and body portions.

2. As a new article, an attachment for horse-collars consisting of a substantially V-

shaped plate having spaced tongues projecting therefrom and with spaced transverse slots, and a binding element woven through
15 said slots and having means for fastening around the collar.

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

SAMUEL BOYER.

Witnesses:

L. STILSON,
DORAN B. HARDING.