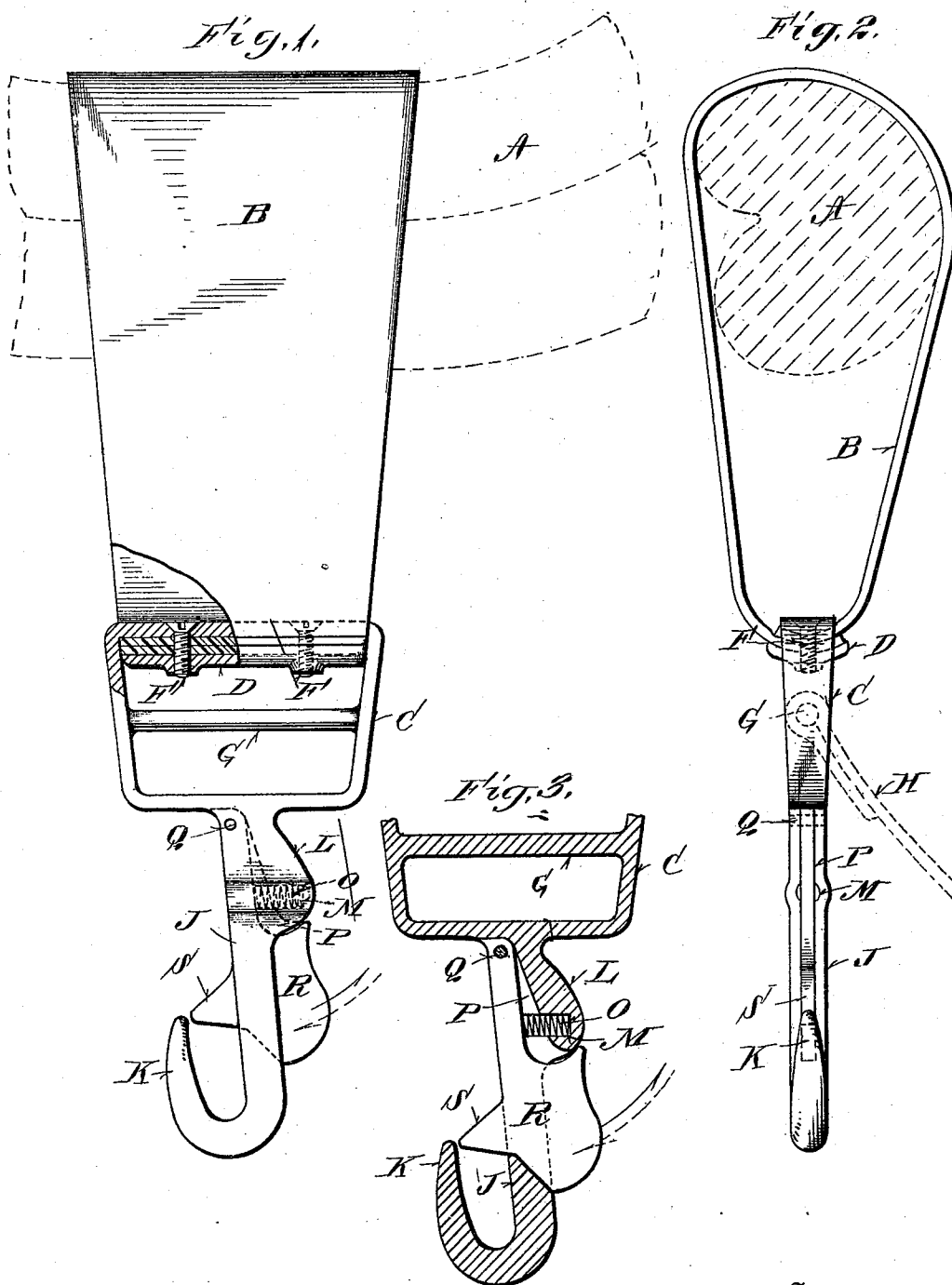


(No Model.)

C. F. NEER.
HORSE COLLAR ATTACHMENT.

No. 544,628.

Patented Aug. 13, 1895.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES F. NEER, OF MECHANICSBURG, ASSIGNOR OF ONE-HALF TO
ALONZO W. NEER, OF CATAWBA, OHIO.

HORSE-COLLAR ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 544,628, dated August 13, 1895.

Application filed September 29, 1894. Serial No. 524,462. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. NEER, a citizen of the United States, residing at Mechanicsburg, in the county of Champaign and State of Ohio, have invented certain new and useful Improvements in Horse-Collar Attachments, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in collar attachments for breast-straps or neck-yokes; and the object of my invention is to do away with the old hame-rings and hame-chains, to which lat-
15 ter the breast-chains or neck-yokes are connected. In the use of such hame rings and chains a side jerk of the tongue exerts a greater strain on one ring than on the other and causes the collar to shift laterally on the
20 top or back of the neck, which constant shifting, it is well known, causes sores to form on the back of the neck. With my device the attachment is made to the center of the collar at its lower end, so that the strains are cen-
25 tral, and then my device easily swings laterally without materially changing its position on the collar.

Another object of my invention is to provide for fastening the choke-strap at a lower
30 point relatively to the ground than to the lower end of the collar, as heretofore, so that the breast-chains or neck-yoke will be held down better and the tongue prevented from rising so high between the horses in backing
35 and going downhill.

Still another object of my invention is to provide such a snap-hook that the breast-chain or neck-yoke ring may be readily snapped into the hook without taking hold of
40 the hook, so as to use but one hand, and also to so construct the snap-hook that such a chain or ring may be disengaged from it with the use of only one hand applied to the spring-tongue, all of which peculiarities will be here-
45 inafter more fully pointed out and the means of carrying them into practice be described and claimed.

In the accompanying drawings, on which like reference-letters indicate corresponding
50 parts, Figure 1 represents a front view of my improved collar attachment, showing a por-

tion of the collar in dotted lines; Fig. 2, a side elevation of the attachment and a portion of a collar shown in section by dotted lines; and Fig. 3, a detail sectional view of the hook, showing the arrangement of the tongue, spring, and
55 spring-socket.

At A is designated in dotted lines the lower portion of a horse-collar of any ordinary or any approved type. To this part of the col-
60 lar I apply my improved attachment, so that the strain will be exerted upon substantially a central line passing up through the collar from its lower to its upper end, whereby as
65 much as possible the lateral shifting of the upper end of the collar on the back of the neck, with its resulting galling and chafing, is prevented. The letter B designates a stout loop or band of leather or other suitable material, leather being preferred, which is hung upon
70 such lower portion of the collar. When the tongue jerks to one side, this loop or band will tip or slightly roll where it hangs on the collar, yet without shifting sidewise at its upper end to any extent. This freedom allows the
75 lower end of the snap-hook to move sufficiently when the pole jerks to one side, yet without materially changing the line of strain on the collar to one side of the center. The ends of the loop or band are preferably over-
80 lapped, as shown, after being first passed through a frame C, of metal, say brass. A bar D is placed beneath the under lap of the strap and provided with threaded openings. The upper bar of the frame C is bored and counter-
85 sunk, and the screws F are projected through this bar, the overlapped ends of the strap, and into the clamping-bar D. Thus a strong joint is made, which performs the two offices
90 of securing the ends of the strap and also at the same time securing the frame C to the loop. The frame C is provided with a choke-strap bar G, to which the forward end of the choke-strap H is applied, as suggested by the
95 dotted lines, the other end of the strap running to the belly-band and being there held as usual. Thus it will be seen that the choke-strap is connected to this collar attachment at a considerable distance below the usual
100 place on the hames where the rings are fastened—about a foot in practice. By this arrangement the breast-chains or neck-yoke, as

the case may be, is held down at a point much below the usual hame-rings, and to this extent the pole is kept from rising so high in going down hills and in backing.

- 5 The lower part of the frame C is extended in the form of a stout bar J, terminating in a hook K, making a part of the snap-hook. The bar J is widened, as seen at L, and is provided with a recess M, open at the front side to receive a spring O. This bar is also slotted, as seen at P. Fitted to this slot and pivoted at Q is a tongue R, against the back of which the spring O acts to keep the tongue constantly closed. The tongue has an inclined
15 projection S at such an angle that the chain-ring or neck-yoke ring will force the tongue back by the act of snapping it into the hook, so that but one hand may be used in making the connection. Again, that part of the tongue
20 that projects from the lower part J is considerably enlarged, so that it may be taken hold of by the hand, even with a thick glove on the hand, as in cold weather. Then by drawing the tongue-hook to one side and upward, the

projection S withdrawing from the hook K at 25 the same time, the chain or neck-yoke ring is readily dropped out. Thus but one hand need be used in attaching and detaching the chain or neck-yoke ring to and from this hook.

Having thus fully described my invention, 30 what I claim as new, and desire to secure by Letters Patent, is—

In a collar attachment, the combination with a leather strap passed around the lower end of a collar, a frame, screws passing through 35 the frame and the strap, and a bar beneath the strap into which the screws pass, a choke strap bar forming a part of the frame, a hooked bar depending from the frame and having a slot, a recess and a spring, and a tongue piv- 40 oted in the slot and closed by the spring.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES F. NEER.

Witnesses:

W. M. MCNAIR,

JAS. C. DAWLEY, Jr.