

F. J. CLARK.
HORSE COLLAR CAP CLAMP AND PAD GUARD.
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1,007,336.

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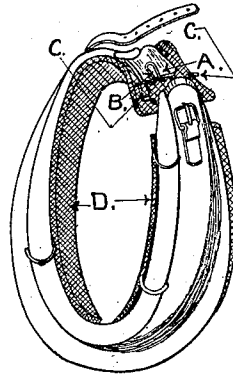


Fig. 1.

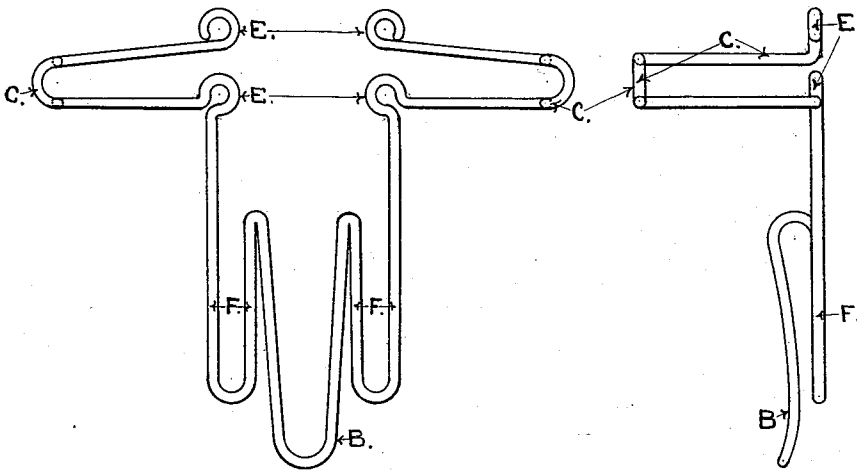


Fig 2.

Fig 3.

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FRANCIS J. CLARK, OF SAN JOSE, CALIFORNIA.

HORSE-COLLAR CAP-CLAMP AND PAD-GUARD.

1,007,336.

Specification of Letters Patent.

Patented Oct. 31, 1911.

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To all whom it may concern:

Be it known that I, FRANCIS J. CLARK, a citizen of the United States, residing at San Jose, in the county of Santa Clara and State of California, have invented a new and useful Improvement in Horse-Collar Cap-Clamps and Pad-Guards, of which the following is a specification.

My invention relates to a horse-collar cap clamp and pad guard, the same being secured to the collar pad by rivets through eyes made in the clamp and guard, or the same may be fastened to the pad in any other suitable manner.

The object of my invention is to produce a horse-collar cap clamp and pad guard that will prevent the pad from working out of place and at the same time clamp the cap in place.

It also comprises parts and details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is an assembled view of a horse-collar and pad supplied with my cap clamp and pad guard. Fig. 2 is a plan view of my horse collar cap clamp and pad guard as the same is bent from a single piece of steel wire ready for adjustment to the collar pad. Fig. 3 is a side elevation showing the cap clamp and pad guard.

Similar letters refer to similar parts throughout the several views.

Referring to Fig. 1—A is the collar cap which is brought over, adjusted and held in place by clamp shown at B. Pad guards are shown at C coming up on each side below cap A, adapted to engage the collar holding the pad, shown at D, in place, and preventing any displacement of this portion of the collar pad when the same is adjusted.

Referring to Fig. 2—B is the clamp which holds the cap, shown at A, Fig. 1, when the same is adjusted thereto. C C are the up-turned guards which come up on each side below cap A, and are adapted to engage the collar and hold the pad in place when the collar is adjusted. E E are eyes made in steel wire at points shown for the purpose of fastening the clamp and guards to the collar pad D. The cap clamp B is here shown having four bearings below at F and two above, shown at B, for the purpose of giving a greater and more even surface to the under side of cap A when held down by

clamp B. Clamp B is bent in such a manner as to make the same a stiff spring holding cap A, when adjusted, down to the bearings F in a strong manner. The clamp is more fully shown at B, Fig. 3, the end being slightly bent up and the center down making the adjustment of cap A more perfect.

My collar cap clamp and pad guard can be made of either sheet metal or wire. When wire is used it is shaped as follows:—Commencing with a small circle or eyelet E, Fig. 2, the wire is extended outward a sufficient distance so that this point with the corresponding point on the opposite side of the device equals the width of the collar, it is then bent upward forming a sufficient space between this and the corresponding bending on the opposite side of the device for the collar to be held between, and then it is bent slightly outward presenting a smooth surface for the contact with the collar, so that the collar will slide into place should it rest upon the point of one of these guards when the collar is placed on the horse's neck. The wire is then bent inwardly and parallel with the lines formed in the above described bending to a point directly below the first eyelet E where the second eyelet E Fig. 2 is formed; then the wire is run downward, and thence centrally, as shown at F Fig. 2. It is then given a wide bend, and downward, first with an inward and then with an outward curve, as shown at B Fig. 3; it is then centrally bent to correspond with the last bending, forming clamp B. The wire is then bent to form counterparts of the bearing F, guard C and eyelets E—E, above described.

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

1. The combination with a horse collar, the cap thereof, and a sweat-pad separated at one side and overlapping the neck at the upper portion thereof, of a collar cap clamp and self adjusting pad guard made of one piece of wire having eyelets bent therein at the points of attachment to the sweat pad, with two looped members adapted to pass under the collar cap, and one looped member to pass over the cap and curved sufficiently to engage and clamp the cap between said looped members at the top thereof, and provided with an outward extending and upward turned looped member on each side of said clamping looped members, adapted

to retain the sweat pad and collar in their proper positions, as shown and described.

2. In a horse collar, the combination with the collar cap, the collar cap clamp, and a
5 sweat pad overlapping the neck and separated immediately below the collar cap, of a self adjusting pad guard extending outward from the clamp, and upward from the
10 sweat pad, adapted to bear against the sides of the collar when in place, and to position the collar and pad, substantially as and for the purposes set forth.

3. In a horse collar, the combination with the collar cap and a sweat pad separated at
15 one side and overlapping the neck at the upper portion thereof, of a collar cap clamp, made of one piece of wire, comprising three

looped members, two of which pass under the collar cap, and one adapted to pass above the collar cap and bent to bear between and under looped members, and to
20 clamp and engage the collar cap at the upper portion of said looped members, and with eyes bent in said wire at the points of attachment to the sweat pad, as shown and
25 described.

In testimony whereof, I have hereunto set my hand in the presence of two subscribing witnesses.

FRANCIS J. CLARK.

Witnesses:

J. B. CAMBERS,
W. H. BLANKS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."