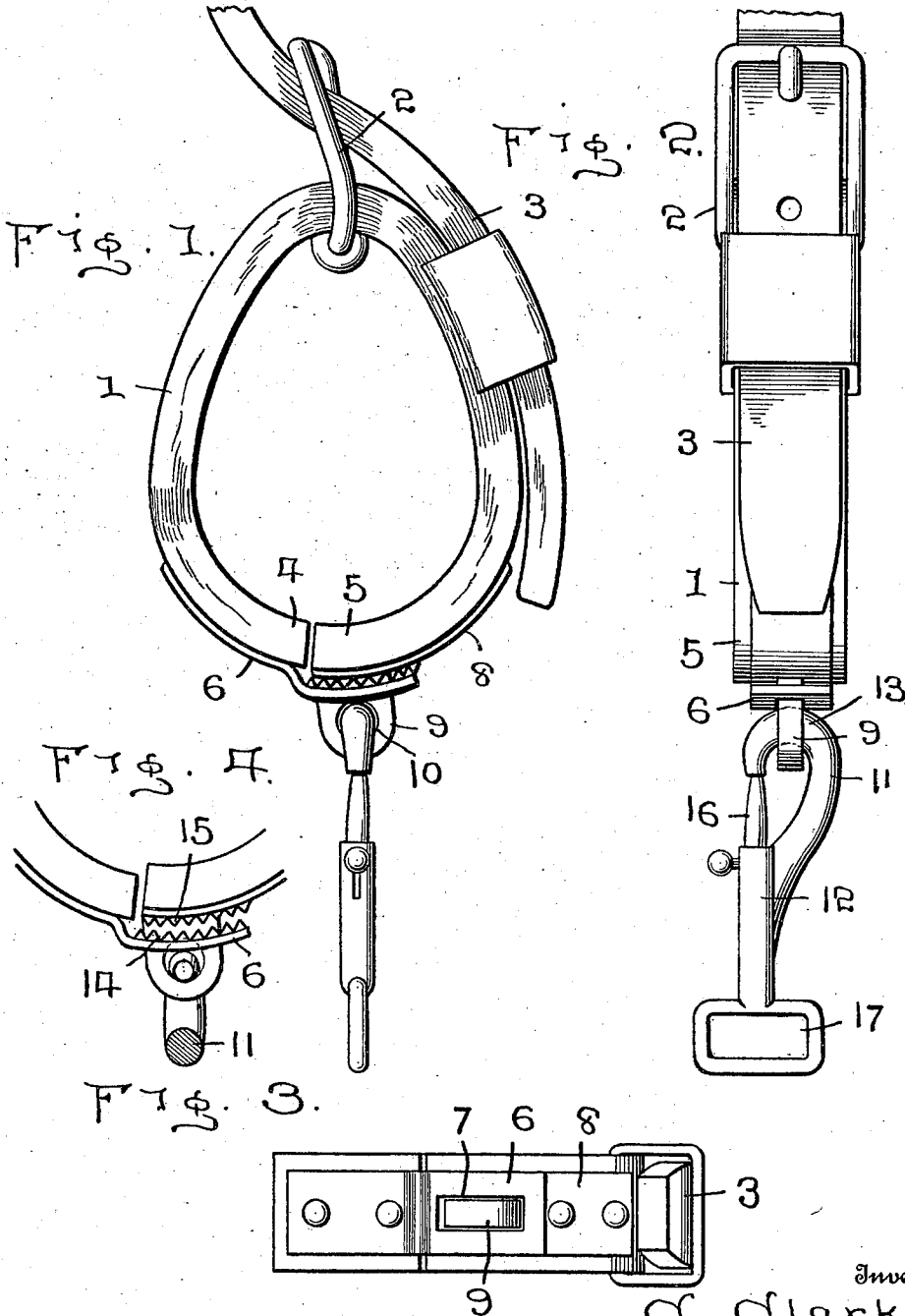


C. CLARK.
ATTACHMENT FOR HARNESS.
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1,001,820.

Patented Aug. 29, 1911.



Witnesses

Thos. W. Perry
M. Newcomb,

Inventor
C. Clark
By W. J. Fitzgerald
Attorneys

UNITED STATES PATENT OFFICE.

CHARLES CLARK, OF CHAUTAUQUA, KANSAS.

ATTACHMENT FOR HARNESS.

1,001,820.

Specification of Letters Patent. Patented Aug. 29, 1911.

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To all whom it may concern:

Be it known that I, CHARLES CLARK, a citizen of the United States, residing at Chautauqua, in the county of Chautauqua and State of Kansas, have invented certain new and useful Improvements in Attachments for Harness; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in harness, the objects being to provide an improved open thill tug so arranged that it may be readily and easily opened to release the shaft, the ends quickly and easily clamped together, the parts prevented from rattling, and the girth readily attached to the securing means.

With these objects in view, the invention consists in the improved construction, arrangement and combination of parts herein-after fully described and afterward specifically claimed.

In the accompanying drawing, which forms a part of this application, Figure 1 is a side elevation of the tug. Fig. 2 is an edge elevation thereof. Fig. 3 is a bottom plan view with the snap hook employed for locking the plates together removed, and, Fig. 4 is a detail elevation, showing the snap hook in section and the end thereof being entered into position to lock the parts of the tug together.

Referring to the drawing, in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the tug proper comprising a loop, which is preferably constructed of leather, although it may be constructed of any suitable material, said loop having a buckle 2, which engages with a strap 3 of the harness and by means of which the tug is secured to the harness.

The lower portion of the loop is severed so that the ends 4 and 5 thereof may be separated to release the shaft of the vehicle, and in order to hold said ends together while the shaft is in position therein, a plate 6 is attached to the end 4 and projects a distance beyond said end, the projecting portion having a slot 7 therein. The end 5 also has a plate 8 secured thereto, from which projects an ear 9, said ear being adapted to extend through the slot in the plate 6.

The plate 6 is held in engagement with the

ear 9 by forming a hole 10 through the ear and extending the shank 11 of a snap hook 12 through said hole, thereby holding the loop in substantially circular form when in use.

As is usual in snap hooks of this class, the free end of the shank is curved, and in order to force the plate 6 into engagement with the face of the plate 8 the shank is provided with a thickened portion 13 adjacent its free end, which when moved into position below the plate 6 will act as a wedge thereagainst and force said plate against the plate 8, thus preventing rattling of the parts when in use.

To provide a more secure connection between the plates 6 and 8, the meeting faces thereof may be provided with ribs or teeth 14 and 15, respectively, which when said plates are forced together will interlock with each other.

After the shank 11 has been introduced through the ear 9 and the hook turned to a vertical position, the spring actuated tongue 16 is released, which will serve to hold the hook against casual disengagement from the ear and by providing an eye 17 at the end of the hook, the usual form of girth (not shown) may be attached thereto so that simultaneously with securing the loop around the shaft the girth will be secured in position below the animal.

In releasing the loop from the shaft it is only necessary to disengage the tongue from the end of the shank and then swing the hook to move the end of the shank out of the opening in the ear, when the ends of the loop may be separated and the shaft released.

By this construction it will be readily seen that the loop can be very quickly attached to or released from the shaft thereby avoiding the possibility of the loop catching and holding upon the shaft when being secured thereto or removed therefrom. It will further be seen that the ends of the loop will be securely locked together when in use and will be held against rattling, and further that the plates will form a reinforcement for the loop.

What I claim is:

A thill tug comprising an open loop with abutting ends at its bottom, a plate on the under side of one of the ends offset and projected beyond the end, slotted in line with the loop and provided with transverse

ribs on the inner surface of the projection,
a second plate secured to the under surface
of the other end of the loop adapted to en-
5 gage over the projection of the first named
plate, said second plate being provided with
transverse ribs on its under surface to en-
gage between the ribs of the projection of
the first named plate and having an ear to
10 pass through the slot, said ear provided
with a transverse hole, and a snap hook
having its shank tapered toward its end
whereby it may be readily engaged in the

hole of the ear and will have a wedge-like
action therein to force the two plates to-
gether and effect the intimate engagement 15
of their ribs.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

CHARLES CLARK.

Witnesses:

JOE HARSHBARGER,
FRANK CLARK.

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