(No Model.)

H. L. STEEL.

HARNESS ATTACHMENT.

No. 589,040. Patented Aug. 31, 1897.

Fig. 1.

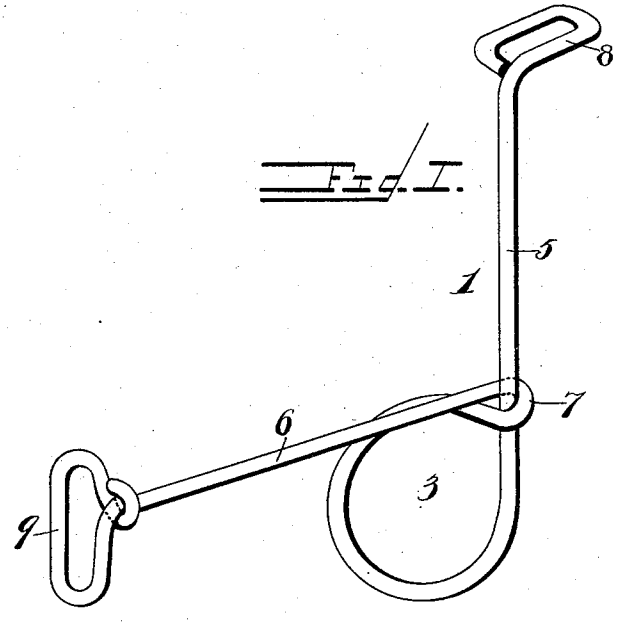
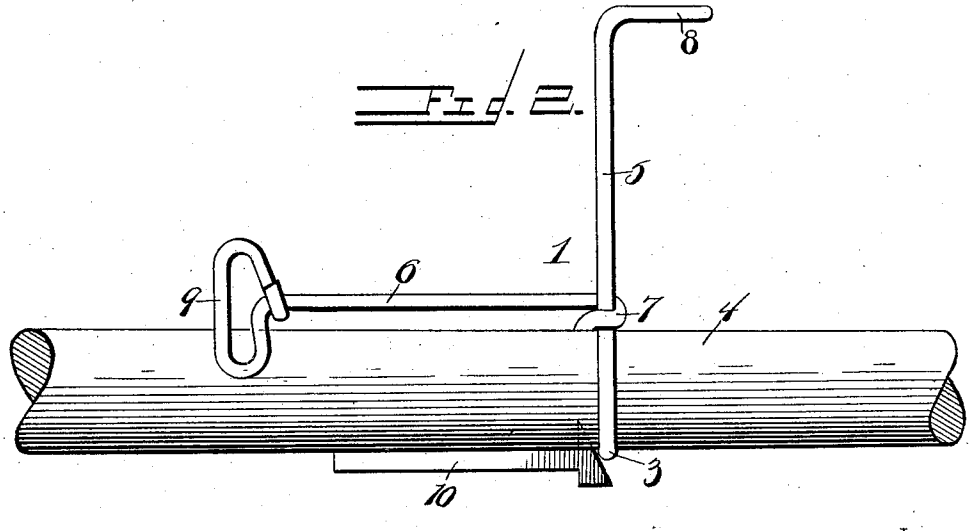


Fig. 2.



Inventor

Harry L. Steel

Witnesses

R. A. Shepard.

J. F. Riley

By his Attorneys,

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HARRY LEE STEEL, OF DAYTON, INDIANA, ASSIGNOR OF ONE-HALF TO JOHN B. RAY, OF LAFAYETTE, INDIANA.

HARNESS ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 589,040, dated August 31, 1897.

Application filed March 6, 1897. Serial No. 626,232. (No model.)

To all whom it may concern:

Be it known that I, HARRY LEE STEEL, a citizen of the United States, residing at Dayton, in the county of Tippecanoe and State of Indiana, have invented a new and useful Harness Attachment, of which the following is a specification.

The invention relates to improvements in harness attachments.

The object of the present invention is to provide a simple and inexpensive device designed to form a permanent part of the harness and adapted to facilitate hitching and unhitching a horse to a buggy or similar vehicle and enable such operation to be performed by simply attaching the traces or tugs to the singletree, and thereby obviate the necessity of wrapping the holdback-strap around the shafts.

The invention consists in the construction and novel combination and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and pointed out in claims hereto appended.

In the accompanying drawings, Figure 1 is a perspective view of a harness attachment constructed in accordance with this invention. Fig. 2 is a side elevation showing the same applied to a shaft.

Like numerals of reference designate corresponding parts in both figures of the drawings.

1 designates a harness attachment constructed of a single piece of stout wire or rod-metal, and consisting of a loop 3 to receive a shaft 4, and a pair of arms 5 and 6, arranged at right angles to each other and extending upward and rearward from the top of the loop 3.

The device is constructed by doubling a piece of metal on itself to form the loop 3 and extending one side vertically and coiling the other side horizontally around the upwardly-extending arm 5 at 7 and extending it rearward. The upwardly-extending arm 5 is provided at its top with a horizontal loop 8, which is designed to be secured to the back-band or girth, and a loop 9, which is disposed vertically, is located at the rear end of the arm 6 to receive the holdback-strap. These loops are formed by bending the terminals of the arms 5 and 6 on themselves, and the device, which is designed to form a permanent part of a harness, is arranged in relation to the shaft, as illustrated in Fig. 2 of the accompanying drawings.

In hitching a horse to a vehicle the shafts are introduced into the loops or rings 3 and the traces or tugs are attached to the singletree. This completes the operation, which may be quickly performed, as will be readily understood.

When the device is in position on a shaft, it engages a stop or keeper 10, which holds it against rearward movement, and this stop or keeper, which may be constructed in any suitable manner, preferably consists of a plate provided at its front end with a lug having an inclined face to receive the ring or loop.

It will be seen that the harness attachment is exceedingly simple and inexpensive in construction, that it is adapted to form a permanent part of a harness, and that by obviating the necessity of wrapping the holdback-strap around the shaft it will greatly facilitate hitching and unhitching and enable such operations to be performed by simply attaching the traces to a singletree and unfastening them therefrom.

What I claim is—

1. A harness attachment designed to form a permanent part of a harness and consisting of a loop to receive a shaft, a vertical arm extending upward from the loop and provided at its upper end with a horizontal eye, and a horizontal arm extending rearward from the loop and provided with a vertical eye, substantially as described.

2. A harness attachment designed to form a permanent part of a harness and constructed of a single piece of metal and consisting of a loop to receive a shaft, a vertical arm extending upward from the loop and provided at its upper end with a horizontal eye, and a horizontal arm coiled around the other arm at the top of the loop, extending rearward therefrom and provided with a vertical eye, substantially as described.

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

HARRY LEE STEEL.

Witnesses:
W. F. KING,
MORTON ROSEBERRY.