

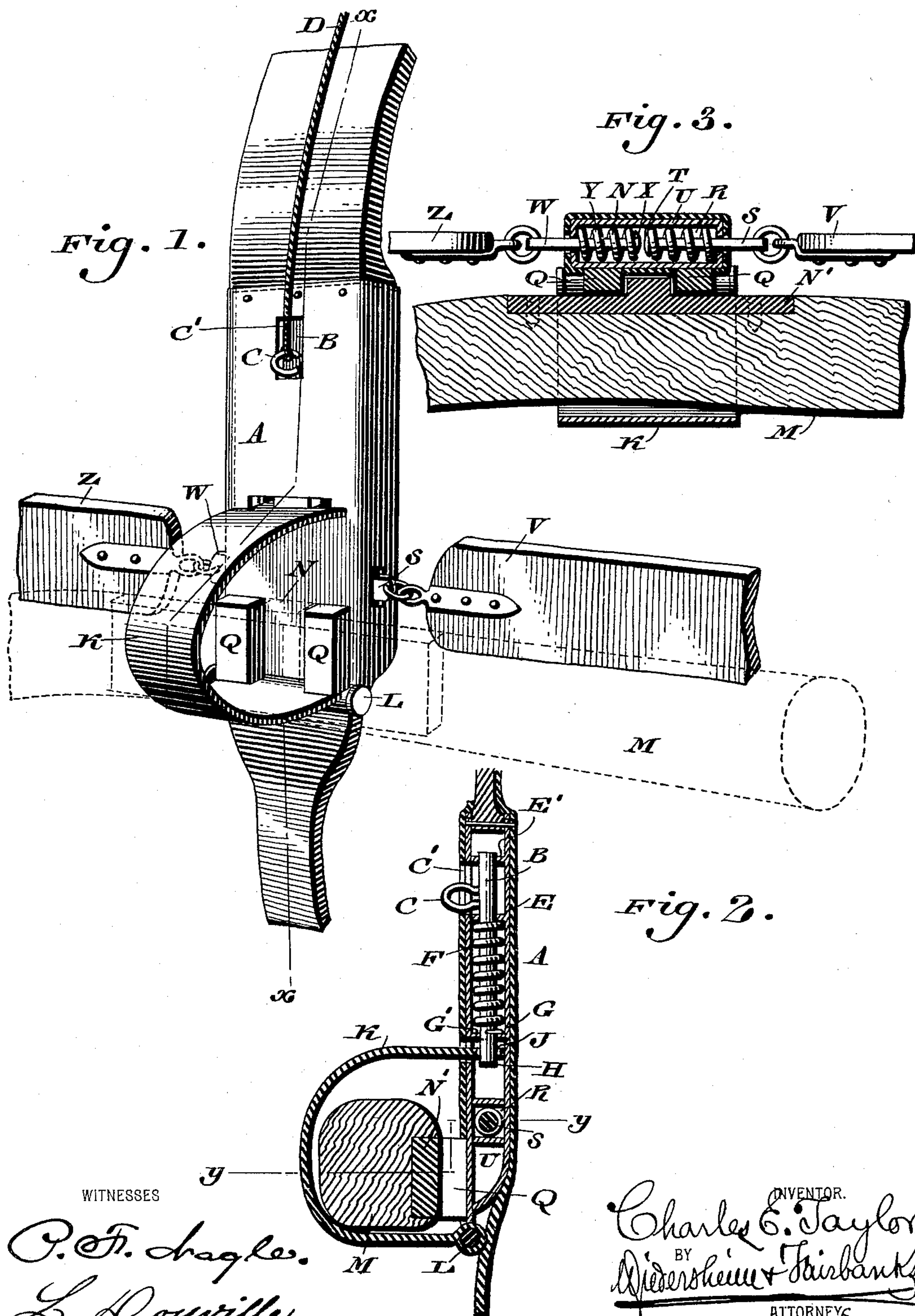
No. 609,921.

Patented Aug. 30, 1898.

C. E. TAYLOR.
HORSE DETACHING DEVICE.

(Application filed Apr. 22, 1897.)

(No Model.)



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES E. TAYLOR, OF OCALA, FLORIDA.

HORSE-DETACHING DEVICE.

SPECIFICATION forming part of Letters Patent No. 609,921, dated August 30, 1898.

Application filed April 22, 1897. Serial No. 633,239. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. TAYLOR, a citizen of the United States, residing at Ocala, in the county of Marion, State of Florida, have invented a new and useful Improvement in Horse-Detaching Devices, which improvement is fully set forth in the following specification and accompanying drawings.

My invention, as hereinafter described and claimed, consists of an improved construction of a horse-detaching device by means of which lugs or traces, usually employed, are dispensed with and the driver is enabled in case of a runaway to instantly detach the horse or the harness carried thereby from the shaft.

It also consists of means for allowing a certain play in the harness, thus preventing chafing.

Figure 1 represents a perspective view of a horse-detaching device embodying my invention. Fig. 2 represents a section on line xx , Fig. 1. Fig. 3 represents a section on line yy , Fig. 2.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a portion of a harness, the same consisting of the suitable casing, which has guided therein in any suitable manner the bolt B, the latter having an eye or pin C attached thereto, which projects through the slots C' in said casing, said eye having a cord or other connection D attached thereto, said cord extending to the driver.

E designates a wall within the portion A in which the bolt B is guided, the upper extremity of said bolt being further guided in the wall E', which latter serves as a stop for the upward movement of the eye C.

F designates a spring mounted on the bolt B and having one end abutting against the wall E, the lower extremity of said spring at G being attached to the bolt and normally resting on the wall G', it being noted that the lower extremity H of the bolt extends normally beyond said wall G' and passes through the opening J of the holder or guard K, which latter is composed of some suitable non-resilient material and is preferably curved or bent, substantially as indicated, so as to engage the shaft M, said guard K being pivotally at-

tached to the portion A of the harness at the point L.

N designates a lug, (shown in dotted lines, Fig. 1,) which is attached to the plate N', which latter is seated in the shafts M, said lug N engaging the sides of the lugs Q, which are attached to the portion A of the harness.

R designates a chamber in the lower portion of the harness A, in which is located the rod S, the latter having a head T on an end thereof, against which head bears one extremity of the spring U, the other extremity of the latter bearing against an outer wall of the chamber R, said rod S having attached thereto in any suitable manner the portion V of the harness, which extends to the breeching. In like manner W designates a rod which passes through the opposite wall of the chamber R and has a head X thereon, against which bears one extremity of the frame Y, the other extremity thereof contacting with the outer wall of the chamber R, said rod W having attached thereto a portion Z of the harness which passes to the harness and front of the animal.

The operation is as follows: The parts normally appear as indicated in Figs. 2 and 3, the lug N engaging the lugs Q, in which position it will be seen that the shaft M will be positively held by means of the guard K, the latter being retained in the position seen in Fig. 2 by means of the engagement of the bolt B with said guard. If the horse becomes frightened or if it is for any reason desired to detach the same from the vehicle, it is only necessary for the driver to exert a pull on the connection D, whereby the bolt B will become disengaged from the shafts N, it being understood that the spring F normally holds the guard K in locked position through the medium of the bolt B.

It will be apparent from the foregoing that by my invention I provide a positive means for readily and instantly disconnecting the horse from a vehicle, and, in addition, much labor is saved in harnessing and unharnessing, as is evident.

I am aware that it is not broadly new to employ a bolt on the shaft for sustaining said shaft in connection with a ring attached to a portion of the harness, the withdrawal of said bolt from said ring being under the con-

trol of the occupants of the vehicle; but I
am not aware that the peculiar construction
herein set forth and specifically claimed is
old, wherein a guard adapted to surround
5 and support the shaft is pivotally attached
at one end to the harness at the lower end of
the casing and having its free end adapted
to enter said casing and provided with an
opening in which the bolt enters, and to none
10 of the devices illustrating the prior art do I
herein make my claim.

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

15 A harness having a portion thereof pro-

vided with the walls E', E, and G', a bolt
movably mounted in said walls, a spring op-
erating said bolt, and having one end thereof
bearing against the wall E, the other end of
said spring being attached to said bolt, a 20
guard K pivoted to said harness and having
an opening therein adapted to be engaged by
an end of said bolt, and lugs attached to
said harness in combination with a shaft hav-
ing a lug attached thereto, and adapted to 25
engage said first-mentioned lugs.

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Witnesses:

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