

(No Model.)

H. E. WARE.
DEVICE FOR DRIVING HORSES.

No. 465,504.

Patented Dec. 22, 1891.

FIG. 1.

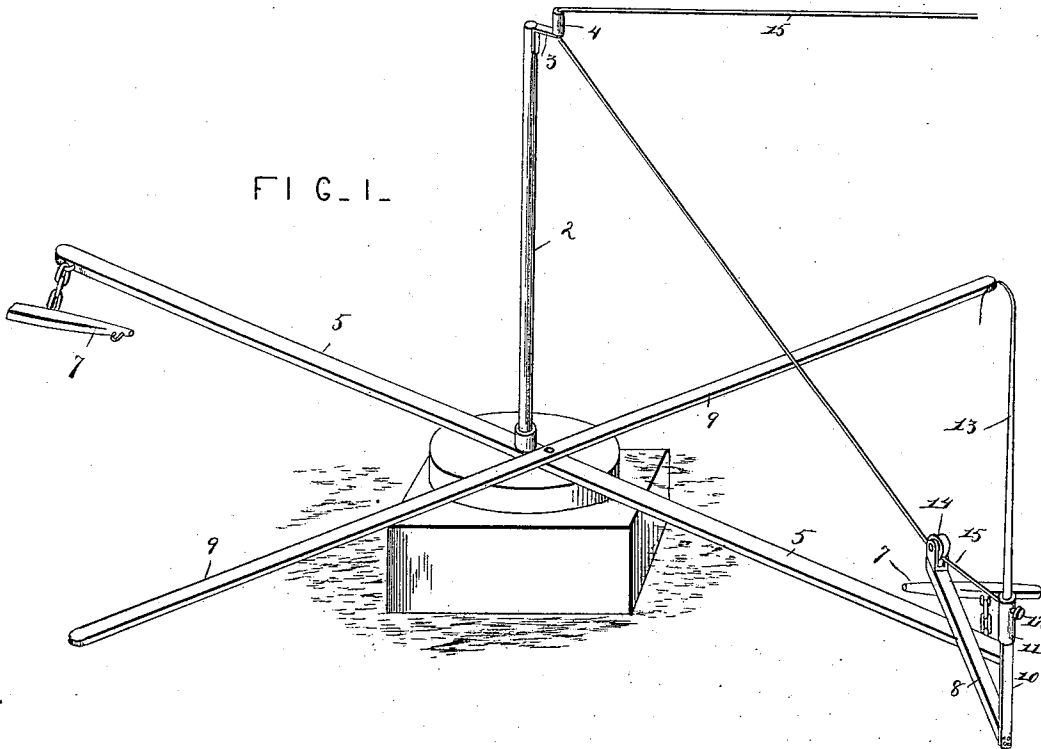
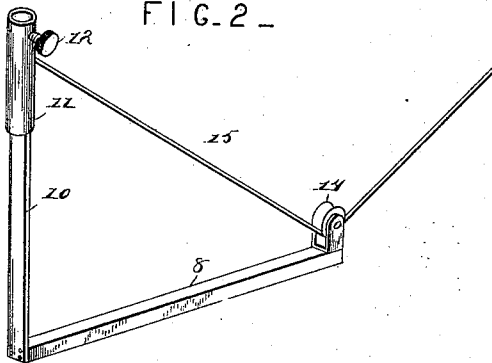


FIG. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

HENRY E. WARE, OF AINSWORTH, NEBRASKA, ASSIGNOR OF ONE-HALF
TO FRED W. SISSON, OF SAME PLACE.

DEVICE FOR DRIVING HORSES.

SPECIFICATION forming part of Letters Patent No. 465,504, dated December 22, 1891.

Application filed March 24, 1891. Serial No. 386,270. (No model.)

To all whom it may concern:

Be it known that I, HENRY E. WARE, a citizen of the United States, residing at Ainsworth, in the county of Brown and State of Nebraska, have invented a new and useful Attachment for Driving Horses Hitched to Horse-Powers, of which the following is a specification.

My invention relates to improvements in driving attachments for horse-powers, the objects in view being to provide an attachment to any horse-power of cheap and simple construction, and which will permit of the attention of the operator being given to the machinery, and at the same time enable him to keep the horse moving by the application of the whip and while remote from the power.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a horse-driving attachment to horse-powers, constructed in accordance with my invention. Fig. 2 is an enlarged detail in perspective of the whip supporting and operating devices.

In the drawings I have shown my invention applied to one form of horse-power; but it is obvious that attachment may be made with any of the horse-powers now in use.

In practicing my invention I attach to the central standard 2 of the horse-power a bracket 3, having a tube or guide 4.

5 is the draft-beam, provided with the singletrees, and 9 is the leading-bar to which the leading-rein of the animal is connected.

One end of the beam 5 is provided with a bar 8, and the same is disposed at an angle to the beam and provided at one extremity with a flat spring 10, terminating at its upper end in a whip-socket 11, which by a screw 12 clamps a whip 13, and at its opposite end carries a loose pulley or guide-roller 14. A light rope or cord 15 is connected at one end to the whip-socket 11, and has its opposite end passed under the pulley 14 up through the tube 4,

which is located above the heads of the animals, and off to some distant point, preferably adjacent to the machine being operated by the power.

It will be understood that the standard 2 rotates in the base upon which it is mounted, so that no twisting or winding of the reins thereabout can occur.

The horses being harnessed to the singletrees, it is simply necessary to jerk the rope 15 so as to bring the whip in contact with the horse, thus starting him, and he in turn starting the other horse, and such applications of the whip may be repeated from time to time until the horse is made to assume and continue the desired gait. Such requires no special attention upon the part of the driver, who may thus attend to the running of the machine.

Having described my invention, what I claim is—

1. In a driving attachment to horse-power, a draft-beam adapted for connection with the horse, a spring-supported whip-socket mounted on the beam, a guide located above the socket and out of the path of the horse, and a cord passed through the guide and connected to the socket, substantially as specified.

2. The combination, with the fixed standard 2, having the tubular guide 4 and the draft-beam 5, of the bar 8, having the pulley 14, the flat spring 10 at the opposite end thereof, the whip-clamping socket 11, the cord or rope connected at one end to the socket, passed under the pulley up through the guide, and terminating remote from the power, and the singletrees connected to the ends of the beam 5, substantially as specified.

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

HENRY E. WARE.

Witnesses:

FRED W. SISSON,
MARTIN L. SPOTSWOOD.