

E. R. RAY.

Devices for Checking Horses.

No. 148,383.

Patented March 10, 1874.

Fig. 1.

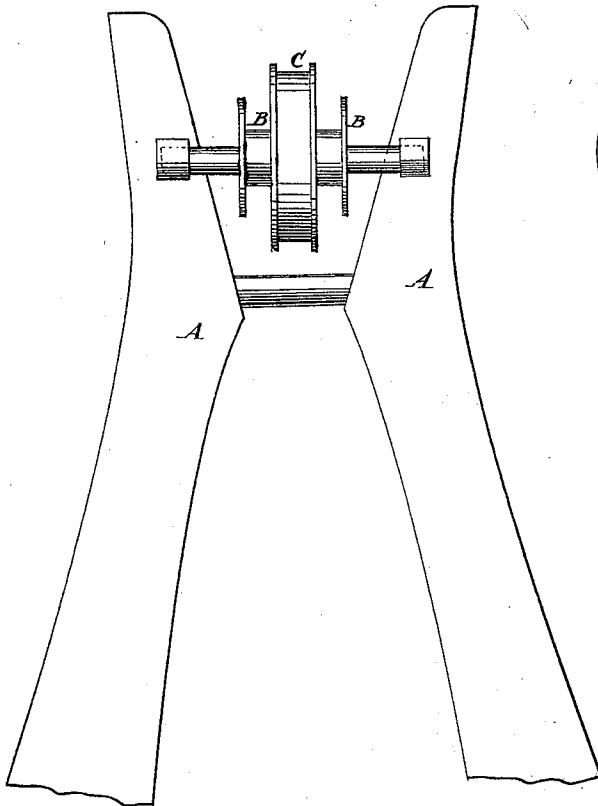
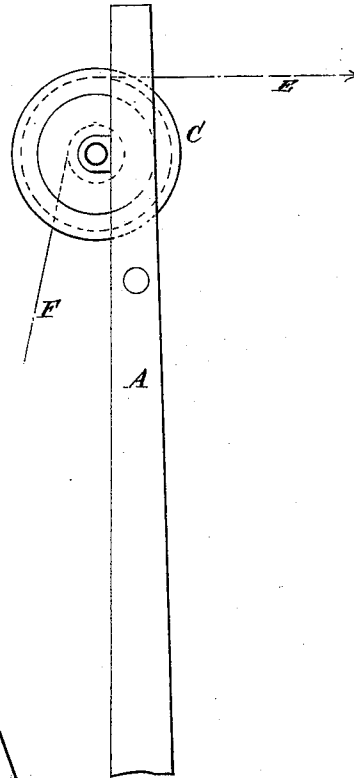


Fig. 2.



Witnesses:

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EDWIN R. RAY, OF COLUMBUS, KENTUCKY.

IMPROVEMENT IN DEVICES FOR CHECKING HORSES.

Specification forming part of Letters Patent No. **148,383**, dated March 10, 1874; application filed September 6, 1873.

To all whom it may concern:

Be it known that I, EDWIN R. RAY, of Columbus, in the county of Hickman and State of Kentucky, have invented a new and useful Improvement in Device for Checking Horses, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

In the accompanying drawing, Figure 1 is a front view. Fig. 2 is a side view.

Similar letters of reference indicate corresponding parts.

A represents the hames of a harness, which are of ordinary construction. B B are two bridle check-rein pulleys, and C is a pulley for a hand-rein. These pulleys are made in one piece, having through their center a shaft, D. The ends of the shafts are made fast to the hames, reaching from one side to the other, as seen in the drawing, with the pulleys revolving thereon; but the pulleys may be fast on the shaft, and the latter be allowed to revolve on the hames. The check-reins of the bridle are attached, in any suitable manner, to the pulleys B B. To the pulley C a hand strap or rein is attached, and is wound two or three times or more around the pulley C.

In Fig. 2, E represents the hand-rein, and F the bridle-reins. The rein E is within reach

of the driver, and when the driver pulls it, all the pulleys will be revolved, and the bridle check-reins will be wound up around the pulleys B B. The difference in the diameter of the pulleys B B and C gives the driver a purchase on the bit, which controls the horse and renders him powerless for evil. The purchase would, of course, be in proportion to the difference in the diameter of the pulleys. Instead of attaching the axle and pulleys to the hames of the harness, they may be connected with the saddle or back strap by means of a frame fastened thereto, and supported by straps, in any suitable manner, so as to render the device effective for the purpose.

I do not, therefore, confine myself to this precise number of pulleys, nor to this particular arrangement.

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

The winding-pulley C and the check-rein pulleys B B, fixed upon a shaft journaled in the hames, substantially as and for the purpose described.

EDWIN R. RAY.

Witnesses:

W. H. BEALL,
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