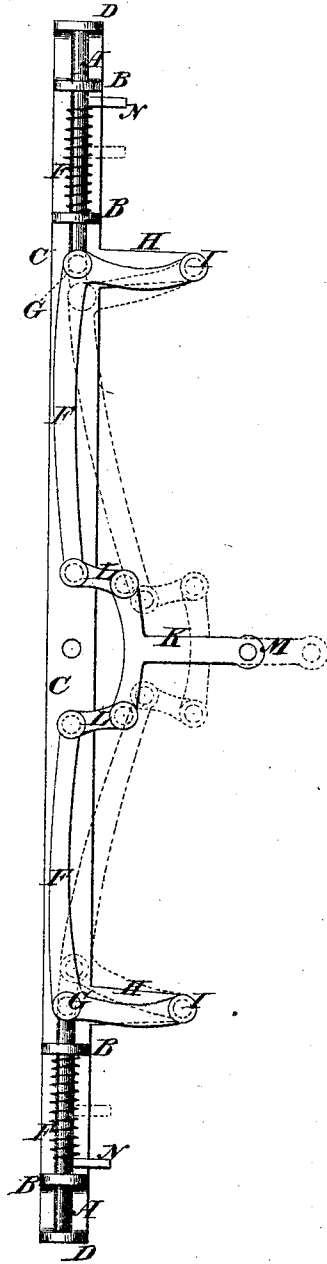


J. M. ISENBERG.

Improvement in Whiffletrees.

No. 130,854.

Patented Aug. 27, 1872.



Witnesses:

C. Sedgwick
Alex. F. Roberts

Inventor:

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UNITED STATES PATENT OFFICE.

JACOB M. ISENBURG, OF HUNTINGDON, PENNSYLVANIA, ASSIGNOR TO
HIMSELF AND S. H. ISENBURG, OF SAME PLACE.

IMPROVEMENT IN WHIFFLETREES.

Specification forming part of Letters Patent No. 130,854, dated August 27, 1872.

Specification describing a new and Improved Horse-Detaching Apparatus, invented by JACOB M. ISENBURG, of Huntingdon, in the county of Huntingdon and State of Pennsylvania.

My invention consists of a peculiar arrangement of devices with sliding catch-bolts on the whiffletree for engaging and holding the traces, whereby I may readily detach the traces and let the horse go by the pulling of a cord or strap, which said arrangement will be hereinafter described.

The drawing is a plan view of a single-tree with my improved arrangement of detaching apparatus applied to it.

A represents the catch-bolts for holding the traces. They are arranged in bearings B, which rise up from the upper surface of the whiffletree C to slide toward and from the ends D of said whiffletree, which are bent up in front of the bolts, and springs E are arranged with the said bolts, so that they are constantly pushed out against said ends D. They receive the traces between the ends D and the outermost bearings B. Inside of the inner bearings B the said bolts are connected at G to the elbow-levers F, which are pivoted at I to the arms H, projecting rearward from the whiffletree, and near the middle of the whiffletree said levers are connected to the T-shaped bar

K by links L, for being simultaneously pulled backward by a strap or cord extending from the eye M through or over any suitable guides to a place in easy reach of the driver, so that the catch-bolts may be retracted and the traces cast off thereby to let the horse go when he becomes unmanageable. The pins N are attached to the catch-bolts to facilitate the pushing of them back by hand for connecting and disconnecting the traces.

I am aware of the use of the sliding spring-bolts and angled levers, and certain devices for operating them, in combination with whiffletrees, and lay no claim to such mechanism broadly.

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

The T-shaped connecting-piece K, links L, angled levers F F having their fulcrums in the ends of the arms H H, the sliding bolts A A provided with pins N, the springs E, and lugs or bearings B, all arranged in connection with the whiffletree-bar, as shown and described, to operate as specified.

J. M. ISENBURG.

Witnesses:

JNO. O. MURRAY,
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