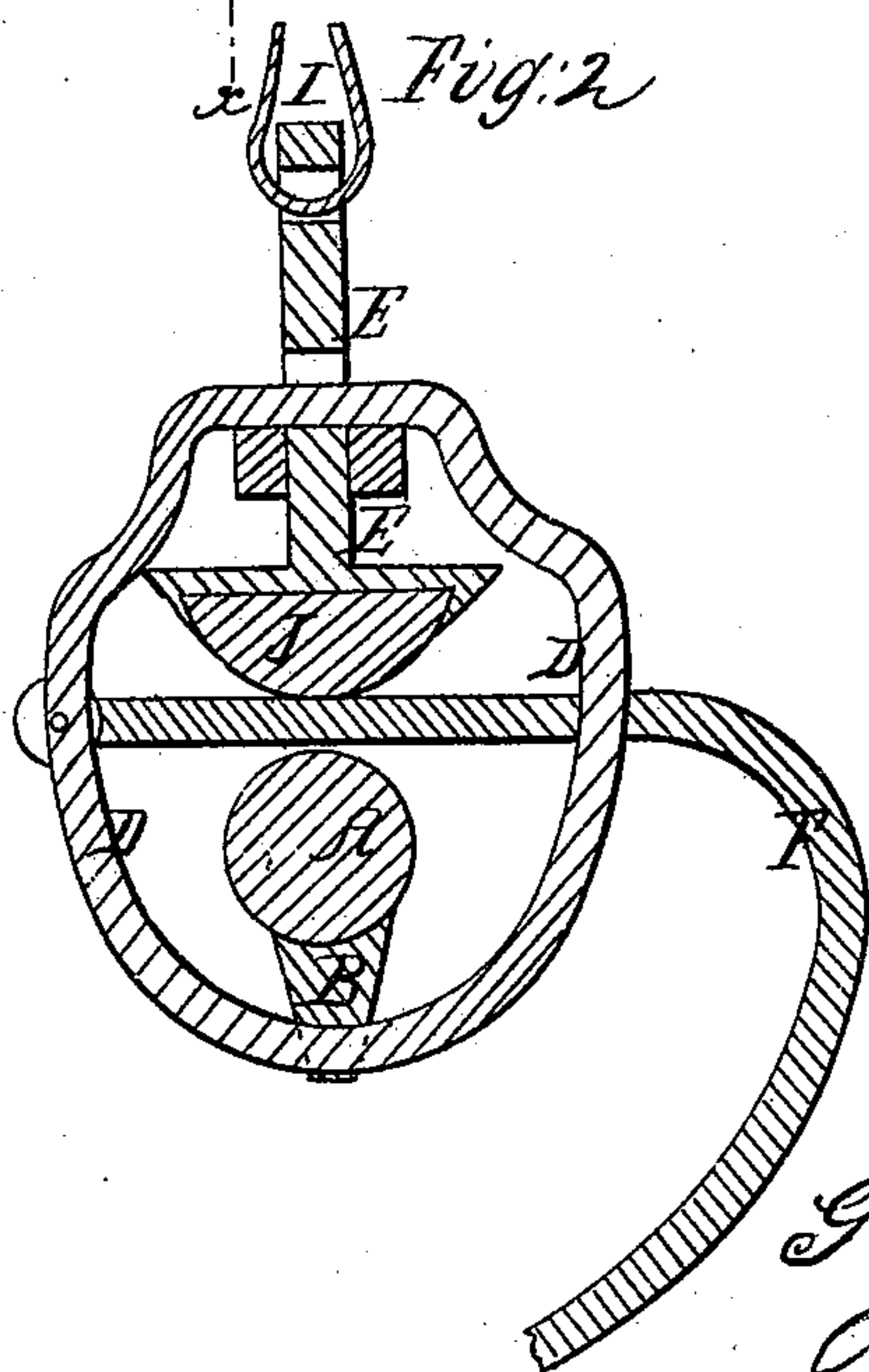
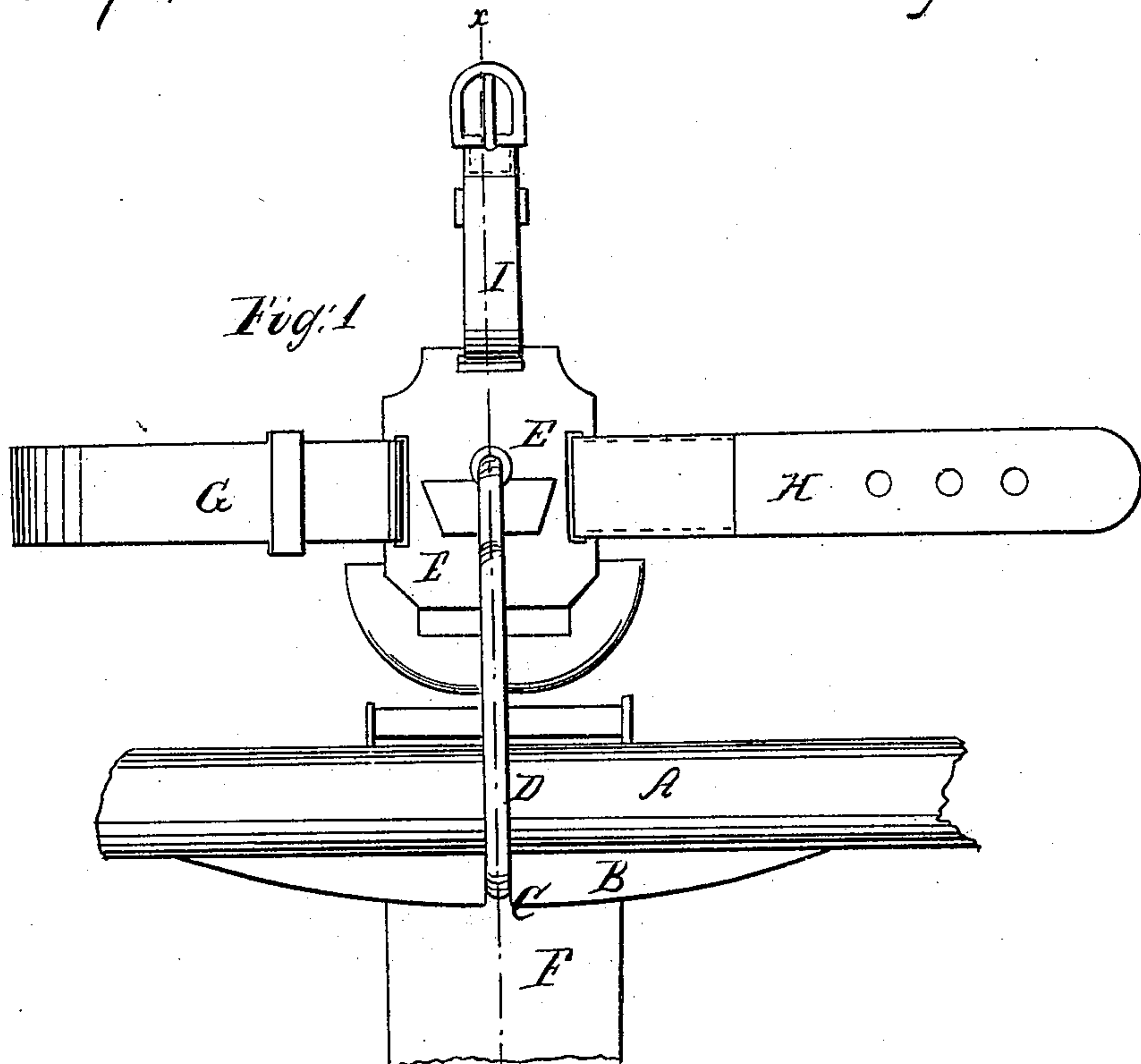


G. M. Zell,

Harness.

No 76,874.

Patented Apr. 14, 1868.



Witnesses
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Per *[Signature]*
Attorneys

United States Patent Office.

GEORGE M. ZELL, OF WAYNESVILLE, OHIO.

Letters Patent No. 76,874, dated April 14, 1868.

IMPROVEMENT IN HARNESS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE M. ZELL, of Waynesville, in the county of Warren, and State of Ohio, have invented a new and improved Harness-Attachment; and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim, and desire to have secured to me by Letters Patent.

The object of the present invention is to dispense with the use of the ordinary tugs or traces to harnesses, and, by the improved attachment embraced herein, it is satisfactorily accomplished, and in such a manner as to enable a horse to be attached and detached from the shafts of the vehicle with the utmost dispatch and ease, it requiring but the buckling and unbuckling of one buckle.

In the accompanying plate of drawings my improved harness-attachment is illustrated—

Figure 1 being a side view of the attachment, in connection with one of the shafts of the vehicle, on which it is shown as applied, and

Figure 2 a transverse vertical section taken in the plane of the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

A, in the drawings, represents one of the shafts of a carriage, to the under side of which a plate, B, is secured that at C is notched. In this notch fits a link, D, forming a part of my improved harness-attachment.

This link is hung to a plate or holder, E, having a strap, F, that, being passed around under the shaft, and buckled to the belly-band of the harness, holds the link to its place in the notched plate B.

G and H, straps hung to holder E, one, G, of which straps connects with the collar or hames. I, a strap, by which attachment is suspended or fastened to the saddle.

J, a rubber cushion upon under side of holder-plate, between it and the upper side of the shafts, to prevent the wear of the same from any friction of the holder or plate upon it.

Among the many advantages secured by my improved attachment for harnesses may be here mentioned—

That tugs are dispensed with, consequently greatly reducing the cost of the harness.

That a horse can be hitched or unhitched with the utmost ease and dispatch.

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

The combination of the holder-plate E, having the elastic cushion J, the link D, strap F, and notched plate B upon the under side of the shaft A, all constructed and arranged as described for the purpose specified.

GEO. M. ZELL.

Witnesses:

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