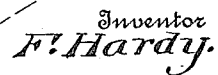


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UNITED STATES PATENT OFFICE.

FREDERICK HARDY, OF COLUMBIA, TENNESSEE.

TRACE-HOLDER.

1,063,437.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FREDERICK HARDY, citizen of the United States, residing at Columbia, in the county of Maury and State of Tennessee, have invented certain new and useful Improvements in Trace-Holders, of which the following is a specification.

This invention relates to trace holders, and has for one of its objects to provide a light attachment for a whiffle-tree, adapted to positively engage with the rear end of a trace to hold the same upon the tree.

The invention has for another object to provide a simple device of this character adapted to adjust itself to the variations in the thickness of the whiffle-tree, and to be held in position therein without the employment of screws, bolts, or other separate fastening devices.

The invention comprehends a trace holder having a finger or other like member for engagement through the eye of the whiffle-tree to retain the trace upon the outer end of the same, the finger having a yieldable retaining means to hold the same through the tree.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which the figure is a perspective view of the improved holder as attached to one end of the whiffle-tree.

Corresponding and like parts are referred to in the following description and indicated in the accompanying drawing by the same reference characters.

Referring to the drawing, the numeral 24 designates one end of a whiffle-tree to which the improved holder is applied.

In the construction of the improved device a length of wire is bent upon itself to provide a lip arm 23 to engage over the upper face of the whiffle-tree 24. The extremities of the lip arm 23 are turned downwardly against the opposite longitudinal edges of the tree 24 to form the forward ends of the clamping members. The wire is bent inwardly against the under face of the tree 24 and extends inwardly as at 25. The sec-

tions 25 are turned outwardly and upwardly 50 as at 26 to engage against the edges of the tree 24, and thereby form the inner ends of the clamping members. The ends of the wire are curved inwardly upon the upper face of the tree 24, and are formed into sup- 55 porting arms 27 which extend backwardly at substantially right angles to rest upon the upper face of the tree. Spring arms 28 are positioned over the tree 24, and are formed of a pair of lengths of wire extend- 60 ing from the supporting arms 27. The spring arms 28 extend forwardly from the supporting arms 27, and terminate in depending fingers 29. The fingers 29 extend through an eye 30 formed in the outer end 65 of the tree 24. The sections forming the arm 28 are held by a retaining member 31 in the form of a length of flattened metal, which is curved about the sections to form a sleeve. A lug 32 projects downwardly 70 from the outer end of the sleeve 31 to rest against the fingers 29 to retain the sleeve from sliding backwardly over the arms 28.

To position, or to remove the trace from the end of the tree, it is only necessary to 75 raise the spring arms 28 to withdraw the fingers 29 from the eye 30 to admit of the passage of the trace from beneath the lower end of the fingers 29.

Having thus described the invention, what 80 is claimed as new is:

A trace holder formed from a single wire and comprising coacting longitudinally extending members bent into loops spaced apart at one end adapted to engage around 85 a whiffle-tree and with a depending hook at the other end adapted to movably engage through an aperture in a whiffle-tree, a coupling member clamped around the longitudinal members and provided with a de- 90 pending portion bearing against said depending hook and reinforcing the same.

In testimony whereof, I affix my signature in presence of two witnesses.

FREDERICK HARDY. [L. S.]

Witnesses:

R. H. GORDON, Jr.,
W. G. RAINEX.