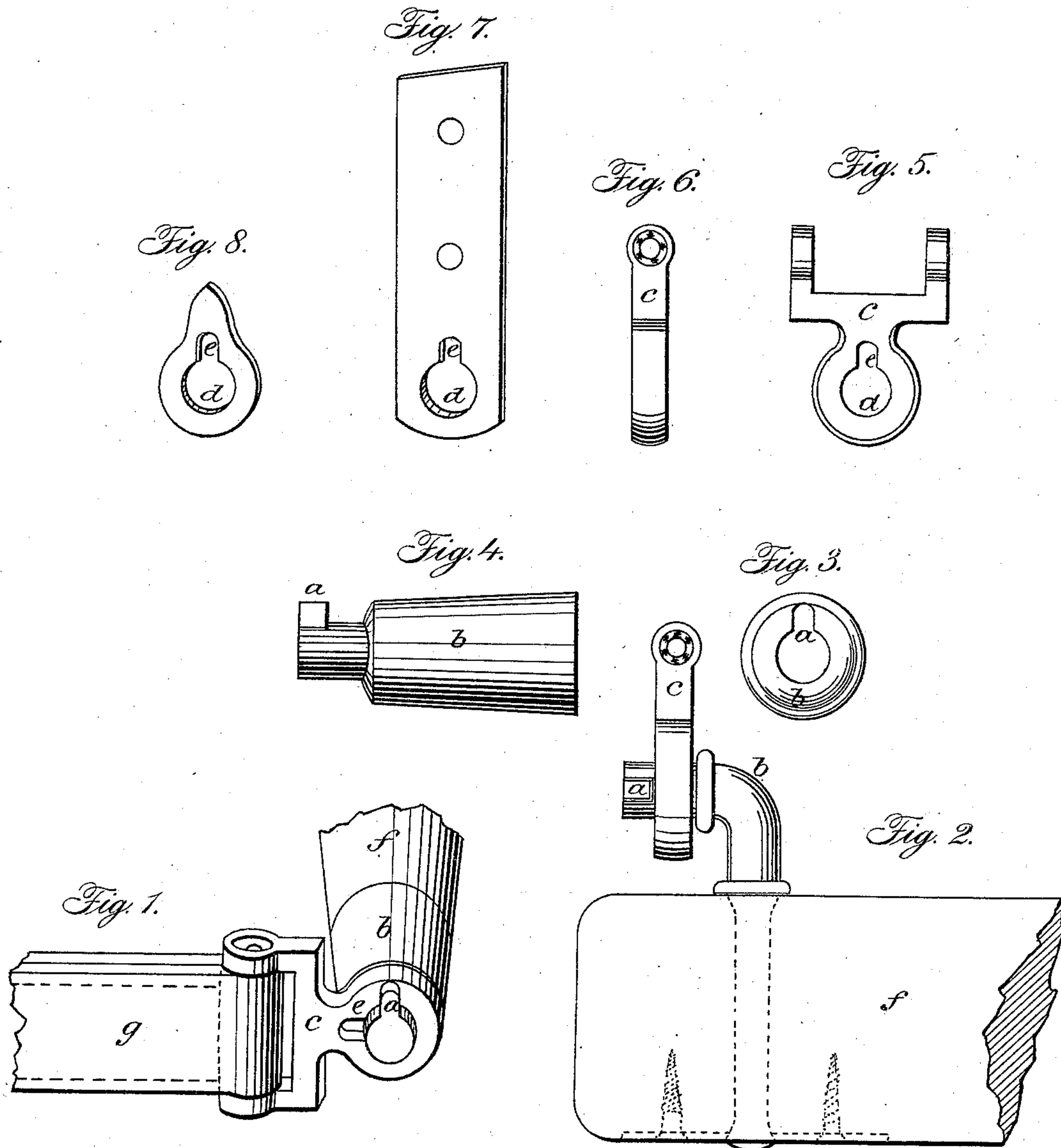


W. W. GORDON.

Whiffletree.

No. 70,197.

Patented Oct. 29, 1867.



Witnesses:

Robt. T. Johnson
Horand E. Stoutenburg

Inventor:

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United States Patent Office.

WILLIAM W. GORDON, OF DELHI, NEW YORK.

Letters Patent No. 70,197, dated October 29, 1867.

IMPROVEMENT IN WHIFFLE-TREE TRACE-CATCH OR COCK-EYE.

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, WILLIAM W. GORDON, of Delhi, in the county of Delaware, and State of New York, have invented a new and useful Whiffle-Tree Tip or "Trace-Catch" and "Cock-Eye," the same being intended for use on any ordinary wagon, truck, or other vehicle on which whiffle-trees are used; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, in which—

Figure 1 is a perspective view of the whiffle-tree trace-catch and cock-eye when in use with a round whiffle-tree.

Figure 2, a vertical or top view of a modification of the same invention, as applied to the flat whiffle-trees of lumber-wagons and heavy trucks.

Figure 3, an end view of the whiffle-tree tip or "trace-catch."

Figure 4, a side view of the whiffle-tree "trace-catch."

Figure 5, a side view of the "cock-eye."

Figure 6, an edge view of the "cock-eye."

Figures 7 and 8 are perspective views of plates, intended to be used with light traces instead of a "cock-eye." Like letters of reference indicate like parts.

The nature of my invention consists in applying a projecting stud, key, or pin, *a*, to the pin of the whiffle-tree tip or "trace-catch" *b*, figs. 1, 2, 3, and 4, for the purpose of retaining the trace or cock-eye upon the same when in use, said stud, key, or pin being either applied to, formed out of, or constituting a part of, the whiffle-tree tip or trace-catch, as occasion may require. The "cock-eye" *c*, figs. 1 and 5, in addition to the hole *d*, is provided with a slot, *e*, sufficiently large to allow the stud, key, or pin *a*, figs. 1, 2, 3, and 4, to pass easily through it.

The method of application is as follows: The whiffle-tree tip or "trace-catch" *b*, figs. 1 and 2, is fastened upon the whiffle-tree *f* in the usual manner, care being taken to have the stud or key *a* either perpendicular or at such an angle as to prevent the cock-eye or trace from slipping off when the same is in use in a horizontal position. The "cock-eye" is also applied to the traces of harness in the ordinary manner. The plate, fig. 7, is intended for use with medium-sized traces, when a cock-eye is not wanted, and is placed in the centre of the trace, at the end, stitched around and riveted, a corresponding hole and slot being cut out of the leather constituting the trace. The plate, fig. 8, is intended for very light traces, and is inserted at the end of the trace, and neatly stitched around, a corresponding hole and slot being cut out of the trace. In attaching the traces to the whiffle-tree, all that is required is to bring the axis of the slot *e* in line with the axis of the stud or key *a*, and to pass the trace or "cock-eye" over it, on to the pin of the whiffle-tree tip or "trace-catch," until it is clear of the stud, when the trace, being allowed to drop in a horizontal position, as shown in fig. 1, it is held securely on the whiffle-tree.

The advantages of this invention are its simplicity and security. The whiffle-tree tips and cock-eyes are as easily manufactured as any others, are as easily applied, and when applied are far more secure.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The stud, key, or pin *a*, figs. 1, 2, 3, and 4, in combination with a whiffle-tree tip or trace-catch, substantially as set forth.
2. I claim the slot *e*, in combination with the cock-eye *c*, figs. 1 and 5, when constructed in the manner and for the purposes set forth.
3. I claim the combination of the stud *a* and slot *e*, fig. 1, when constructed in the manner and for the purposes set forth in the above specifications.

Witnesses:

RT. T. JOHNSON,

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