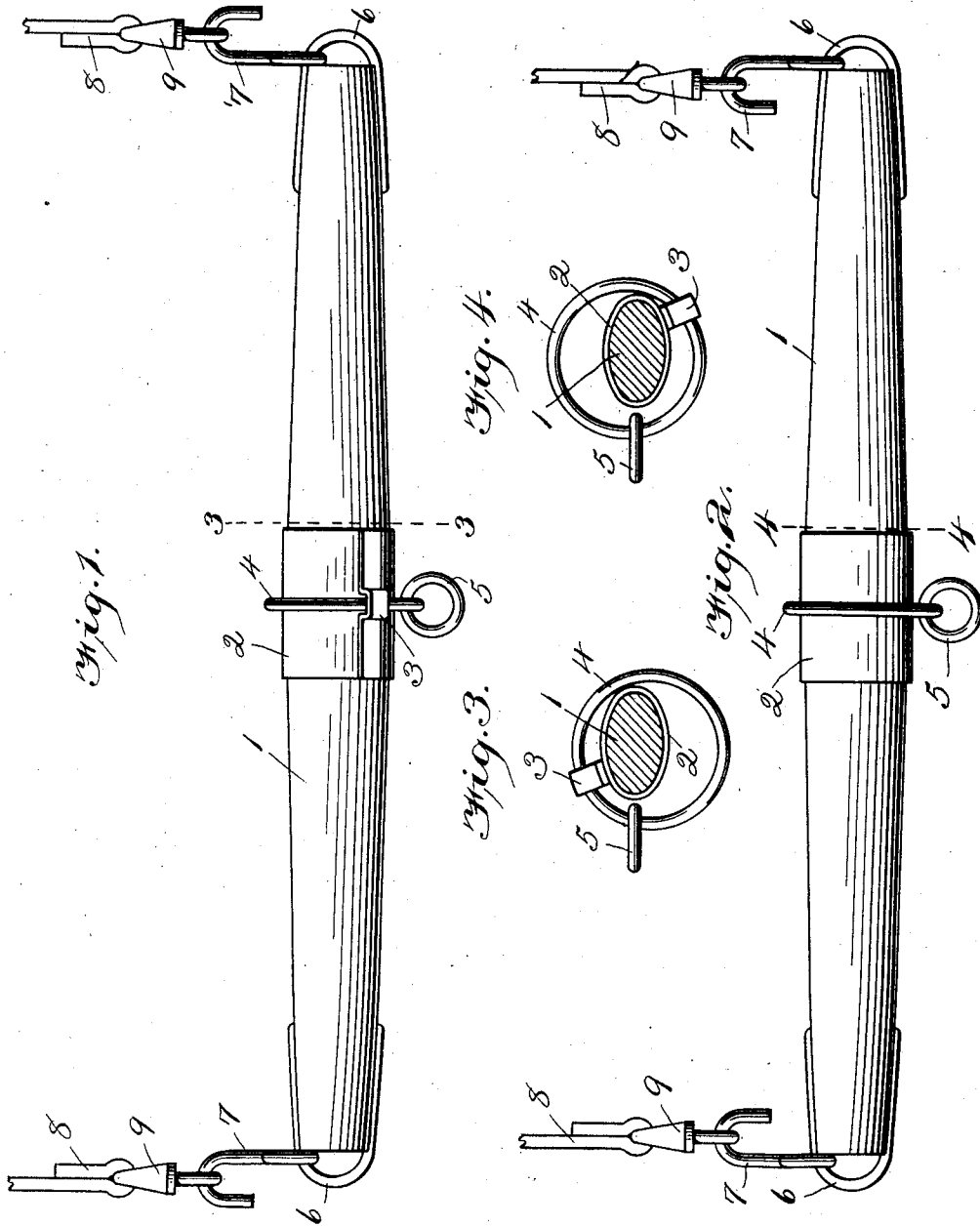


J. C. GARRIGUS.
 SWINGLETREE.
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1,037,895.

Patented Sept. 10, 1912.



Witnesses

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UNITED STATES PATENT OFFICE.

JEPHTHA CASS GARRIGUS, OF BANKS, OREGON.

SWINGLETREE.

1,037,895.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JEPHTHA CASS GARRIGUS, of Banks, in the county of Washington and State of Oregon, have invented a new and useful Improvement in Swingletrees, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming a part thereof, and to the reference characters marked thereon, to enable others skilled in the art to which the same appertains to make and use the same.

My invention relates to a swingle-tree to be used on vehicles but more particularly to a reversible swingle-tree which is so constructed and arranged that it is free to turn on its longitudinal axis in such manner that the usual wear to which a swingle-tree is subjected does not fall in the same place thereby increasing the life of the swingle-tree.

My invention has for its object to provide a swingle-tree which is so constructed and arranged that the possibility of entanglement when the draft is removed from the traces is reduced to a minimum.

With these objects in view my invention consists in the novel construction and arrangement of the parts for securing the swingle-tree to the vehicle and in the novel construction and arrangement of the parts which allows the swingle-tree to turn or rotate on its longitudinal axis.

Referring to the accompanying drawing: Figure 1 is a plan view of a swingle-tree constructed in accordance with my invention. Fig. 2 is a similar view illustrating the swingle-tree turned a half turn on its longitudinal axis. Fig. 3 is a transverse sectional view through the swingle-tree taken on line 3—3 of Fig. 1, and Fig. 4 is a transverse sectional view through the swingle-tree taken on line 4—4 of Fig. 2.

Like numerals of reference indicate the same parts throughout the several figures in which:

1 indicates a swingle-tree which as shown in the drawing is provided preferably with a central metallic sleeve or guard 2, and upon the guard 2 is arranged a loop 3, said loop, as will appear from the drawing, being to one side of and standing obliquely to the longitudinal central axis of the swingle-tree.

4 indicates a large ring which surrounds the swingle-tree and which is held in central position by means of the loop 3, a smaller ring 5 being carried on the ring 4 for the purpose of securing the swingle-tree to the vehicle. Upon each end of the swingle-tree I provide a loop 6 to which a hook 7 is connected, the traces 8 being connected to the hook 7 by means of a swivel 9. By this construction the swingle-tree is free to turn without causing a twist to occur in the traces 8.

Referring now to Figs. 1 and 3 it will be seen that the swingle-tree is in engagement with the ring 4 and that the loop 3 is on the top of the swingle-tree; while reference to Figs. 2 and 4 shows the swingle-tree reversed or rotated a half turn showing the opposite side of the sleeve or guard 2 in engagement with the ring 4, and also illustrates the loop 3 on the under side of the swingle-tree, which position said loop will assume when the swingle-tree is rotated a half turn. By reference to Figs. 1 and 2 it will also be seen that the hooks 7 are reversed on the loops 6 whenever the swingle-tree is turned a half turn. The swingle-tree in the course of use will assume these positions shown in the drawing in such manner that the wear on the parts is distributed so that the life of the swingle-tree is considerably increased. Whenever the draft on the traces is relieved the possibility of entanglement of the traces and the swingle-tree is minimized owing to the swivel connection on the traces and the swingle-tree, and also owing to the fact that the swingle-tree will assume any position as soon as the draft on the traces is renewed.

Having described the several parts of my invention what I claim as new and desire to secure by Letters Patent of the United States is:

A whiffle-tree having about at its center a fixed metallic sleeve, said fixed metallic sleeve being provided with a loop arranged thereon and extending therefrom, said loop being located on said metallic sleeve to one side of the longitudinal center or axis of the whiffle-tree, a ring loosely encompassing said whiffle-tree, said ring being held in position around the said metallic sleeve by means of said loop, a vehicle attaching ring connected with the first mentioned ring by means of which vehicle attaching ring the

whiffle-tree is connected to the vehicle, and
a swivel at each end of said whiffle-tree for
connection with the usual traces, said swivel
being arranged and provided to relieve any
5 twisting of the usual traces upon rotation of
the whiffle tree within its encompassing
ring, substantially as described and for the
purposes set forth.

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

JEPHTHA CASS GARRIGUS.

Witnesses:

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R. ELIZABETH ARCHBOLD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
