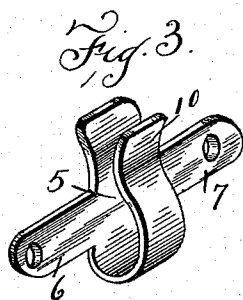
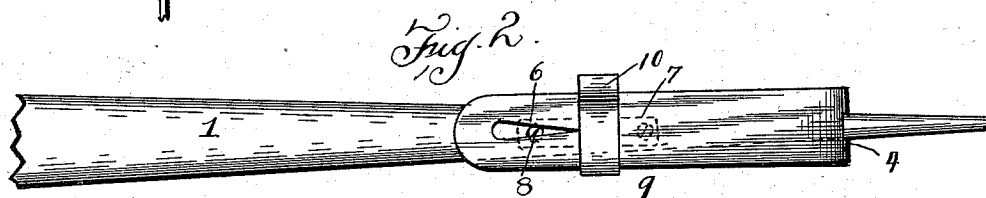
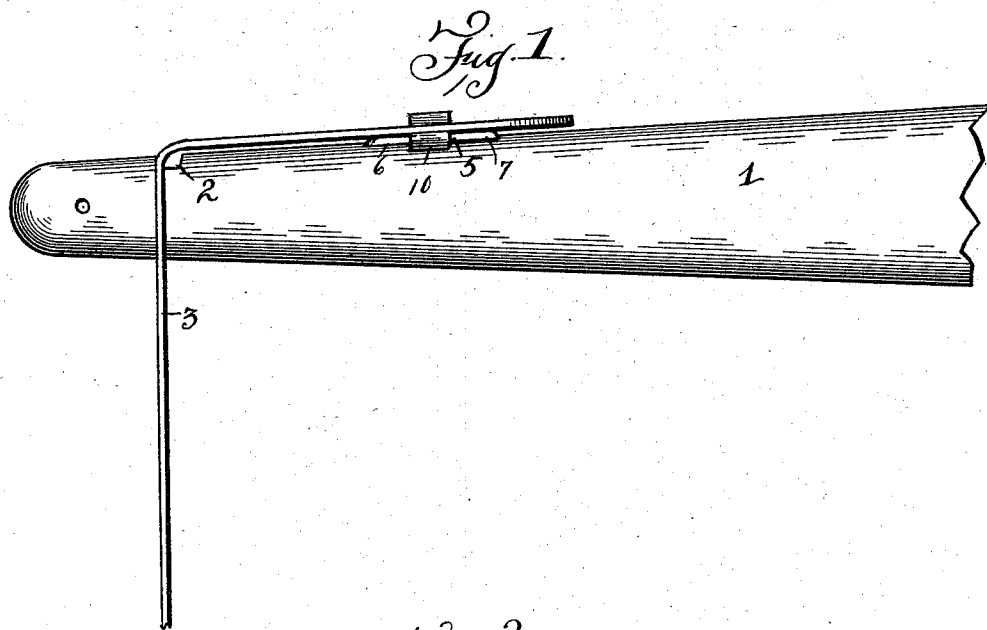


(No Model.)

S. B. LUCAS.
TUG HOLDER.

No. 573,889.

Patented Dec. 29, 1896.



WITNESSES
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UNITED STATES PATENT OFFICE.

SIMEON B. LUCAS, OF HINSDALE, NEW YORK.

TUG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 573,889, dated December 29, 1896.

Application filed August 7, 1896. Serial No. 602,067. (No model.)

To all whom it may concern:

Be it known that I, SIMEON B. LUCAS, a citizen of the United States, residing at Hinsdale, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Tug-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to harness tugs or traces.

Heretofore considerable difficulty has been experienced, owing to the fact that the tug or trace is liable to "whip" or slip off of the singletree. My object is to obviate this difficulty, and this is accomplished by the provision of a novel form of spring-holder connected to the singletree, which receives the end of the tug and prevents the same from slipping off of the singletree.

In the accompanying drawings, Figure 1 is a plan view of a portion of the tug or trace and a singletree, my improved holder being applied to the latter; Fig. 2, a rear elevation of the same, and Fig. 3 a detail perspective view of the spring-holder.

The numeral 1 designates a section of the singletree which is provided with a notch 2, as usual. At 3 is shown a trace or tug. This is provided with a slit 4, made at some distance from its end, and the end of the singletree is passed through this slit until the tug

slips into the notch 2. It will thus be seen that the end of the trace or tug is free.

I will now describe my improved spring-holder. This is made of a single piece of spring metal, comprising a body 5, which has lips 6 and 7, through which pass screws 8 and 9, that fasten the holder to the singletree, and 10 designates a compound-curved free arm. After the tug has been slipped over the end of the singletree its free end is slipped down in between the body and the spring-arm of the holder. When thus arranged, it will be impossible for the tug to either be whipped by the horse or to slip off at any time.

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

The combination with a singletree, of a trace or tug provided with a slit and having a free end, the trace being slipped over the singletree, and a holder comprising an elongated body or backing which is fastened to the singletree, and an integral upwardly-extending spring-arm, the free end of the trace being received between the body and the spring-arm.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

SIMEON B. LUCAS.

Witnesses:

P. S. COLLINS,
L. D. CHAMPLIN.