(No Model.)

W. D. REIFSNIDER.

TRACE PROTECTOR.

No. 468,692. Patented Feb. 9, 1892.

FIG 1

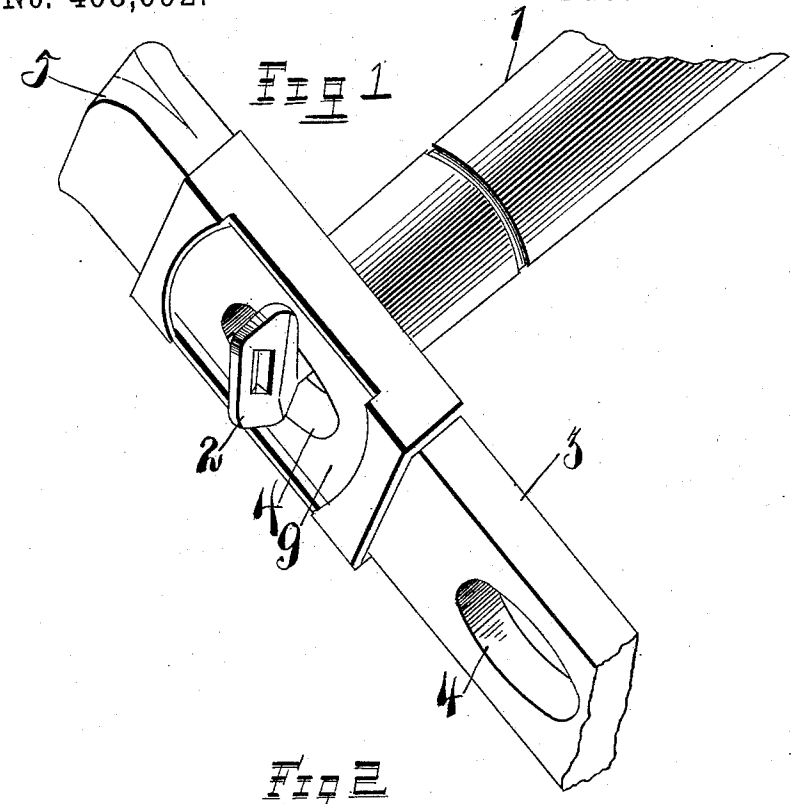
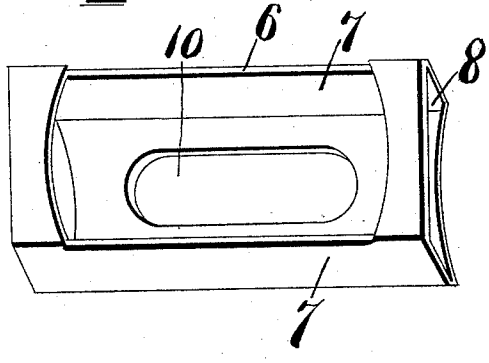


FIG 2



WITNESSES
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM D. REIFSNIDER, OF LAKE, OHIO, ASSIGNOR OF ONE-HALF TO CALVIN K. REIFSNIDER, OF ST. LOUIS, MISSOURI.

TRACE-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 468,692, dated February 9, 1892.

Application filed June 22, 1891. Serial No. 397,062. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM D. REIFSNIDER, of the city of Lake, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Trace-Protectors, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in "trace-protectors;" and it consists in the novel arrangement and combination of parts, as will be more fully hereinafter described, and designated in the claim.

In the drawings, Figure 1 is a perspective view of my complete invention, showing the same applied to a trace and also to an ordinary singletree. Fig. 2 is a perspective view of the same detached or removed from the trace.

The object of my invention is to construct a device to prevent the trace from being worn away at the point where the same is secured to the singletree and also to more securely hold said trace on said singletree, which will more fully hereinafter appear from the specific description.

Referring to the drawings, 1 indicates a singletree of ordinary construction. Said singletree 1 is provided with a button 2, over which the trace 3 is passed. Said trace 3 is provided with suitable holes 4, through which the button 2 is passed, and is also provided at its free terminal with an enlarged portion 5, for the hereinafter-described purpose.

6 indicates the trace-protector of the construction as shown in Fig. 2. Said protector 6 is provided with closed faces 7, open ends 8, for the insertion of the trace 3, with an open face 9 and elongated hole or perforation 10. The button 2 of the singletree is adapted to pass through perforation 10 when said perforation is applied longitudinally to the button 2, and when said button occupies a transverse position relative to said perforation 10 said protector 6 is prevented from slipping off of the button 2 and occupies the position, as illustrated in Fig. 1. It may be premised in this connection that Fig. 1 illustrates the position of the protector 6 when in use.

The portion of the protector in the region of perforation 10 comes in contact with the metallic ferrule of the singletree, and consequently protects the trace 3 from any abrasive effect.

Having described the form of the protector 6, I will now describe the use and occupation of the same.

Protector 6 is first slipped over the trace 3. The enlarged portion 5 of said trace will prevent said protector from slipping off the trace when it is not in use. In applying the trace, and consequently the protector, to the singletree, the operator should first slip the protector 6 on the trace, so that the perforation 10 coincides with one of the perforations 4 on the trace. In this position the protector 6, and consequently the trace 3, may be slipped over button 2, and then by slipping or moving said protector either in a forward or backward direction the trace 3 is securely fastened on the button 2, as ordinary judgment may readily perceive.

Having fully described my invention, what I claim is—

As a new article of manufacture, the herein-described trace-protector, consisting of a base portion having an elongated opening 10 therein, sides 7, projecting from said base portion, and a top provided with a central opening 9, substantially as described.

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

WILLIAM D. REIFSNIDER.

Witnesses:
SILAS B. MASE,
J. W. KREIGHBAUM.