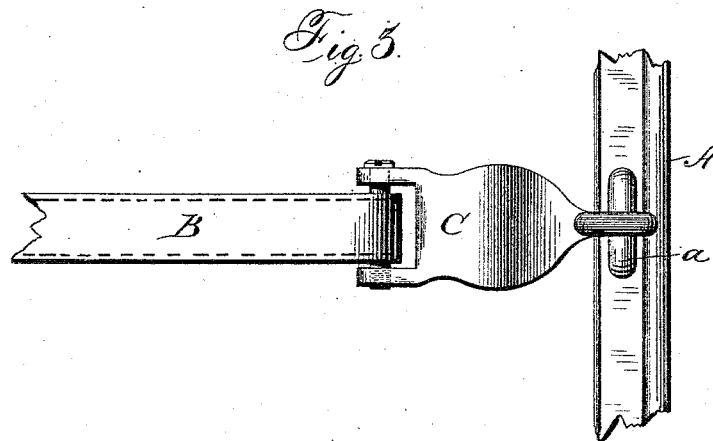
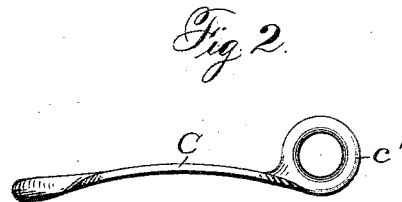
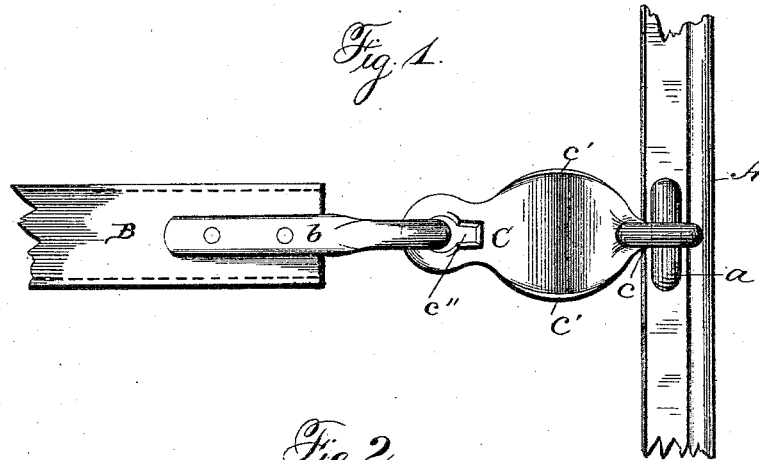


(No Model.)

R. W. JONES.
HORSE COLLAR PROTECTOR.

No. 303,224.

Patented Aug. 5, 1884.



Inventor:

Richard W. Jones

WITNESSES

Chas. R. Jones
John W. Jones

UNITED STATES PATENT OFFICE.

RICHARD W. JONES, OF SYRACUSE, NEW YORK.

HORSE-COLLAR PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 303,224, dated August 5, 1884.

Application filed June 30, 1884. (No model.)

To all whom it may concern:

Be it known that I, RICHARD W. JONES, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in Collar and Trace Protectors, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a view of my invention applied to the hame and trace. Fig. 2 is a side elevation of the plate, and Fig. 3 is a view of a modification.

My invention relates to a shaft-plate to be applied at one end to the hame-staple and at the other to the trace-clip, or directly to the trace; and it consists of a plate made concave on its inner or under side to fit the collar, with an eye at one end, through which the hame-staple is passed, and either with a slot or loop for the trace-clip at the other end. At the third end is a screw-roller, over which the trace is stitched, as will be hereinafter more fully described.

In the drawings like letters of reference indicate corresponding parts in the different views.

A is the hame, and *a* the hame-staple, which are of the ordinary construction.

B is the trace, and *b* the trace-clip, (see Fig. 1,) which are also of the usual form.

C represents the plate. It is provided at one end with the loop or eye *c*. This loop *c* projects above the outer or upper surface of the plate, and through it the hame-staple is applied, and thus secured to the hame. The under side of the plate is made concave to fit the collar, as shown in Fig. 2, and the outer edges are flanged at *c' c'* to prevent the plate from cutting the collar. When the trace is provided with the clip *b*, a key-hole slot, *c''*, is formed in the back end of the plate. The clip is passed through this slot and secured to the trace in any suitable manner. It is not necessary that the trace-clip should be used, however, as instead of the slot *c''* the plate

may be provided with two rearwardly-projecting arms or lugs, which are perforated or screw-tapped, and a bolt or screw carrying a roller is inserted therein. The trace is then sewed around this roller, and the clip *b* is dispensed with; or the lugs can be connected by a cross-bar integral with the lugs.

It has been customary heretofore to pass the clip through the hame-staple and then rivet it to the trace, and in what is known as a "square staple" to sew the trace into the staple, or to sew the trace so as to form a loop, and then slide a bolt through it. By both of these methods the clip draws over the collar, and there is great liability of the trace breaking at the end of the clip in a short time. These objections are entirely overcome by my improvement. The plate forms a protection for the collar, and the shaft-strain is removed from both collar and trace.

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

1. A shaft-plate for hames, concave on its under side, and with a loop or eye projecting from its outer surface at one end for the hame-staple, and with a slot or roller-bar at its other end for the trace or trace-clip, substantially as described.

2. A shaft-plate for hames, concave on its under side, and provided with the loop *c*, the side flanges, *c' c'*, and the key-hole slot *c''*, substantially as set forth.

3. The combination of the hame A, provided with staple *b*, the shaft-plate, made concave on its under side, and with a loop or eye projecting from its outer surface at one end, and with a slot or roller-bar at the other end, and the trace, substantially as set forth.

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

RICHARD W. JONES.

Witnesses:

C. W. SMITH,
G. T. HIER.