(No Model.)

T. J. HARBOUR.

TRACE CARRIER.

No. 443,645. Patented Dec. 30, 1890.

Fig. 1.

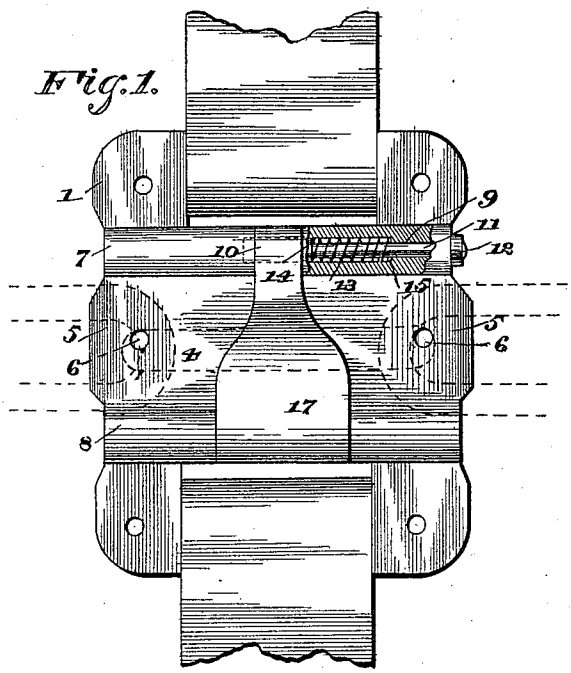
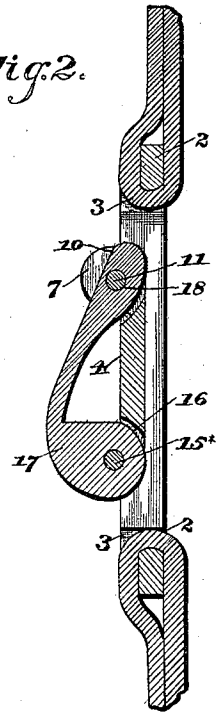


Fig. 2.



Witnesses:
B. S. Over
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By his Attorneys,
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UNITED STATES PATENT OFFICE.

THOMAS J. HARBOUR, OF MARKLEY, TEXAS.

TRACE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 443,645, dated December 30, 1890.

Application filed August 29, 1890. Serial No. 363,433. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. HARBOUR, a citizen of the United States, residing at Markley, in the county of Young and State of Texas, have invented a new and useful Back-Band Buckle, of which the following is a specification.

This invention has relation to back-band buckles; and the objects in view are to provide a cheap and simple back-band buckle adapted to be secured to a back-band formed of fabric or leather and to receive and securely retain a chain-trace.

With the above objects in view the invention consists in certain detail features of construction hereinafter described, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a front elevation of the back-band buckle constructed in accordance with my invention. Fig. 2 is a vertical longitudinal section.

Like numerals of reference indicate like parts in both the figures of the drawings.

The buckle-frame consists of opposite vertical side bars 1, connected at their upper and lower ends by transverse bars 2, which between the side bars upon their front faces are recessed, as at 3, said bars 1 and 2 constituting a rectangular buckle-frame. The opposite side bars are connected by a transverse central bar 4, which near its ends is slightly beveled, as at 5. The side bars near their ends and the central bar near its ends may be provided with rivet-holes 6 for connection with a back-band of fabric; or a back-band of leather may be connected to the end bars 2 and passed in rear of the bar 4, which is offset upon the rear face of the buckle-frame, as shown, so that a back-band may pass in rear of the same and be flush with said rear face.

Formed integral with the frame and the central bar, and at the upper and lower edges of the latter, there are located superficial ribs 7 and 8, the former numeral designating the upper ribs and the latter the lower ribs, the ribs of each pair being bored in line with each other, as at 9. The upper ribs 7 are divided by a space 10, and in one of said ribs there is mounted a reciprocating bolt 11, terminating at its outer end in a head 12. A spring 13 is coiled about the bolt between a shoulder 14 formed upon the bolts and a shoulder 15 formed by a reduction of the bore in which the bolt is mounted, so that said bolt is forced by the spring into the bore of the opposite rib.

A pintle 15 is passed through the bores of the ribs 8, which ribs are divided by an intermediate space 16, and upon said pintle is hinged a swinging tongue 17, having an eye 18 at its lower end for the reception of the pintle and having its upper end reduced and adapted to fit between the ribs 7 into the space 10, and there provided with an eye 18, through which the bolt 11 is shot.

In practice a link in the chain of the trace is introduced over the reduced end of the tongue 17 subsequent to an outward swinging of the same after being liberated from the bolt by a previous withdrawal of the latter. The tongue is then swung to its locked position and the bolt liberated, whereby the chain is securely locked against displacement. It will be noticed that no projections are formed upon the buckle upon which the clothes of the teamster or portions of the harness may catch.

Having described my invention, what I claim is—

1. The herein-described buckle, the same consisting of a rectangular frame, a central integral transverse bar provided at its upper and lower edges with pairs of spaced-apart superficial ribs having central aligning bores, a spring-pressed bolt mounted in one of said ribs, adapted at its inner end to take into the opposite rib and provided at its outer end with a knob or head, a pintle mounted in the lower pair of ribs, a tongue pivoted upon the pintle, said tongue having its upper end reduced to fit between the upper pair of ribs and provided with an eye for the reception of the bolt, substantially as specified.

2. The herein-described back-band buckle, consisting of the opposite side bars, the transverse connecting end bars, the central transverse bar beveled at its ends and offset from the rear faces of the side bars, and said end bars having their front faces provided with

recesses between the side bars, upper and lower pairs of bored spaced-apart ribs, a bolt mounted in one of said ribs of the upper pair, a coiled spring encircling the bolt between a shoulder on the same and a shoulder formed in the bore, a pintle mounted in the lower pair of ribs, and a hook mounted upon the pintle and provided with a reduced upper end adapted to take between the upper pair of ribs, and provided with an eye for the reception of the bolt, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS J. HARBOUR.

Witnesses:

W. N. TERRILL,

W. S. CHRISTIAN.