

G. JEAKLE.
TUG-CARRIER.

No. 186,478.

Patented Jan. 23, 1877.

Fig. 1-

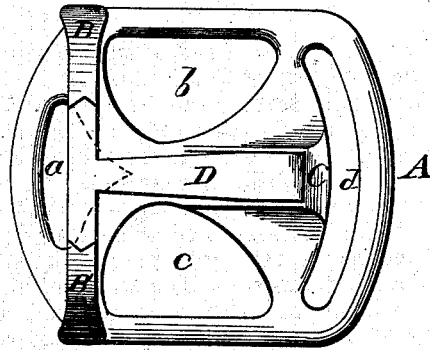
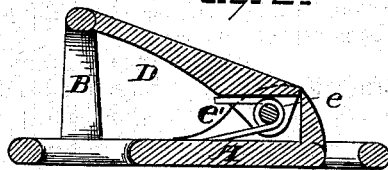


Fig. 2-



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UNITED STATES PATENT OFFICE.

GEORGE JEAKLE, OF NAPOLEON, OHIO.

IMPROVEMENT IN TUG-CARRIERS.

Specification forming part of Letters Patent No. **186,478**, dated January 23, 1877; application filed November 11, 1876.

To all whom it may concern:

Be it known that I, GEORGE JEAKLE, of Napoleon, in the county of Henry and State of Ohio, have invented certain new and useful Improvements in Tug-Carriers; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to tug or trace carriers or holders; and consists in certain details of construction, as hereinafter described and claimed.

In the drawings, Figure 1 is a plan view of my improved carrier, and Fig. 2 a longitudinal section of same.

The object of my invention is to form a convenient carrier or holder for the traces or tugs of a harness, which will also serve as a means for securing the crupper, hip, and back straps together.

A is any metallic plate, of square, oblong, or other suitable form, provided at each of its four sides, a short distance from the edges thereof, with oblong slots or openings *a b c d*, to allow of the attachment therein of the crupper, hip, and back straps, respectively. These openings are of a size and form to suit the dimensions of the straps to be attached. Plate A is provided, at or near its two front corners, with two prongs or horns, B B', one on either side of the opening *a*, which are bent upward and then inward to form a part of a snap-hook. The ends of these prongs B B' are properly inclined to snugly fit with the oppositely-inclined ends of a spring-arm. C is a raised portion of the plate, formed a short distance from and on the same side of the plate with slot *d*, and between slots *b* and *c*, and it is suitably cut or hollowed out to form a seating for a spring-arm. D is a spring-pressed arm, one end of which is suitably held in its seating C by a rivet, *e*, around which latter is wound a coil-spring, *e'*. The other

end of spring-arm D is provided with a cross-piece having inclined extremities, so that when the arm D is pressed downward, and rebounds by the action of the spring mechanism, the said extremities will snugly fit with the inclined ends of prongs B B'. The under part of the end of spring-arm D, which is riveted to seating C, is slightly hollowed out to give play to the spring *e'*.

The crupper, hip, and back straps of the harness are secured in their respective openings *a b c d* by rivets or other appropriate mechanical fastenings; or they may be inserted through the openings, bent over, and sewed. The carrier thus forms a substantial connecting device for these straps.

When the traces are unhooked from the whiffletree they are hooked, by the eyelets or rings in their ends, over the prongs B B' of the snap-hook, one on either side, where they are securely held until again needed for service.

By the use of my device, as above set forth, the tying and bending up of the ends of the traces when not in use are obviated, and consequently much time saved in hitching or unhitching.

The carrier may be constructed of any suitable metallic substance, as I do not limit myself to the use of any particular kind or quality.

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

The improved trace or tug carrier, consisting essentially of plate A, provided with slots *a b c d*, and prongs B B', in combination with the T-shaped spring-pressed arm, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of October, 1876.

GEORGE JEAKLE.

Witnesses:

WALTER STEPHENSON,
FRANK HALTER.