

(No Model.)

G. T. ARNOLD.
TUG OR TRACE CARRIER.

No. 381,317.

Patented Apr. 17, 1888.

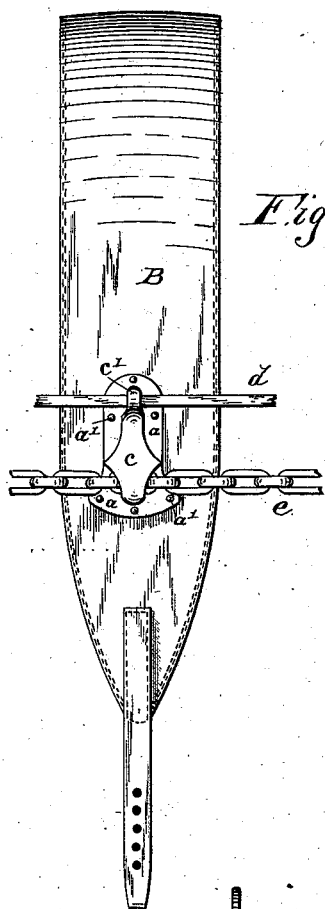


Fig. 1.

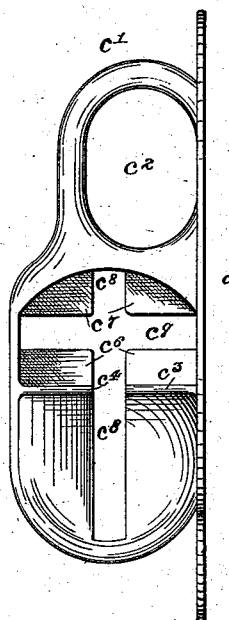


Fig. 2.

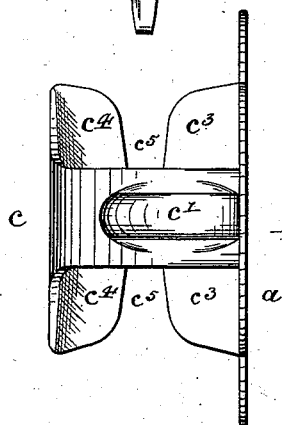
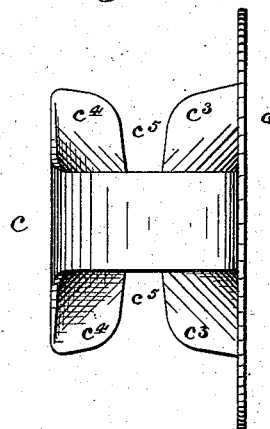


Fig. 3.

Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

GEORGE T. ARNOLD, OF LANCASTER, KENTUCKY.

TUG OR TRACE CARRIER.

SPECIFICATION forming part of Letters Patent No. 381,317, dated April 17, 1888.

Application filed April 20, 1887. Serial No. 235,563. (No model.)

To all whom it may concern:

Be it known that I, GEORGE T. ARNOLD, a citizen of the United States of America, residing at Lancaster, in the county of Garrard and State of Kentucky, have invented certain new and useful Improvements in Tug or Trace Carriers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to tug-carriers, more particularly for plow-harness; and the object of my invention is to produce a tug or trace carrier which shall permit the back-band to be adjusted backward or forward upon the animal, and which shall prevent all rubbing or chafing by the back-band as the animal walks.

To the above purpose my invention consists in the peculiar and novel construction of the tug or trace holder, as hereinafter described and claimed.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 is a front elevation of my improved trace-carrier in operative position upon the back-band and with the trace chain or tug inserted therein. Fig. 2 is a side elevation of the trace-carrier. Fig. 3 is a top view of the same. Fig. 4 is a bottom view of the same.

In the said drawings, *a* designates the back or body of the trace-carrier, which is broader at its lower end than at its upper end, and which is provided with a number of holes, *a'*, to receive rivets or other similar devices for securing the carrier to a back-band, *B*.

c designates a frame, which is formed integrally with the body *a*, and which extends outward at right angles thereto. A bridge, *c'*, is formed integrally with the body *a* and frame *c*, near their upper ends, and forms a loop or eye, *c''*, in the upper part of the carrier for receiving one of the reins or driving-lines *d*, as

shown in Fig. 1. Within the lower loop of the device are formed two horizontal laterally-extended shoulders, *c³ c⁴*, placed opposite each other and formed, respectively, upon the body *a* and the frame *c*. These shoulders are separated from each other by an opening or cut, *c⁵*. On the upper sides of the shoulders *c³ c⁴*, and midway of their width, are formed two lugs, *c⁶*, and above them, on the lower side of the bridge *c'*, are formed two lugs, *c⁷*, said lugs being separated from each other by spaces *c⁸ c⁹* and the the space *c⁵*, so as to form a cross-shaped aperture.

In using this device the chain trace or tug *e* is drawn through the + - shaped opening till its appropriate link comes over the space *c⁵*, when said link is dropped into the space. The length of the links is such as to allow the link in the space *c⁵* to play therein in accord with the movements of the horse's shoulders, so as to avoid rubbing the back-band. The lines are run through the loops *c'*, and are thus kept from becoming entangled in the harness. The device is simple and cheap, being of one piece and cast from any suitable metal.

The chain trace or tug may be readily removed and the back-band easily adjusted, as above described.

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

The improved trace or tug carrier having the back plate or body and the frame provided with shoulders, and lugs forming the cross-shaped aperture, substantially as described.

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

GEORGE T. ARNOLD.

Witnesses:

G. T. HIGGINBOTHAM,
W. B. MASON.