(No Model.)

B. LAKE.

HAME TUG ATTACHMENT.

No. 475,325. Patented May 24, 1892.

Fig. 1.

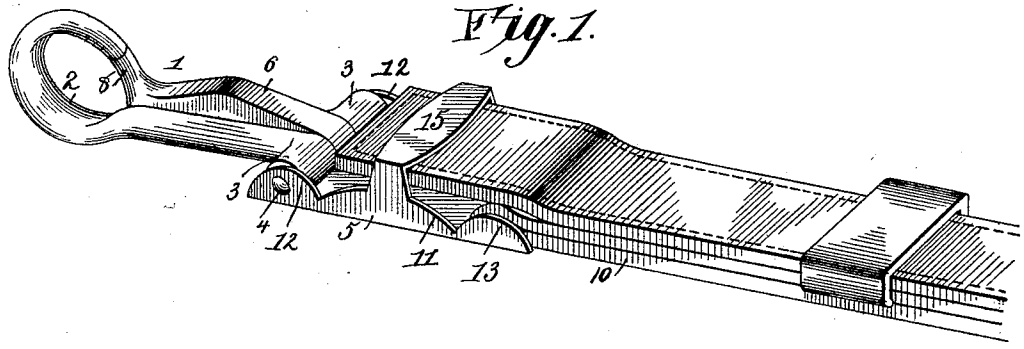


Fig. 2.

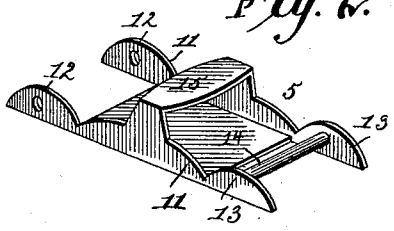


Fig. 4.

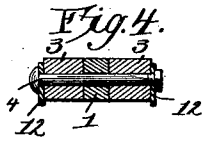
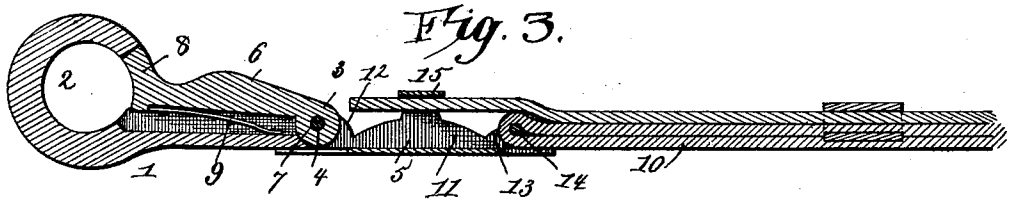


Fig. 3.



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UNITED STATES PATENT OFFICE.

BENJAMIN LAKE, OF CONCORDIA, KANSAS.

HAME-TUG ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 475,325, dated May 24, 1892.

Application filed November 11, 1890. Serial No. 371,071. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN LAKE, a citizen of the United States, residing at Concordia, in the county of Cloud and State of Kansas, have invented a new and useful Hame-Tug Attachment, of which the following is a specification.

The invention relates to improvements in snap-hook attachment for hame-tugs.

The object of the present invention is to provide a simple and inexpensive snap-hook attachment for hame-tugs capable of readily yielding to the motion of an animal and affording ready means for attachment to a hame.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a snap-hook attachment for hame-tugs constructed in accordance with this invention. Fig. 2 is a similar view of the attachment. Fig. 3 is a longitudinal sectional view of the same. Fig. 4 is a transverse section through the pivot of the snap-hook.

Referring to the accompanying drawings, 1 designates a snap-hook consisting of a shank provided at one end with a hook 2 and at the other end with an eye 3, adapted for the reception of a transverse rivet 4 by means of which the snap-hook is secured to a clip-plate 5. The shank of the snap-hook is provided with a longitudinal recess extending from the eye 3 to the hook 2 and having arranged therein a pivoted tongue 6, with a perforation 7 at one end to receive the transverse rivet 4 and provided at its other end with a curved projection 8, which engages the hook 2 and completes the same and forms an eye to retain the staple of a hame, and the said tongue 6 is held in engagement with the hook by a spring 9, secured to the tongue and arranged within the recess and adapted to be depressed to open the mouth of the hook.

The clip-plate which secures the snap-hook to a tug 10 consists of a rectangular plate provided at its sides with flanges 11, which project beyond the ends of the plates to form ears 12 and 13. The ears 12 are provided with perforations, through which passes the rivet 4, and the ears 13 are connected by a transverse bar 14, to which the tug 10 is secured. The side flanges 11 of the clip-plate are provided with an integral centrally-arranged keeper 15, which retains the free end of a trace-strap when the latter is secured to the tug.

It will be seen that the snap-hook attachment for hame-tugs is simple and inexpensive in construction, adapted to be readily secured to a tug and a hame, and is capable of readily yielding to the motion of an animal.

By the improvement hereinbefore set forth the snap-hook or the clip may be detached from each other and from the tug when they have become worn or broken and others be readily substituted in place of the same. As the clip is of such form as not to require a particular arrangement of the end of the tug, it can be applied to any tug now in use, and any form of snap-hook may be employed therewith and connected thereto in the manner hereinbefore set forth. By this means a great advantage is gained, in that if part of the attachment breaks or becomes worn and the other still remains in condition for usage it is not necessary to dispense with the use of the entire device, but only that part thereof which is unfitted for further use.

What I claim is—

The herein-described hame-tug attachment, consisting of a clip-plate of rectangular form and having a flat bottom, open ends, and side flanges 11 at right angles to said bottom plate and extending beyond the plate at the opposite ends thereof to form ears 12 and 13, the ears 13 being connected by a transverse bar 14, to which the tug is attached, and a centrally-arranged keeper 15, integrally formed with said side flanges and projecting transversely over and parallel with the bottom plate above the line of the said side flanges, and a snap-hook formed with bearings through the ends of its shank and tongue and removably secured to ears 12 by a removable pintle, the openings or spaces at the ends of the bottom plate between the ears 12 and 13 of said clip-

plate allowing the snap-hook and end of tug secured to said clip-plate between said ears to have free yielding movement, and thereby rendered adjustable without wear on said parts, the said parts being adapted to be independently constructed and attached and detached, as set forth.

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

BENJAMIN LAKE.

Witnesses:
C. C. LEWIS,
C. A. BETOURNAY.