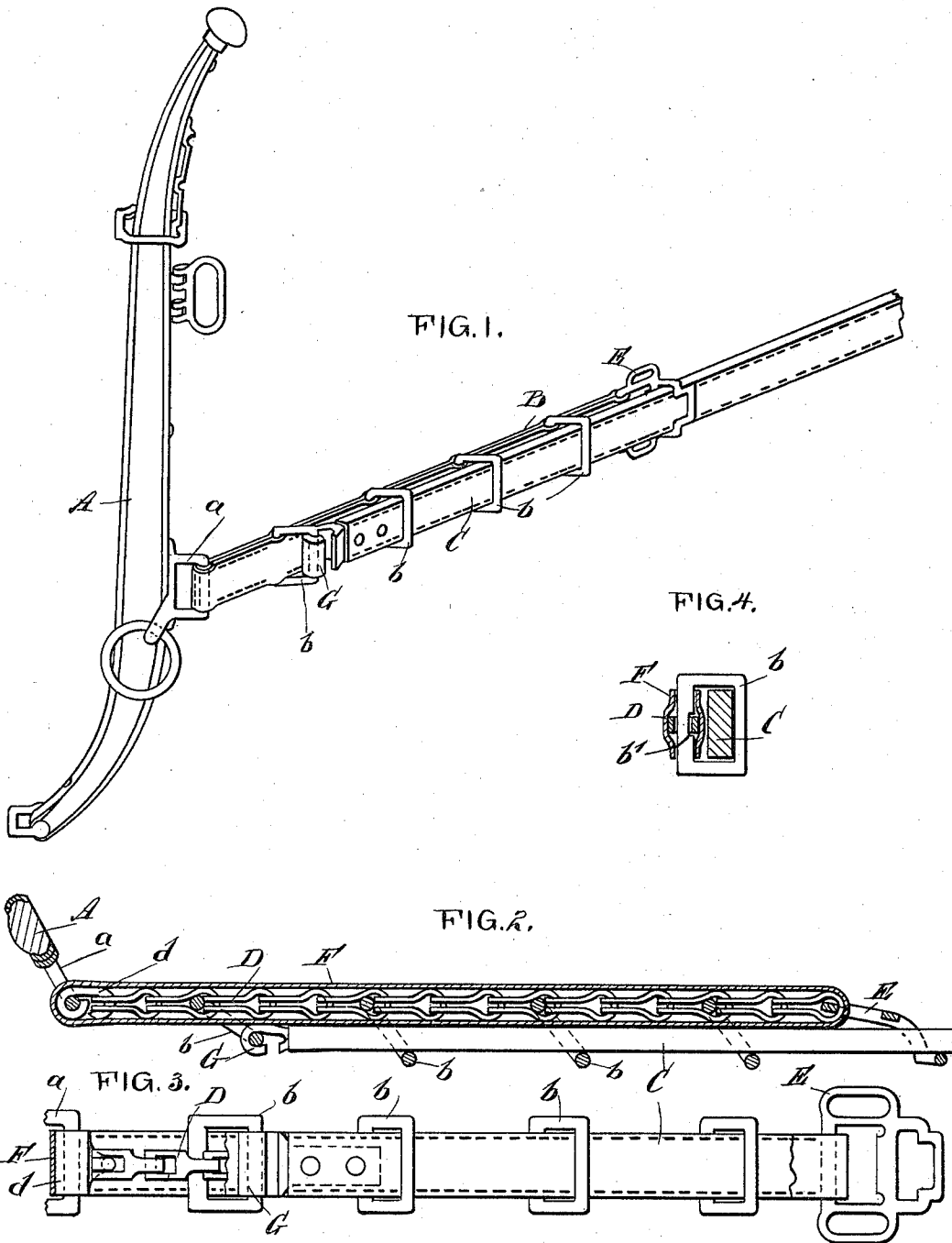


(No Model.)

W. F. DALE.
HAME TUG.

No. 586,015.

Patented July 6, 1897.



WITNESSES:

Donn Twitchell
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WILLIAM FREDRICK DALE, OF BOWMANVILLE, CANADA.

HAME-TUG.

SPECIFICATION forming part of Letters Patent No. 586,015, dated July 6, 1897.

Application filed April 13, 1897. Serial No. 631,999. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM FREDRICK DALE, of Bowmanville, in the Province of Ontario and Dominion of Canada, have invented a new and Improved Hame-Tug, of which the following is a full, clear, and exact description.

My invention relates to an improved form of hame-tug and means by which the same is attached to the traces.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my invention, showing a hame and one end of a trace. Fig. 2 is a horizontal section taken through the hame-tug. Fig. 3 is a side elevation of the same, and Fig. 4 is a cross-section taken through one of the links to which the traces may be attached.

The object of my invention is to form a hame-tug which shall be stronger than the ordinary tug, cheap in manufacture, and which will permit of considerable adjustment in the fastening of the trace thereto.

The drawings show one of my form of tugs attached to a hame and with the trace in place. The hame A, as in the usual form, is provided with a casting *a*, having a loop adapted to receive the forward end of the hame-tug.

My hame-tug is composed of a steel chain D, the links of which are stamped out of sheet metal. This chain is of a form which may be procured in the open market. It is attached at one end by a link *d* to the loop *a*, which is attached to the hame. At the opposite end it is attached to the casting E, which is of the usual form used for such purposes, and is provided with a loop through which the trace extends and with loops for attachment of the back and belly bands of the harness.

The chain is provided at intervals with a link *b*, which extends to one side and is adapted to receive a hook G upon the forward end of the trace. This hook G is securely attached to the forward end of the trace C and has an opening on the outer side of the trace, so that the link *b* may be inserted therein or removed therefrom.

In the drawings the trace is shown as attached to the forward one of these links. The body of the trace immediately back of the hook passes through the other links, which serve as loops to retain the trace in position. The chain forming the body of the hame is incased in a casing F of leather. This protects the body of the horse from direct contact with the chain and prevents irritation which might be caused thereby.

It is evident that the casing for the hame-tug might be omitted, if desired. To hold the link *b* securely in position, it is provided at *b'* upon the inner bar, or that one which passes through the chain D, with recesses to engage opposite sides of the chain-link and prevent the link *b* from becoming displaced.

The links *b* may be inserted in as many of the links of the chain as desired to form a convenient and easy means of adjusting the position of the trace and hame-tug and also serve as loops to hold the two in place. The chain is also cheap and durable and may be obtained in the open market anywhere.

The chain used is of a form of link which may be taken apart link by link, so that the attaching-links *b* may be readily placed wherever desired.

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

1. A hame-tug, comprising a chain attached to the hame, a leather casing for the same, and a plurality of extra links passing through links of the chain and through the casing surrounding it, adapted to receive the trace attachment and act as holders for the trace-body, substantially as described.

2. A hame-tug, comprising a chain attached to the hame, a leather casing for the same, and a plurality of extra links passing through links of the chain and through the casing surrounding it and adapted to receive the trace attachment and act as holders for the trace-body, said extra links having enlarged shoulders formed on the inner side bar thereof and engaging the edges of the chain-links, substantially as described.

WILLIAM FREDRICK DALE.

Witnesses:

FRANK H. MASON,
R. RUSSELL LOSCOMBE.