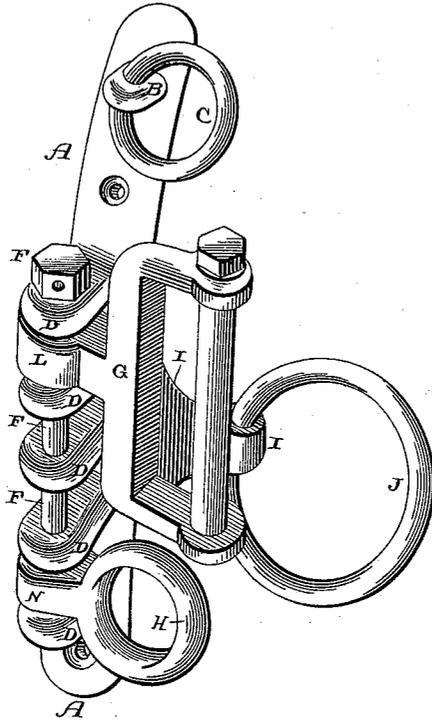


(No Model.)

W. B. ABRAMS.
HAME ATTACHMENT.

No. 450,550.

Patented Apr. 14, 1891.



Witnesses:

E. P. Bell,
A. Brockitt,

Inventor:

W. B. Abrams
per
Lehmann & Patterson, attys.

UNITED STATES PATENT OFFICE.

WILLIAM B. ABRAMS, OF WELLS, NEW YORK.

HAME ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 450,550, dated April 14, 1891.

Application filed June 28, 1890. Serial No. 357,125. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. ABRAMS, of Wells, in the county of Hamilton and State of New York, have invented certain new and useful Improvements in Hame Attachments; 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 an improvement in hame attachments; and it consists in a plate or casting which is to be attached directly to the hame, and which is provided at its upper end with a ring through which the back-strap passes, a series of steps through which a rod is passed and upon which rod a cockeye or other suitable attachment for the trace is placed and a flange upon its front edge, through which a breast-ring is passed, as will be more fully described hereinafter.

The object of my invention is to provide a draft attachment for draft-hames which is cheap in construction, durable, and can be applied to hames of any kind.

The accompanying drawing represents a perspective of a hame attachment which embodies my invention.

A represents a plate of suitable width and length, which is curved slightly, so as to correspond to the shape of the hame, and which is made either flat or convex on its inner side, where it comes in contact with the hame. Through this plate are made any desired number of holes, through which screws or fastening-bolts are passed. At the upper end of this plate is formed an eye B, in which is placed a small ring C, to receive the back-strap. Below this ring C are formed any desired number of perforated steps D, through which the headed bolt F, which is screw-threaded at its lower end, passes. Through the head of the bolt is made a small opening, in which a pin, nail, or other device may be placed for the purpose of unscrewing the lower end of the bolt from the lower step, so

that the bolt can be removed when the cock-eye G or other attachment H is to be adjusted from one step to the other, according to the height of the draft desired. The head of the bolt being made angular, it can be removed by a wrench equally as well, if so desired.

The cockeye G is different from the ordinary cockeye, in that it is provided with a projection L, through which a perforation is made in a line with the bolt, instead of at right angles to the bolt, and is to be used with bolt-hames; but any other form of attachment can be used, if so desired. Extending from the front edge of the plate A is the flange I, in which is placed the breast-ring J.

This attachment can be readily used with chain-tugs, and the steps are so made that the link can be adjusted from one to the other after the rod has been removed.

The ring H is to be used with clip-tugs, as it forms a joint for the traces which will allow them an easy movement up or down. This ring, as shown, has a projection N formed upon it similar to the projection formed upon the cockeye, and through which a perforation is made at right angles to the opening in the ring.

Having thus described my invention, I claim—

A hame attachment consisting of a longitudinal plate, which is adapted to be applied directly to the hame, having a series of laterally-extending perforated steps between its ends, an eye at its upper end carrying a ring for the back-strap, the bolt which passes through the steps, a flange I, extending from the plate on the opposite side and horizontally opposite the trace attachment and carrying a ring, and a trace attachment secured between the steps by the bolt, substantially as shown and described.

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

WILLIAM B. ABRAMS.

Witnesses:

HARRY L. PAGE,
AZARIAH CHAMBERLAIN.