

J. H. DAVIS.
 HAME ATTACHMENT.
 APPLICATION FILED NOV. 17, 1910.

1,004,750.

Patented Oct. 3, 1911.

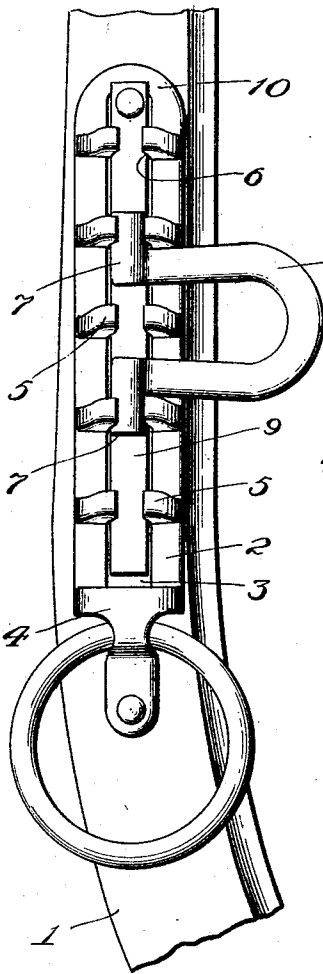


Fig. 1.

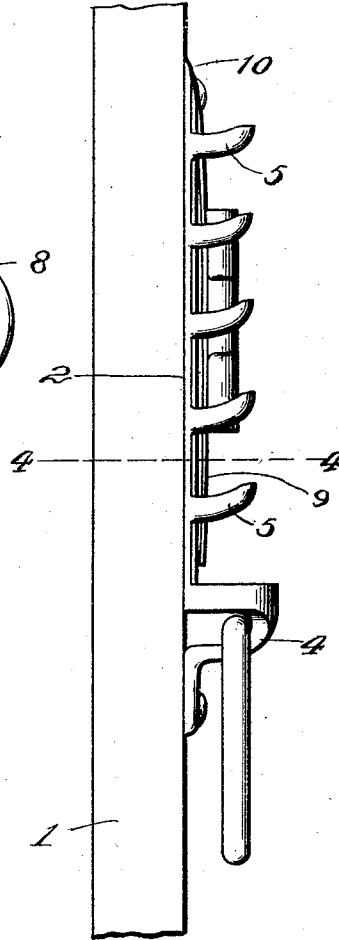


Fig. 2.

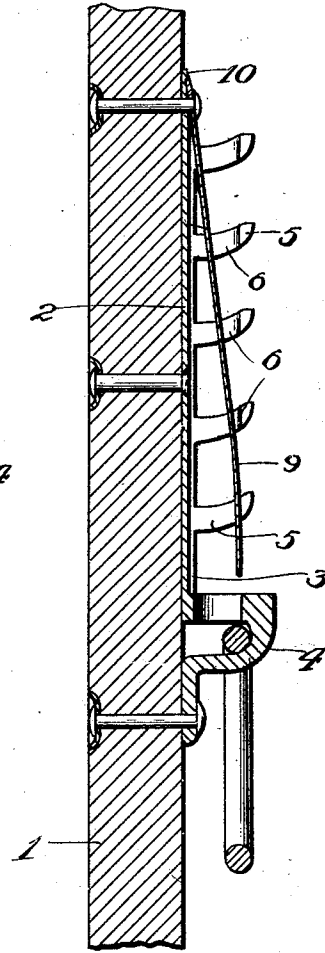


Fig. 3.

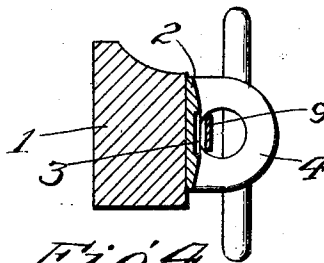


Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

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HAME ATTACHMENT.

1,004,750.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES H. DAVIS, citizen of the United States, residing at New Albany, in the county of Floyd and State of Indiana, have invented certain new and useful Improvements in Hame Attachments, of which the following is a specification.

This invention comprehends certain new and useful improvements in harness attachments or devices, and relates particularly to an attachment for hames designed to hold the tug piece.

The invention has for its primary object a simple and efficient construction of hame attachment which may be used with equal facility on either the right or left hame, while at the same time admitting of the vertical adjustment of the tug piece without necessitating the removal thereof from the hame attachment of the detachment of the hames from the collar.

The invention also has for its object a device of this character which will not only provide means whereby the tug of the trace may be raised or lowered to suit the height of different horses, but in which the parts are so arranged that they may be readily clamped in place and detached for cleaning or for similar purposes, and which will be applicable for use with tug pieces of different types, such tug pieces being detachably connected to the attachment and yet securely held thereto when in position and providing means whereby one may be easily detached and replaced by another, should occasion require, it being of course understood that heavy and light tug pieces are required according to the particular task to which the horse is to be put. And the invention also has for its object a hame attachment of this type provided with means to effectually prevent the hook or clip from accidentally changing its location after having once been adjusted to the desired position.

With these and other objects in view as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements and combinations of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention reference is to be had to the following description and accompanying drawing, in which:

Figure 1 is a face view of a portion of a

hame with my attachment secured thereto; Fig. 2 is a side edge view thereof; Fig. 3 is a longitudinal vertical section; and, Fig. 4 is a horizontal sectional view on the line 4—4 of Fig. 2.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

Referring to the drawing, the numeral 1 designates a portion of the hame, and 2 designates the base plate of my improved attachment, said base plate being secured to the hame by rivets or in any other desired way. The base plate 2 is formed in its outer face with a longitudinal groove 3 which extends along its median line from its upper end to and through the upper end of the back ring keeper 4. The plate 2 is also formed on opposite sides of the groove 3 and bordering upon the same, with two longitudinally extending series of hooked fingers 5 which are arranged in transversely extending pairs, as shown, and which project outwardly and curve upwardly from the front face of the base plate. The fingers 5 are correspondingly recessed, as indicated at 6, whereby to admit of the insertion of the bolt or shank ends 7 of the tug piece or clip 8.

From the foregoing description in connection with the accompanying drawing the operation of my improved hame attachment will be apparent. In the practical use of the device the bolt or shank ends of the tug piece are inserted downwardly into the upper end of the hame attachment, the tug piece being extended perpendicularly from the base plate and passed downwardly between the adjoining ends of the hooked fingers 5 until the desired point or elevation has been reached, whereupon the tug piece is tilted to the right or the left according to the hame to which the attachment is secured and rests upon the subjacent finger. It will be noted that owing to the upwardly projecting position of the fingers 5 said fingers will have a tendency to prevent the tug piece from swinging outwardly to a position in perpendicular relation to the base plate where the tug piece may have a tendency to move longitudinally out of its required position, and the two sets of fingers not only render the device more secure, but make it equally applicable for attachment to the left or right side of the collar or hame.

In order to further assist in preventing the tug piece or clip from accidentally shifting its position, I have provided a leaf spring 9 which is adapted to extend along the groove 3 between the hooked fingers 5 so as to press out upon the tug piece, as clearly illustrated in the drawing. Preferably, the upper end of the base plate 2 is beveled in line with the groove 3, as indicated at 10 and the upper end of the spring 9 is secured to this beveled portion as by one of the rivets which serves to secure the base plate to the hame, whereby the remaining portion of the spring will have a tendency to press outwardly upon the tug piece inserted in between the fingers. The hooked fingers are so proportioned relative to the shank ends of the tug piece designed for use in connection with the attachment, that when two hooks of the same set are engaging the tug piece, the lower edge of the body of the tug piece will engage the upper edge of the adjoining hook and the upper edge of the tug piece will engage the lower edge of its adjoining hook, thereby preventing the tug piece from moving either upwardly or downwardly, as clearly illustrated in Fig. 1, this, in connection with the upwardly curving feature of the hooks, tending to prevent all rattling of the tug piece and its accidental displacement, while at the same time the tug

piece may be easily swung around when desired, so as to project straight out from the hame preparatory to its being adjusted either up or down.

Having thus described the invention, what is claimed is:

As a new article of manufacture, a hame attachment embodying a base plate formed with two sets of hooked fingers arranged in transverse pairs projecting from the front face of the base plate with their ends in spaced relation to each other and curving upwardly, in combination with a tug piece adapted to be slipped down between said fingers and to be swung over between fingers of the same set, the tug piece and fingers being so proportioned that when the former is swung over between the fingers, the lower edge of the body portion of the tug piece will rest against the upper face of the adjoining finger, while the upper edge of the body portion of the tug piece will contact with the lower edge of its adjoining finger.

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

JAMES H. DAVIS. [L. S.]

Witnesses:

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