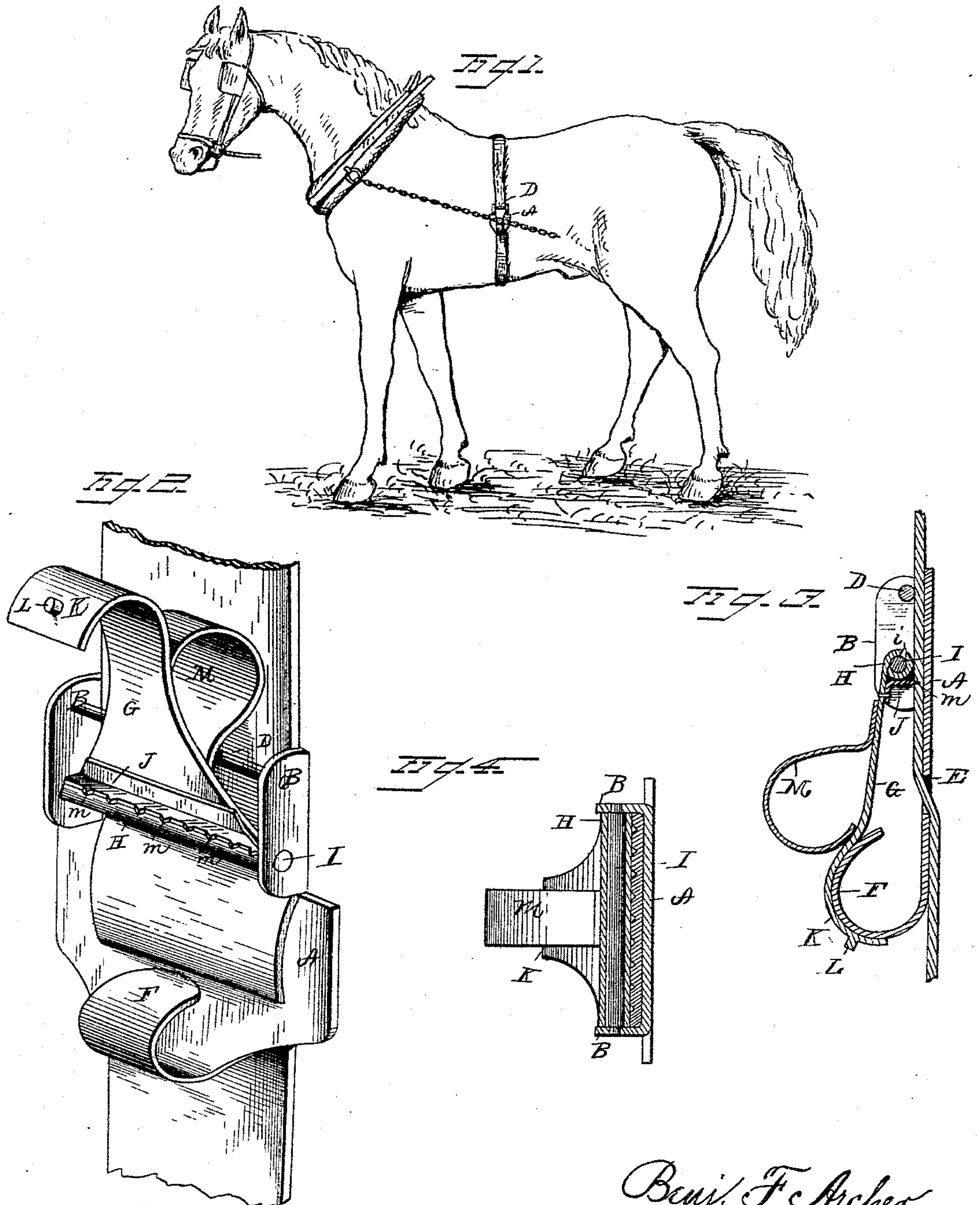


(No Model.)

B. F. ARCHER.
BACK BAND BUCKLE.

No. 300,430.

Patented June 17, 1884.



WITNESSES
F. L. O'Rand
E. J. Siggers.

Benj. F. Archer
INVENTOR

by C. A. Snow & Co.

Attorneys

UNITED STATES PATENT OFFICE.

BENJAMIN FRANKLIN ARCHER, OF MARIETTA, MISSISSIPPI.

BACK-BAND BUCKLE.

SPECIFICATION forming part of Letters Patent No. 300,430, dated June 17, 1884.

Application filed March 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. ARCHER, a citizen of the United States, residing at Marietta, in the county of Prentiss and State of Mississippi, have invented a new and useful Back-Band Buckle, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to back-band buckles or hooks; and it has for its object to provide a simple, convenient, and adjustable fastening for connecting the back-band to the chain of the plow-harness, whereby the back-band will be protected from the perspiration of the animal, and when the buckle is once adjusted it will remain so, and thus there will be no danger of the parts separating while in use.

With these and other objects in view the said invention consists in certain details of construction and combination of parts, as hereinafter set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side view illustrating my invention as applied to the harness. Fig. 2 is a detail perspective view of the back-band with the buckle secured in position thereon, the wedging-frame being thrown back. Fig. 3 is a longitudinal sectional view of the same with the wedging-frame dropped down into position. Fig. 4 is a transverse sectional view.

Like letters of reference are used to indicate corresponding parts in the several figures.

Referring to the drawings, it will be seen that I have shown my invention as applied to what is termed a "plow-harness," or that which is used with horses in plowing; but it will be apparent that I may use my improved back-band fastener on other classes of harness, as desired.

In said drawings, A designates the buckle-frame, formed of sheet metal of any desired thickness, flanges B B projecting up from the sides of the base C at the upper portion of the frame, a cross-bar, D, extending across the base and connecting the flanges. A transverse slot, E, is formed in the base for the passage of the back-band, the lower end of the base curving outward and then inward, so as to form a hook, F, for the purpose which will be presently described.

G designates a wedging-frame, formed at its rear end with a hollow cylinder, H, having one or more teeth, *i*, projecting from its outer face, a pivot-bolt, I, passing through the cylinder and serving to pivot the wedging-frame between the flanges B. A supplemental plate, J, is secured to the under side of the wedging-frame forward of the cylinder H, and is provided with notches or teeth *m*, to engage with the back-band in the manner hereinafter set forth. The wedging-frame tapers or decreases in size from its point of attachment to the flanges toward its front end, where it extends downwardly so as to form a hook, K, which is adapted to fit over the hook F, a projection, L, being formed with the hook K, for the purpose of receiving the thumb in adjusting the buckle. A ring, M, is secured to the outer face of the wedging frame at its front end, the plow-line passing through said ring, and is thus prevented from chafing or rubbing the animal.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the annexed drawings. The back-band is passed through the buckle-frame, beneath the cross-bar D and cylinder H, and through the transverse slot E, the wedging-frame being in the position shown in Fig. 2. When the back-band has been adjusted to the proper degree, the wedging-frame is forced downward into the position shown in Fig. 3, the hook K fitting over the hook F, and thus retaining the parts in position. When it is desired to raise the wedging-frame, the thumb is applied to the projection L, so as to cause the rings F K to separate, the wedging-frame being then raised to the position shown in Fig. 2, and can be adjusted again, as desired. The two teeth *i* on the lower face of the cylinder H serve to prevent the wedging-frame from slipping as the wedging-frame is being tightened, while the notched plate J acts to hold the band after the parts have been properly fitted together for use, as shown in Fig. 3.

It will be seen that the projection L affords a ready means by which the buckle may be separated, and thus the adjustment of the back-band may be effected in a short time.

It will be seen that by means of the con-

struction shown the back-band is retained in place away from the animal, and will not be injured by the perspiration, as is often the case, while the plow line or chain is also away from the animal, and thus prevented from rubbing or chafing him.

The buckle, when once adjusted, will remain in position without any danger of unhooking, and may be readily separated, as desired. It is simple, durable, convenient, and efficient, and will prove of utility in use.

Having described my invention, I claim—

1. The combination, with the back-band, of the buckle-frame provided with a hook at its end, and a wedging-frame journaled in the said buckle-frame and having a corresponding hook, arranged and adapted to operate for the purpose set forth.

2. The herein-described buckle-frame, comprising the base formed with an upwardly-projecting hook at one end and a wedging-frame pivoted at its other end, and having a hook to fit over the hook of the base, as set forth.

3. The herein-described buckle, comprising the base having a hook at one end, flanges at its other end, a cross-bar extending across the base and fitted in the flanges, and a wedging-frame pivoted in the flanges and provided with a hook to fit over the hook of the base, as set forth.

4. The herein-described buckle, comprising the base formed with a hook at one end of the wedging-frame, pivoted at the other end, and provided with a hook to fit over the hook of the base, and a projection formed in the hook of the wedging-frame and adapted to facilitate the separation of the parts, as set forth.

5. The combination, with the back-band, of the buckle comprising the base, formed with a

hook at one end and a transverse slot at or near the center, and a wedging-frame pivoted at the other end and formed with a hook to fit over the hook of the base, and provided with a projection to facilitate the separation of the parts, as set forth.

6. The herein-described buckle, comprising the base having a hook at one end, flanges projecting up from said base, the wedging-frame pivoted in said flanges and provided with a supplemental notched plate to engage with the material, a hook at the end of the wedging-frame to fit over the hook of the base, and a projection to separate the parts, as set forth.

7. The combination, with the back-band, of the buckle provided with a hook at one end, and a wedging-frame journaled at the other end of the buckle, and having a corresponding hook to fit over the hook of the base, said wedging-frame engaging with the back-band, and provided with a ring secured to its outer face, for the purpose set forth.

8. The combination, with the back-band, of the buckle comprising the base having a hook at one end, flanges at the other end, and a cross-bar connecting the flanges, the wedging-frame provided with a supplemental notched plate to engage the band, and pivoted in the flanges, the end of said wedging-frame terminating in a hook adapted to fit over the hook formed on the base, and a ring secured to the wedging-frame, for the purpose set forth.

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

BENJAMIN FRANKLIN ARCHER.

Witnesses:

P. M. WALKER,
P. M. SAVERY.