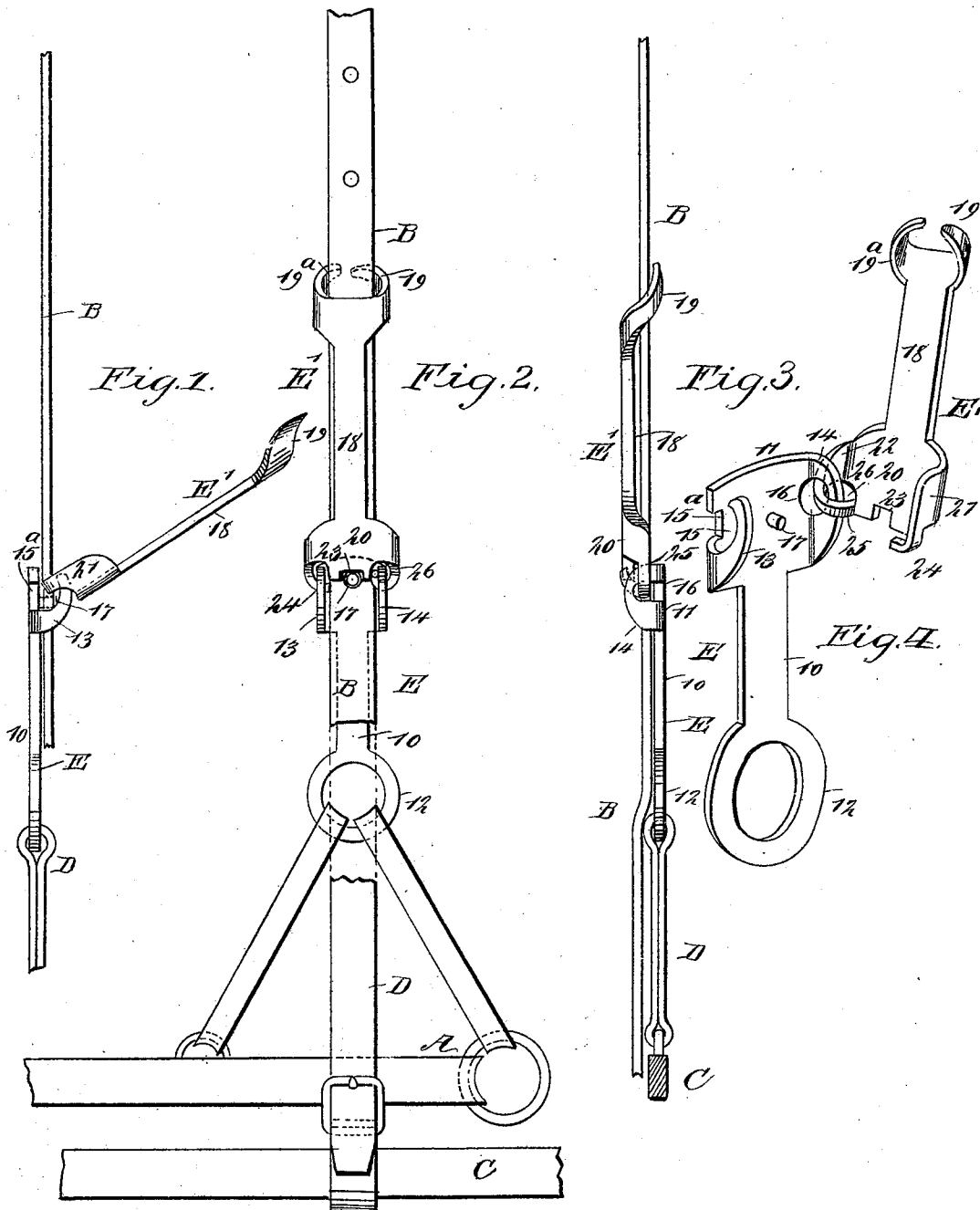


(No Model.)

A. MORRIS.
BUCKLE.

No. 518,113.

Patented Apr. 10, 1894.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ARTHUR MORRIS, OF ROCKEFELLER, ILLINOIS.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 518,113, dated April 10, 1894.

Application filed August 25, 1893. Serial No. 484,009. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR MORRIS, of Rockefeller, in the county of Lake and State of Illinois, have invented a new and Improved Buckle, of which the following is a full, clear, and exact description.

My invention relates to an improvement in buckles, and it has for its object to provide a buckle especially adapted for use in connection with harness for farm horses, the buckle being adapted particularly for attaching the breeching of the harness to the other portions thereof, in such manner that the breeching may be expeditiously and conveniently removed from the portions of the harness with which it is connected, when occasion may demand.

A further object of the invention is to provide a buckle that may be removed with the breeching without removing the trace or trace loop. The buckle will also take the place of the ring strap, sheath and buckle common to farm harness, thereby lessening the work of harnessing.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

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

Figure 1 is an edge view of portions of a harness, namely, a portion of the breeching and back strap, illustrating the improved buckle applied, connecting the two straps, the buckle being shown in its open position. Fig. 2 is a side elevation of the breeching and back strap, and likewise a side elevation of the improved buckle, it being illustrated in its locking position. Fig. 3 is an edge view of the back strap and breeching, and likewise an edge view of the improved buckle in its locked position; and Fig. 4 is a detail perspective view of the buckle in its open or unlocked position.

The portions of the harness shown in connection with the buckle consist of the breeching A, the back strap B, with which the breeching is to be connected, the trace C, and lacing strap D. The buckle is made in two

sections, a bottom section E and an upper section E'. The bottom comprises a shank 10, a head 11 at one end of the shank, which is wider than the shank, extending beyond both side edges of the latter, and an eye or loop 12, formed at the opposite end of the shank.

The head 11 is provided at each end with a flange, said flanges being designated respectively as 13 and 14. The flanges extend upward at a right angle to the body of the head, and their upper edges are preferably curved or cylindrical. The flange 13 is provided with a recess 15, which extends through what may be termed the upper edge of the flange, as shown best in Fig. 4, the body of the recess being much wider than its mouth, and the recess may be made quite wide without making the flange 13 unnecessarily large, by extending the recess into the body of the head, the body extension being designated as 15^a. In the opposite flange 14 an aperture 16, is produced, and the aperture is formed partially in the flange and partially in the body plate. The lower section of the buckle is completed by locating a stud 17 in about the central portion of the head upon its outer face. The upper section E', comprises a shank 18, an open loop 19 at the upper end of the shank, and a head 20 at the lower end. The open loop 19, is made by projecting ears 19^a from opposite sides of the shank upwardly therefrom, and inwardly and in direction of one another, and in this manner the ears are somewhat twisted, as shown in Fig. 3, and the bottom of the loop is above the plane of the upper edge of the shank.

The head 20, is provided at one side with a flange 21, and at the opposite side with a flange 22, the flanges extending at a right angle from the inner or back face of the head. The head is preferably provided in its lower edge with a recess 23, adapted to form a clearance for the stud 17 in the under section of the buckle should the stud extend upward close to the head of the upper section when the two sections are in their locked position.

The flange 21, is provided with an angular arm 24, made integral with it, while the opposite flange is provided with a tongue extension 25, and a recess 26, is made in the head, facing the extension. The tongue extension 25 is passed through the aperture 16 in the

head of the lower section E, and is then bent upon itself to an engagement with the side of the head to which it belongs, as shown best in Fig. 4, and in this manner a hinged connection is effected between the head members of the upper and lower buckle sections.

In order to lock the two sections of the buckle one in engagement with the other, the upper section E', is placed at a decided angle to the lower section, as shown in Fig. 1, and this position of the upper section will bring the angular tongue 24 of its head opposite the mouth of the recess 15 in the head of the lower section, and after the tongue 24 of the upper section is placed in the recess of the lower section, the upper section is carried down to a parallel position with the under section, as shown in Fig. 3, and the sections of the buckle will then have a hinged connection with one another at each side.

In the drawings the member E of the buckle is shown as attached to the breeching strap, and when connecting the back strap with the breeching strap, the back strap is bent upon edge until it has entered into the loop 19 of the upper section of the buckle; it is then passed over the upper face of the lower section, the upper section of the buckle being in its open position, until the stud 17 enters one of the eyelet holes in the back strap; thereupon, the two buckle sections are placed in locking position. The back strap may be readily disconnected from the breeching strap by removing the back strap from the loop 19, and opening the buckle sections.

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

1. A buckle, comprising two hinged sec-

tions, one section being provided with a keeper at its free end and the other with an eye at its free end and with a stud at its hinged end for engaging and holding a strap, substantially as described.

2. A buckle for the purpose described, constructed in two sections, the upper section of one having a hinged connection with one side of the lower portion of the other, the two sections being adapted to fold one over the other, and one section being provided with a keeper and the other with a latch to enter the keeper, the under section being also provided with a stud at its hinged end and an eye at the opposite end, the upper section having an open loop formed opposite its hinged end, as and for the purpose set forth.

3. In a buckle, the combination, with a section adapted as a lower section, the same consisting of a shank having an eye formed at one end and a head at the opposite end, the head being provided with flanges at its ends, one flange having a recess formed therein, forming a keeper, and the other being provided with an aperture, of a second section adapted as an upper section, the same consisting of a shank having an open loop formed at one end and a head at the opposite end, the head being provided with end flanges, one of which flanges is passed through the aperture in the flange of the lower section, forming a hinged connection therewith, the opposite flange having formed thereon a latch adapted to enter the keeper of the under section, substantially as shown and described.

ARTHUR MORRIS.

Witnesses:

C. F. WRIGHT,
WIRT F. WRIGHT.