

J. E. CUNNINGHAM & L. E. HAINES.

PLOW CLEVIS.

APPLICATION FILED MAY 20, 1912.

1,052,573.

Patented Feb. 11, 1913.

Fig. 3.

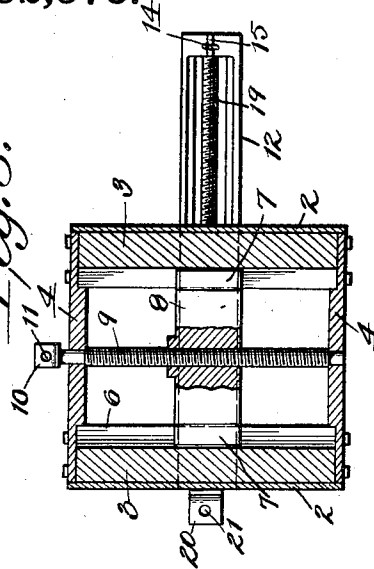


Fig. 4.

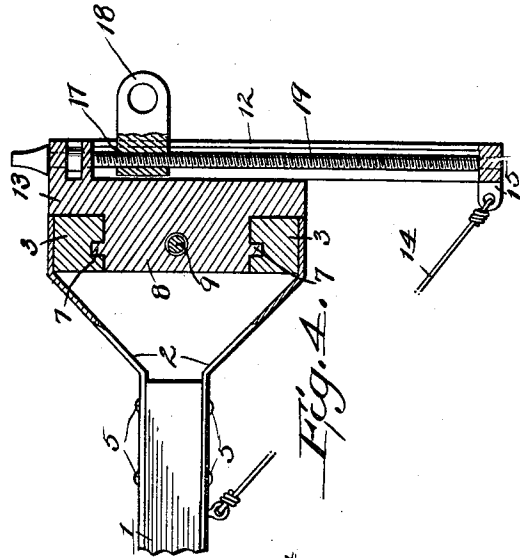


Fig. 1.

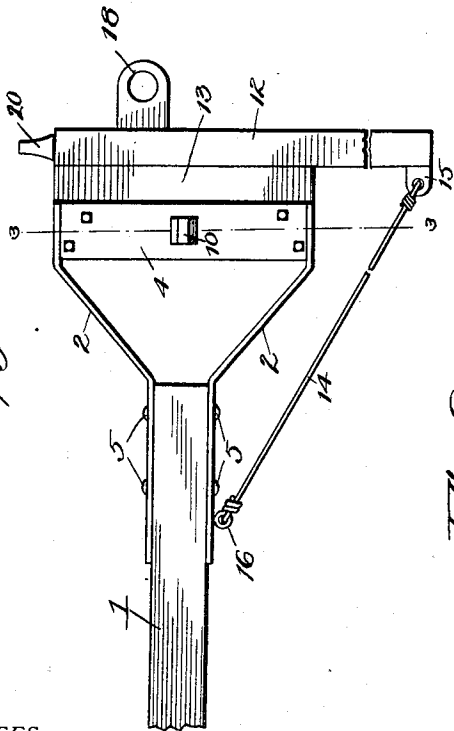
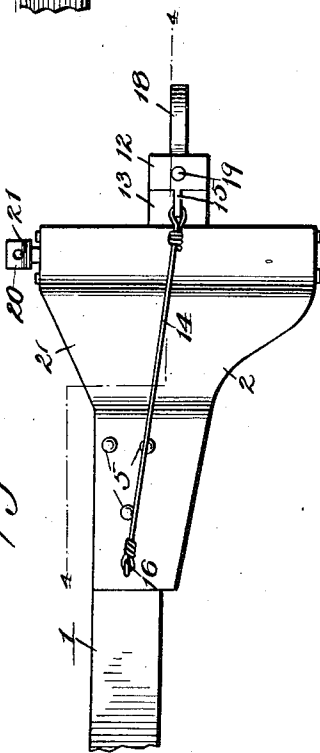


Fig. 2.



WITNESSES

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PLOW-CLEVIS.

1,052,573.

Specification of Letters Patent.

Patented Feb. 11, 1913.

Application filed May 20, 1912. Serial No. 698,557.

To all whom it may concern:

Be it known that we, JOHN E. CUNNINGHAM and LODA E. HAINES, citizens of the United States, residing at Martinsville, in the county of Morgan and State of Indiana, have invented certain new and useful Improvements in Plow-Clevises, of which the following is a specification.

The present invention relates to certain new and useful improvements in clevises, and has for its object to provide a device of this character which embodies novel features of construction whereby the connection with the draft animal can be readily adjusted in either a vertical or horizontal direction, as may be required or desired in order to obtain the best results.

A further object of the invention is to provide a clevis of this character which is comparatively simple and inexpensive in its construction, which can be easily and quickly adjusted as may be desired, and which can be readily substituted for the ordinary clevis.

With these and other objects in view, the invention consists in certain novel combinations and arrangements of the parts as will more fully appear as the description proceeds, the novel features thereof being pointed out in the appended claims.

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 top plan view of an adjustable clevis constructed in accordance with the invention. Fig. 2 is a side elevation of the same. Fig. 3 is a vertical sectional view on the line 3—3 of Fig. 1, 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 drawings by the same reference characters.

Specifically describing the present embodiment of the invention, the numeral 1 designates the plow beam or other member to which the clevis is designed to be attached. A vertical guide frame is arranged at the forward end of the plow beam and connected thereto by means of the side plates 2. The vertical frame is rectangular in shape and comprises the upright side members 3 which have their upper and lower ends connected by the horizontal

members 4. The forward ends of the side plates 2 are secured to the vertical members 3, while the rear ends of the plates converge inwardly toward each other and are tapered in width. The rear ends thereof fitting against opposite sides of the plow beam and being secured thereto in some suitable manner as by means of the fastening members 5. The vertical side members 3 of the frame are provided upon their inner faces with the guide grooves 6 which receive tongues 7 at the end of a slide 8. A threaded rod 9 engages an intermediate portion of the slide 8 and has the ends thereof swiveled in the upper and lower horizontal bars 4 of the frame. The upper extremity of the threaded adjusting rod 9 is formed with a flattened head 10 having an opening therein. It will thus be obvious that by inserting a pin in the opening 11 the adjusting rod 9 can be readily turned for the purpose of raising and lowering the slide 8.

A horizontal guide member 12 is carried by the slide 8 and connected thereto by means of a web 14. One end of the horizontal guide 12 extends laterally beyond the side of the vertical guide frame and is connected by means of a suitable brace 14 to the plow beam 1. One end of the brace 14 engages a rearwardly projecting arm 15 of the horizontal guideway, while the opposite end of the brace engages an eye 16 upon one of the plates 2. The horizontal guide member 12 is slotted and has a slide 17 movably mounted therein, the said slide 17 being formed with a suitable draft connection such as the eye 18. A threaded adjusting rod 19 extends through the slotted portion of the horizontal guide 12 and is swiveled in opposite ends thereof, one extremity of the adjusting rod being formed with a flattened head 20 having a perforation 21 therein. This flattened head provides a convenient means for turning the adjusting rod 19 to move the slide 17 back and forth within the slot. It will thus be obvious that by turning the adjusting rod the draft attaching member 18 can be vertically adjusted as desired, while by turning the horizontal adjusting screw 19, the draft attaching member 18 can be moved laterally as desired.

Having thus described the invention, what we claim as new and desire to secure by Letters Patent, is:—

1. A plow clevis in combination with a

beam, a rectangular frame, a pair of taper-
ing plates having the broadened ends there-
of secured to the opposite sides of the frame,
the opposite ends of said tapering plates be-
5 ing converged so as to receive the beam, said
frame having the vertical sides thereof pro-
vided with a groove on the inner face there-
of, a draft attaching means received within
said grooves, a vertical adjusting rod swiv-
10 eled between the top and bottom of the
frame and having a threaded connection
with the draft attaching means for moving
the same.

2. A device of the character described
15 comprising a rectangular frame, a beam, a
pair of supporting plates having one end
thereof engaging the opposite sides of said
frame, the opposite ends of said plates en-
gaging said beams, the vertical sides of said
20 frame being provided with a groove, a slide
received within said grooves, a slotted hori-

zontal guide carried by said slide and hav-
ing one ending thereof extending beyond
said frame, a draft connecting slide mov- 25
able within the slot of said guide, a horizon-
tally adjusting screw swiveled at the end-
ings of said guide and disposed within the
slot thereof, said screw having a threaded
connection with said draft connecting slide,
an adjusting screw swiveled between the top 30
and bottom of said frame and having a
threaded connection with the first men-
tioned slide for vertically adjusting the
same.

In testimony whereof we affix our signa- 35
tures in presence of two witnesses.

JOHN E. CUNNINGHAM.
LODA E. HAINES.

Witnesses:

GREELEY SMITH,
OSCAR W. ROOKER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."