No. 724,005. PATENTED MAR. 31, 1903.

E. HALL.

PLOW BEAM ATTACHMENT.

APPLICATION FILED SEPT. 17, 1902.

NO MODEL.

Fig. 1.

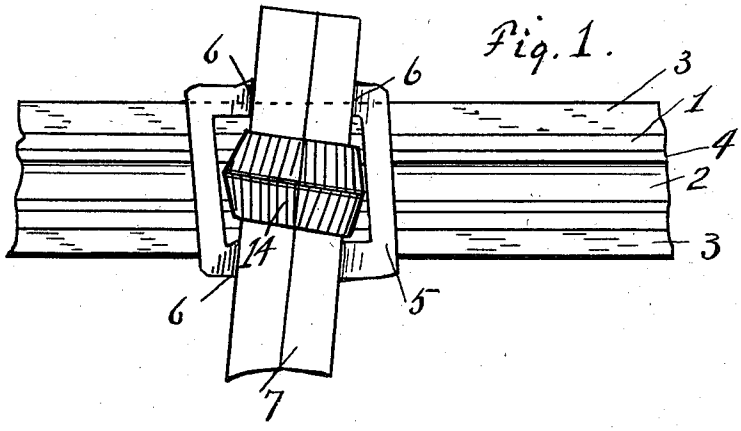


Fig. 2.

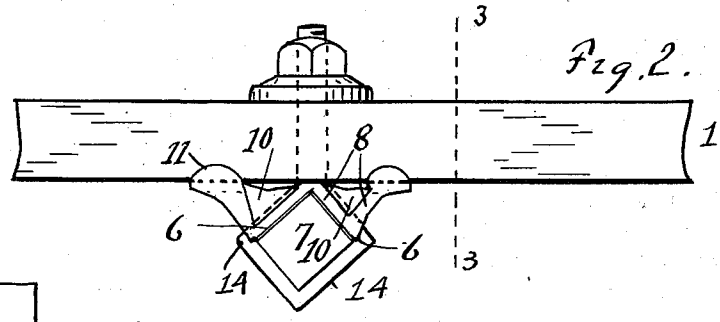


Fig. 3.

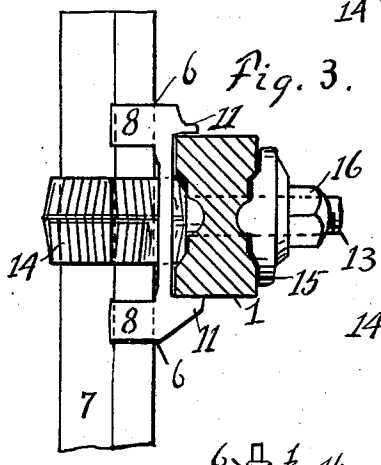


Fig. 4.

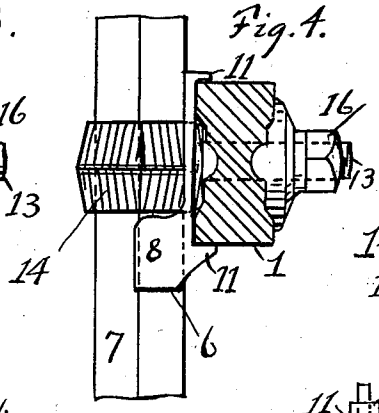
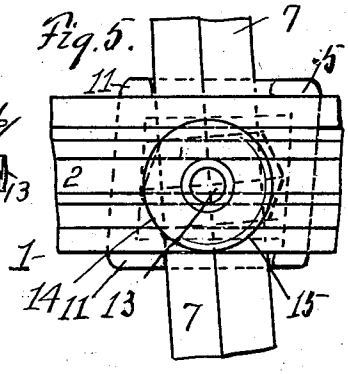


Fig. 5.



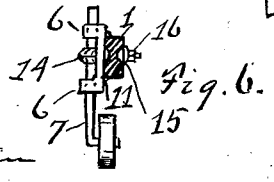


Fig. 6.

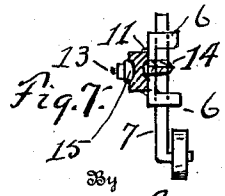


Fig. 7.

Witnesses

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UNITED STATES PATENT OFFICE.

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PLOW-BEAM ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 724,005, dated March 31, 1903.

Application filed September 17, 1902. Serial No. 123,710. (No model.)

To all whom it may concern:

Be it known that I, EDWIN HALL, a resident of Leroy, in the county of Genesee and State of New York, have invented certain new and useful Improvements in Plow-Beam 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 the same.

This invention relates to blow-beam attachments, and has for its object to provide means for adjustably securing a standard for a jointer, wheel, or other like device in a firm and secure manner to a plow-beam.

The invention consists in the construction hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a side view of a part of a plow-beam, showing a standard and means for securing it to the beam. Fig. 2 is a plan view of the same. Fig. 3 is a section on line 3 3 of Fig. 2. Fig. 4 is a similar section showing a modified bearing-frame. Fig. 5 is a view like Fig. 1, but showing the standard and its securing devices on the opposite side of the beam. Figs. 6 and 7 are sectional views, on a smaller scale than the other figures, showing a standard carrying a wheel in one figure, the standard being on one side of the beam and in the other figure being on the opposite side of the beam.

Numeral 1 denotes a plow-beam having grooves 2 and ribs 3, separated by shoulders, 4, this particular construction being unessential.

5 denotes a bearing or bearing-frame having approximately the form of an oblique-angle parallelogram and having angular seats 6 to receive an angular standard 7. The said seats 6 extend outward from the general level of the frame and comprise each the parts 8, joined adjacent the part next to the plow-beam by web 10.

Lips to engage the beam and aid in holding the bearing-frame solidly to the beam are denoted by 11.

7 denotes a standard angular in cross-section, and thereby adapted to fit the seats in the bearing-frame. In the present instance it is illustrated as having a square section, which form is preferred, though not essential.

13 denotes an eyebolt having an eye 14, shaped to fit the angular standard, as shown.

15 is a washer, preferably formed on one side to fit the depressions in the plow-beam, and 16 is a nut to draw the eyebolt and tightly secure the standard in the frame.

The construction provides for holding a jointer, wheel, or other standard in a positively secure manner, but which permits its easy lengthwise adjustment. It also provides that the standard may be fixed to either side of the beam, (see Figs. 6 and 7,) and thus permit a wheel to be supported to run either at the side of the beam, as usual, or immediately under it to roll down loose manure, grass, straw, loose sod, and the like in the path of a jointer, colter, or plowshare.

It will be seen from Figs. 1 and 5 that the inclination of the standard is reversed when changed from one side of the beam to the other, whereby it may either push or trail, according to its adjustment.

In Fig. 4 frame 5 has but one angular bearing 6, formed by parts 8, instead of two bearings, as in Fig. 3. This construction may be used; but the construction with two bearings is preferred.

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

1. In combination with a plow-beam grooved on each side the standard-holding frame having an angular seat inclined to the frame and to the beam and thereby adapted to hold a standard inclined to the length of the beam, the standard fitting the seat, and a standard and frame securing bolt having an angular eye to receive the standard, said frame being applicable to either side of a plow-beam to hold the standard to point forwardly or backwardly according to its adjustment.

2. A plow-beam grooved on each side, a standard-holding frame having an angular seat, arranged to hold a standard inclined to the length of the beam, a standard fitting the seat, and a standard and frame securing bolt having an angular eye to receive the standard, said frame being applicable to either side

of a plow-beam, and a washer having projections to fit the beam-grooves under either adjustment of the frame.

3. The open frame having approximately the form of an oblique-angled parallelogram and having the elevated parts 8 to form seats for a standard, in combination with a standard and with means adapted to secure the standard and frame to a plow-beam, said frame having the lips 11.

4. The open frame having approximately the form of an oblique-angled parallelogram and having the elevated parts 8 to form seats for a standard, in combination with a standard and with means adapted to secure the standard and frame to a plow-beam, said frame having the lips 11, the parts 8 being connected by the webs 10.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

EDWIN HALL.

Witnesses:
W. H. BISHOP,
FRANK T. WOODRUFF.