

(No Model.)

W. L. NELSON.
COMBINED CLEVIS AND ROPE PLACER FOR CARS.

No. 538,341.

Patented Apr. 30, 1895.

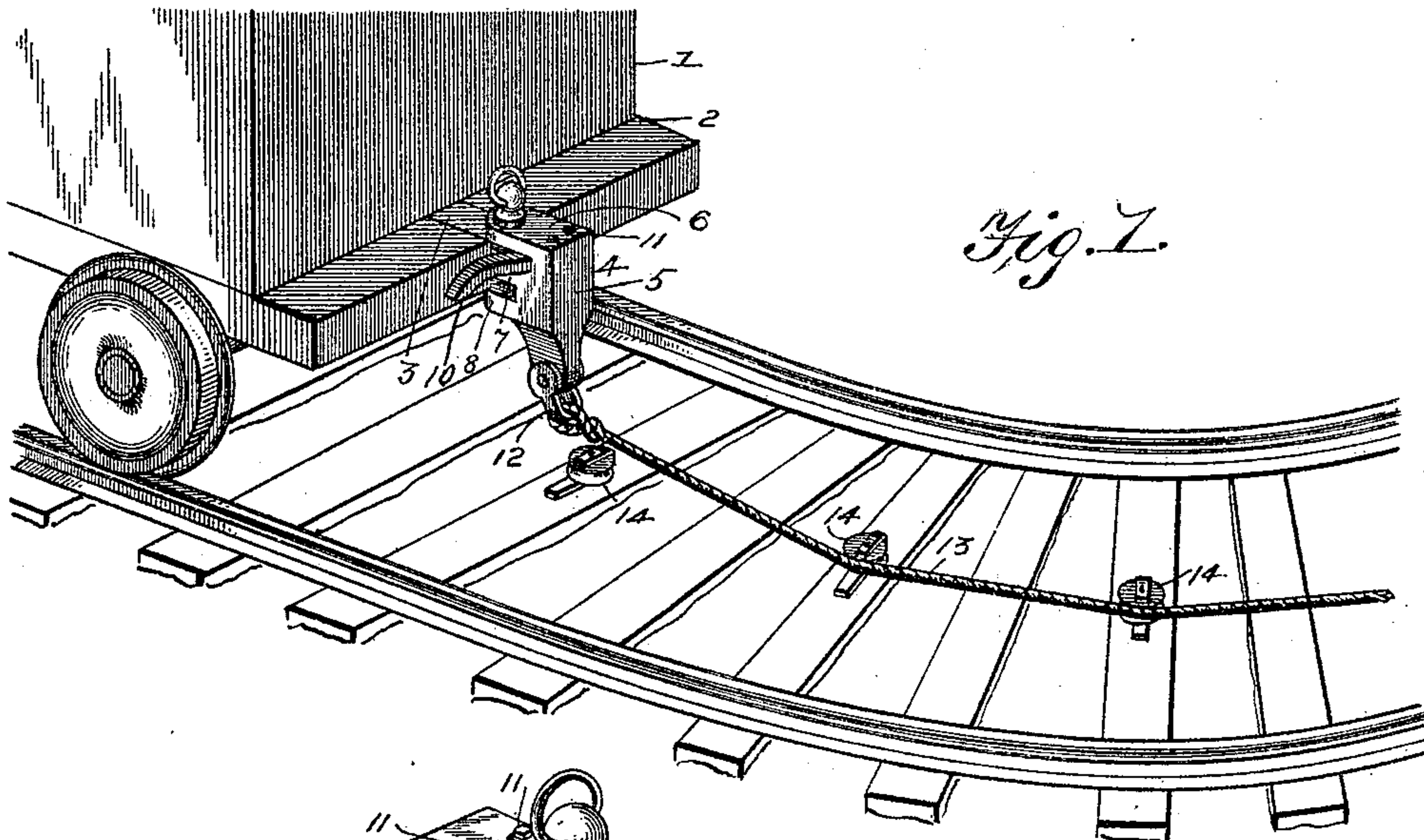


Fig. 1.

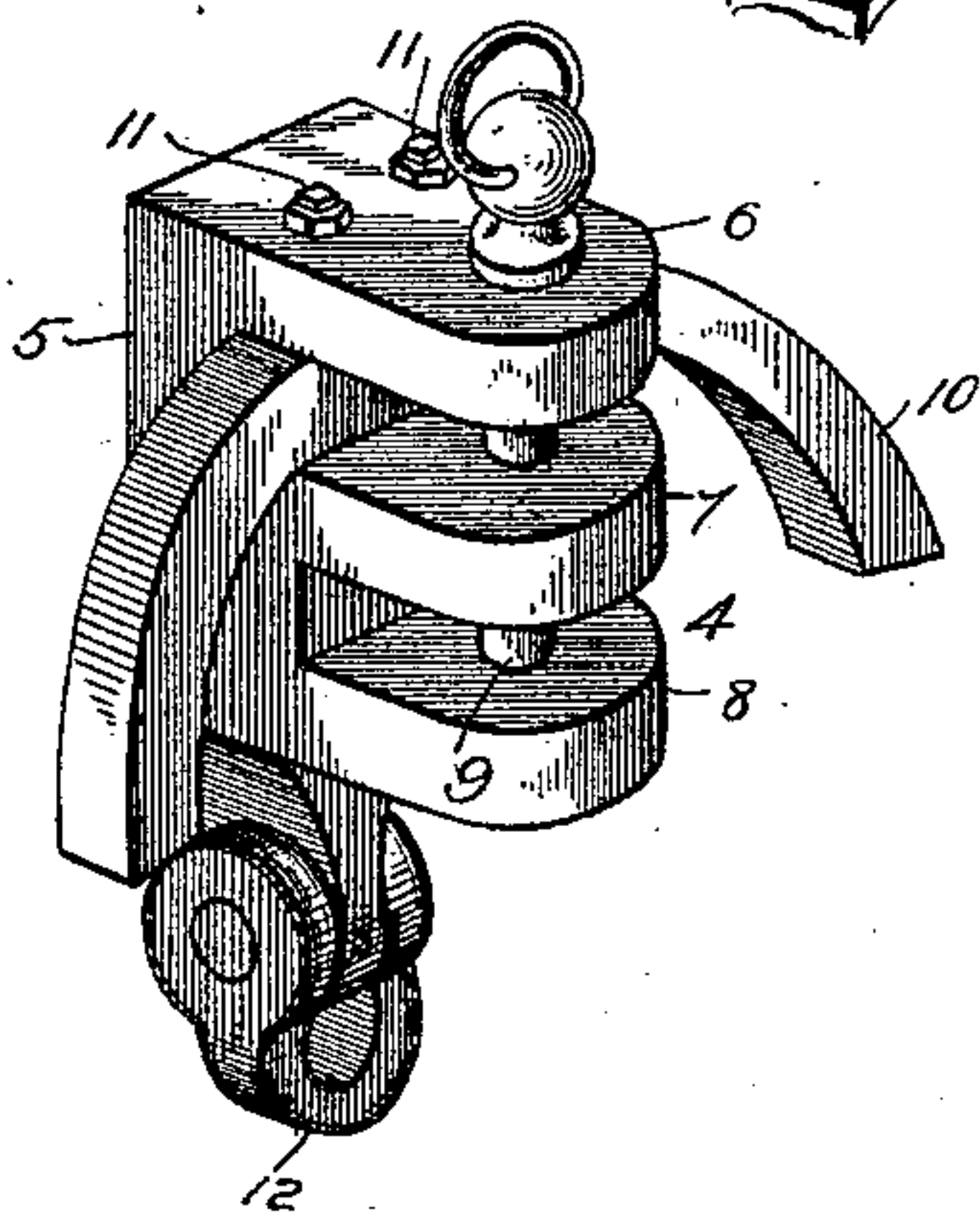


Fig. 2.

Fig. 3.

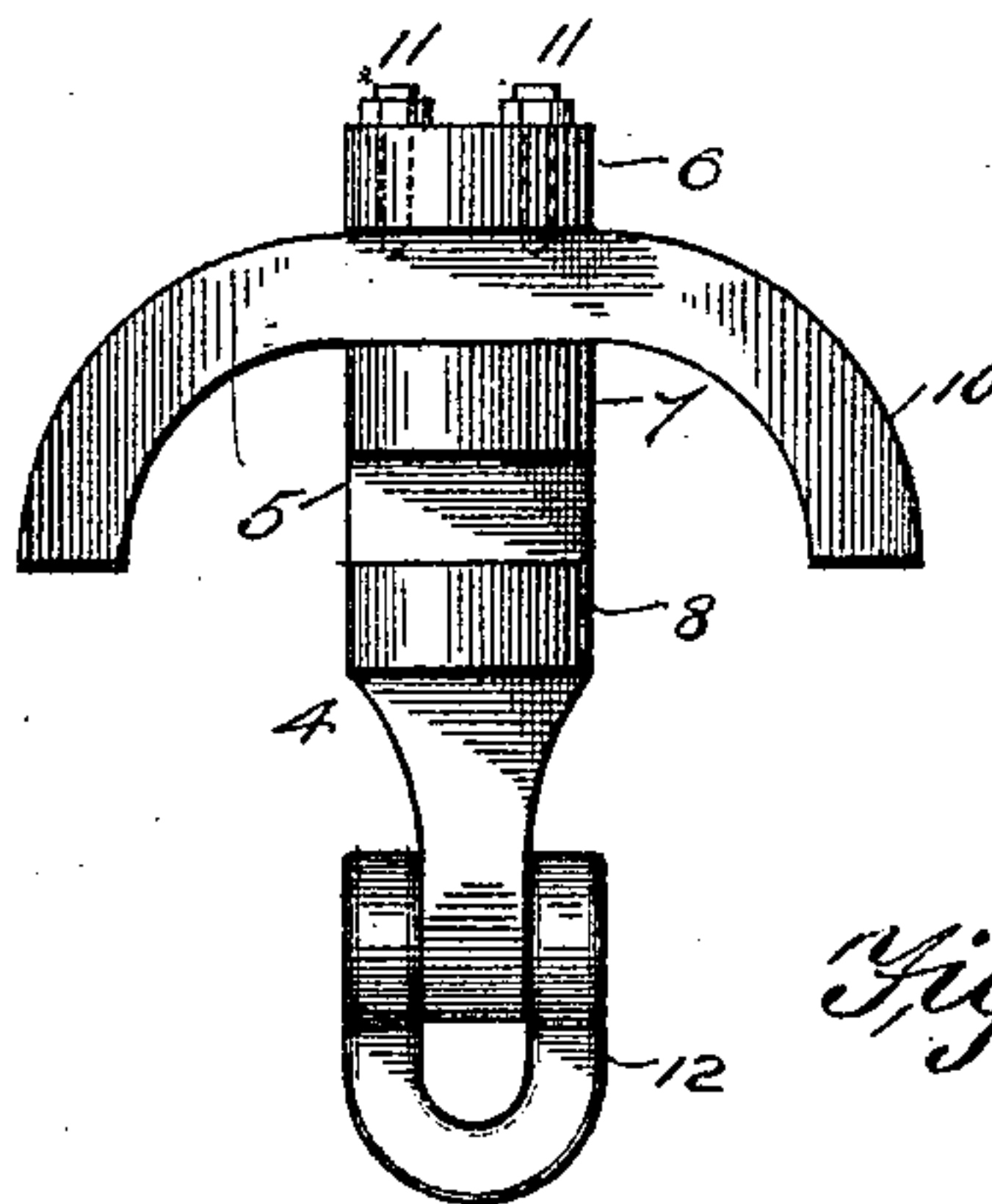
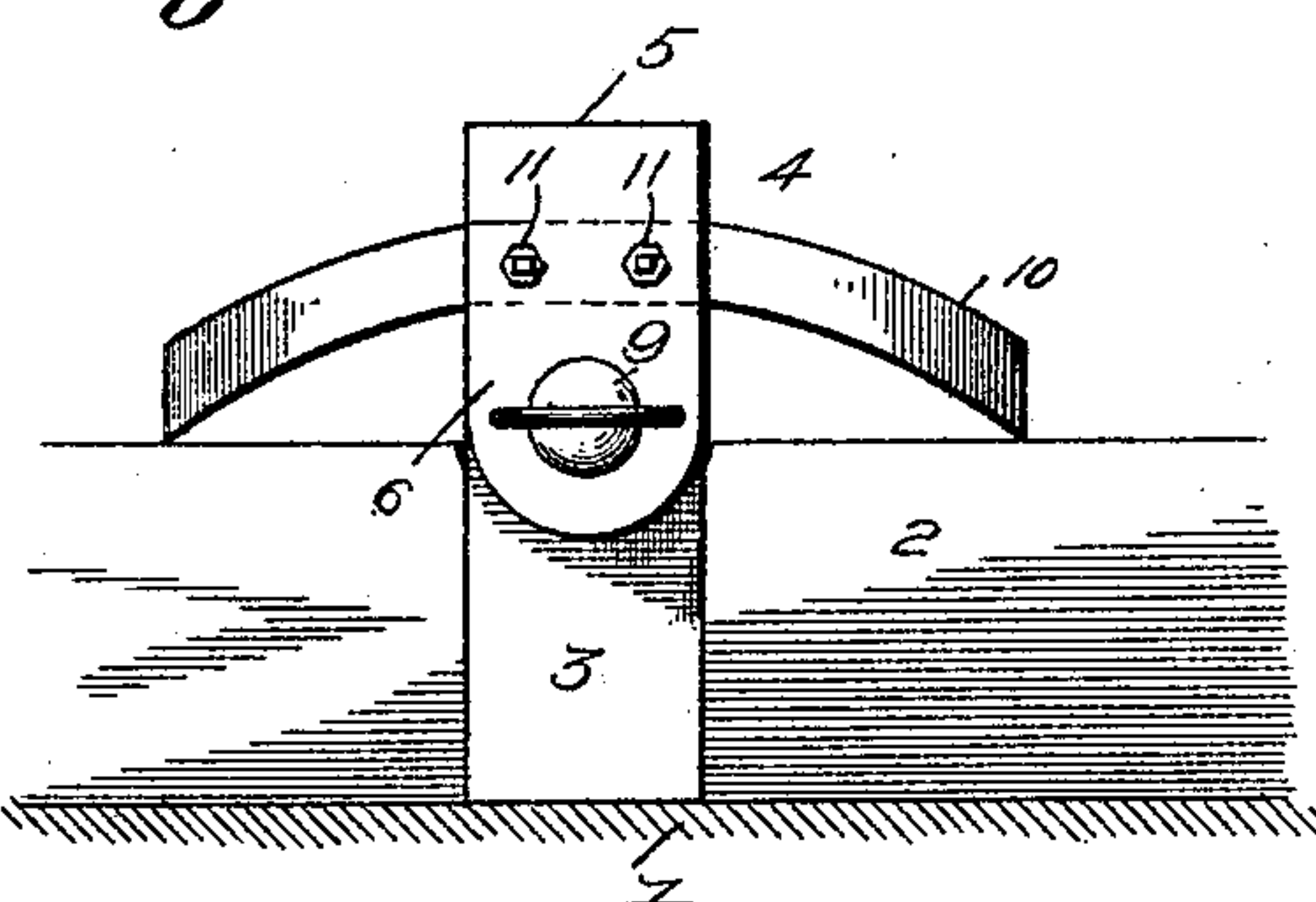


Fig. 4.

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UNITED STATES PATENT OFFICE.

WILLIAM L. NELSON, OF ROCKWOOD, TENNESSEE.

COMBINED CLEVIS AND ROPE-PLACER FOR CARS.

SPECIFICATION forming part of Letters Patent No. 538,341, dated April 30, 1895.

Application filed March 7, 1895. Serial No. 540,854. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM L. NELSON, a citizen of the United States, residing at Rockwood, in the county of Roane and State of Tennessee, have invented a new and useful Combined Clevis and Rope-Placer for Cars, of which the following is a specification.

My invention relates to an improvement in devices for attaching ropes or cables to cars.

10 The object of my invention is to construct a combined clevis and rope placer for use in connection with flat cars by which the rope or cable may be quickly and easily connected with and removed from the cars, and which, 15 in the return of the empty car for another load, shall serve as a placer for laying the cord or cable properly in place upon the guiding pulleys, and to this end my invention consists in certain features and details of construction 20 and arrangement of parts hereinafter specifically described, and pointed out in the claims.

In the accompanying drawings:—Figure 1 is a perspective view of one end of a flat car with my improved clevis and rope placer attached thereto, showing also a portion of a road bed and the manner of disposing the guiding pulleys. Fig. 2 is an enlarged perspective view of my improved clevis and rope placer. Fig. 3 is a plan view of the same, 25 showing also a portion of the end sill of a car. Fig. 4 is an end elevation of the device.

Similar numerals of reference indicate corresponding parts in the figures of the drawings.

35 Referring to the drawings, 1 indicates a portion of a car, 2 the end sills thereof, and 3—3 the jaws of the hitching or coupling plate secured to said sill. 4 indicates my improved clevis and rope placer combined, the same 40 consisting of an upright main or body portion 5, which is provided with a series of horizontally extending arms or jaws 6, 7, and 8 at right angles thereto, and when the device is in position and attached to the car, project 45 inwardly toward the end sill of the car. The arms 6, 7, and 8 stride and embrace the jaws 3—3 of the hitching or coupling plate on the car sill, and a pin 9 passing through perforations in the arms 6, 7, and 8, and also through 50 perforations in the jaws 3—3, couples the parts together.

10 represents a yoke or double stop made preferably from wrought iron. This yoke is secured between the arms or jaws 6 and 7 of the clevis by means of one or more set screws 55 11, screwing into and through the jaw 6, and against or into depressions in the upper face of the yoke piece 10. The outer ends of the yoke piece are curved downwardly and slightly inwardly and are adapted to engage 60 and rest against the end sill 2 of the car, the purpose thereof being to prevent the clevis and rope placer from turning, and to hold the same securely in place.

At the lower end of the main or body portion 5, the same is reduced in width for the reception of a pivoted loop or eye 12 to which the usual rope or cable 13 is connected. The main or body portion 5 extends downwardly to a point in close proximity to the road bed, 70 whereby in the return of the car for another load, the rope 13 is placed in proper position with relation to the pulleys 14 which guide and support said rope in the usual manner.

By means of the construction above described, a strong, simple and durable device 75 is produced, which is especially valuable on roads which are sinuous and have many curves, as it effects a great saving in rope extending the life thereof four-fold as compared 80 with the arrangement in which simply an ordinary clevis is employed, a fact that has been demonstrated by actual test.

Having thus described the invention, what is claimed as new, and desired to be secured 85 by Letters Patent, is—

1. A combined clevis and rope placer for cars, consisting of a vertical downwardly extending main or body portion 5, an eye or loop swiveled to the lower end thereof for receiving the rope or cable, a series of horizontally 90 extending arms for engaging the jaws on the hitching or coupling plate on the car, and an outwardly and downwardly projecting adjustable yoke or stop for preventing said device 95 from turning, all arranged substantially as and for the purpose described.

2. A rope placer for cars, comprising a main or body portion adapted to receive the hauling rope, inwardly projecting arms thereon 100 provided with vertically aligned perforations for the reception of a pin for coupling said

device to the hitching or coupling plate on the
car, a yoke interposed between said arms in-
side of said coupling pin, and means for fas-
tening said yoke in place between the in-
5 wardly projecting arms, substantially as speci-
fied.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in
the presence of two witnesses.

WILLIAM L. NELSON.

Witnesses:

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J. B. NUNN.