

W. R. BALL.
 DOUBLETREE ATTACHMENT.
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967,155.

Patented Aug. 16, 1910.

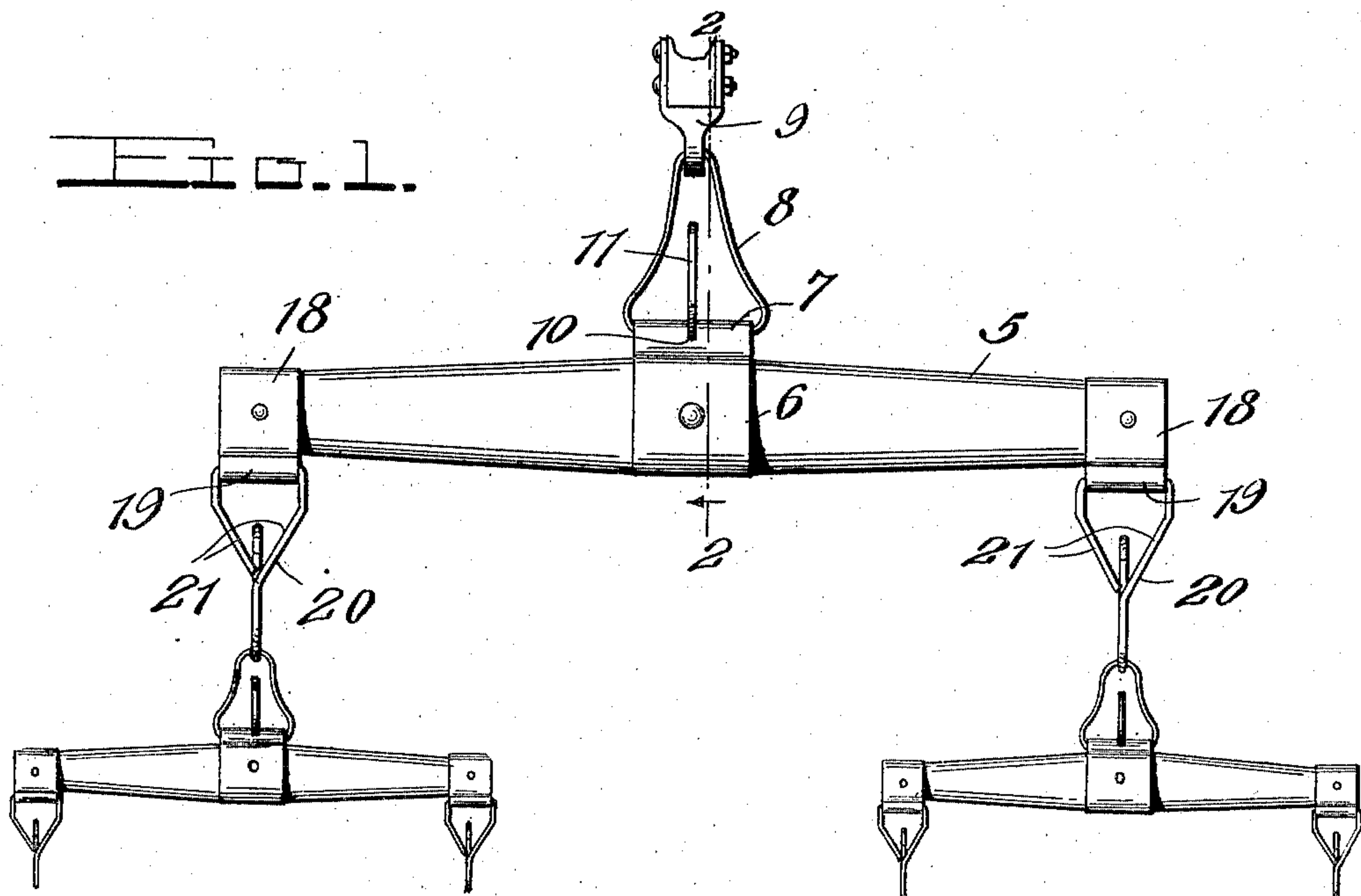


Fig. 1.

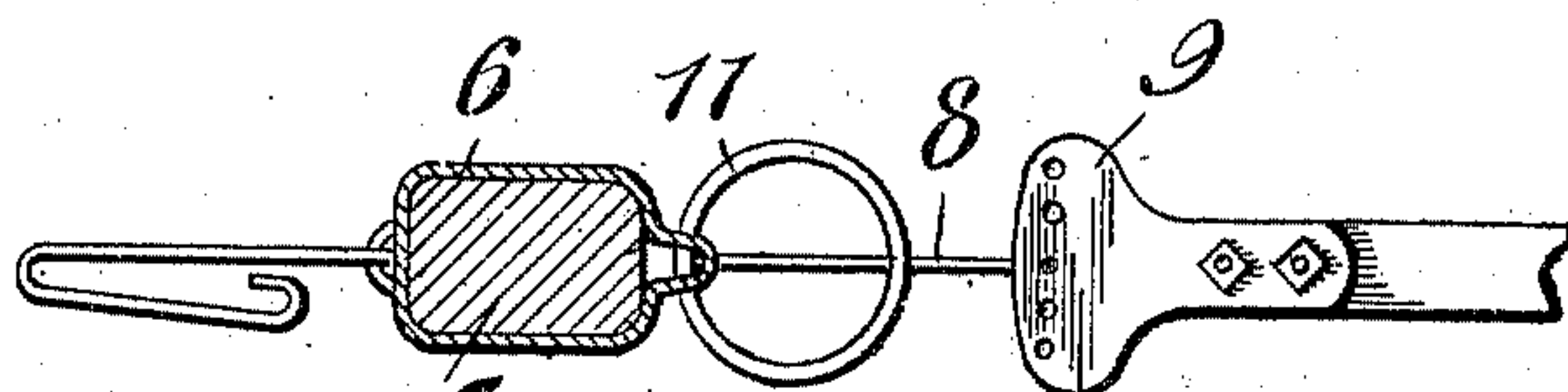


Fig. 2.

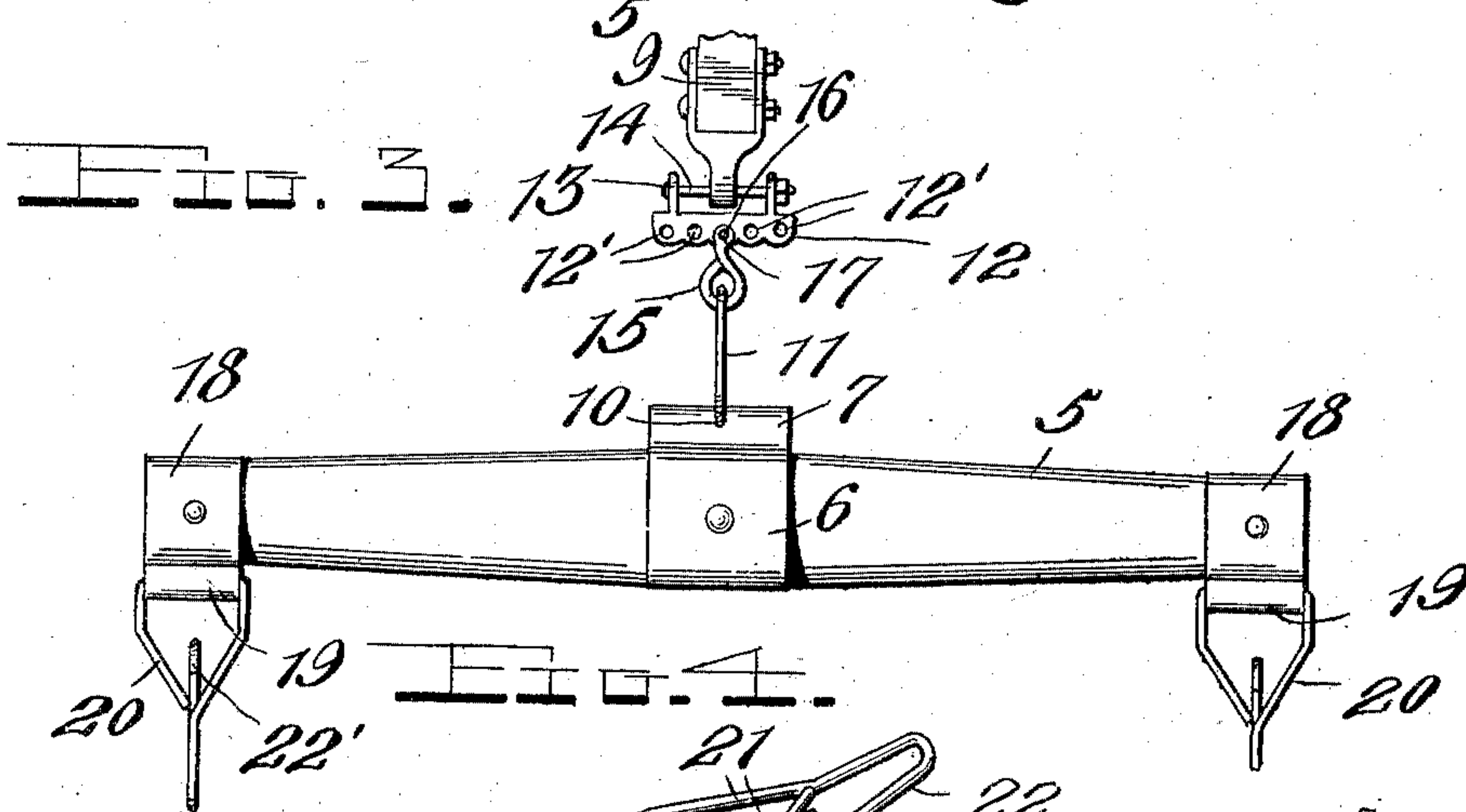


Fig. 3.

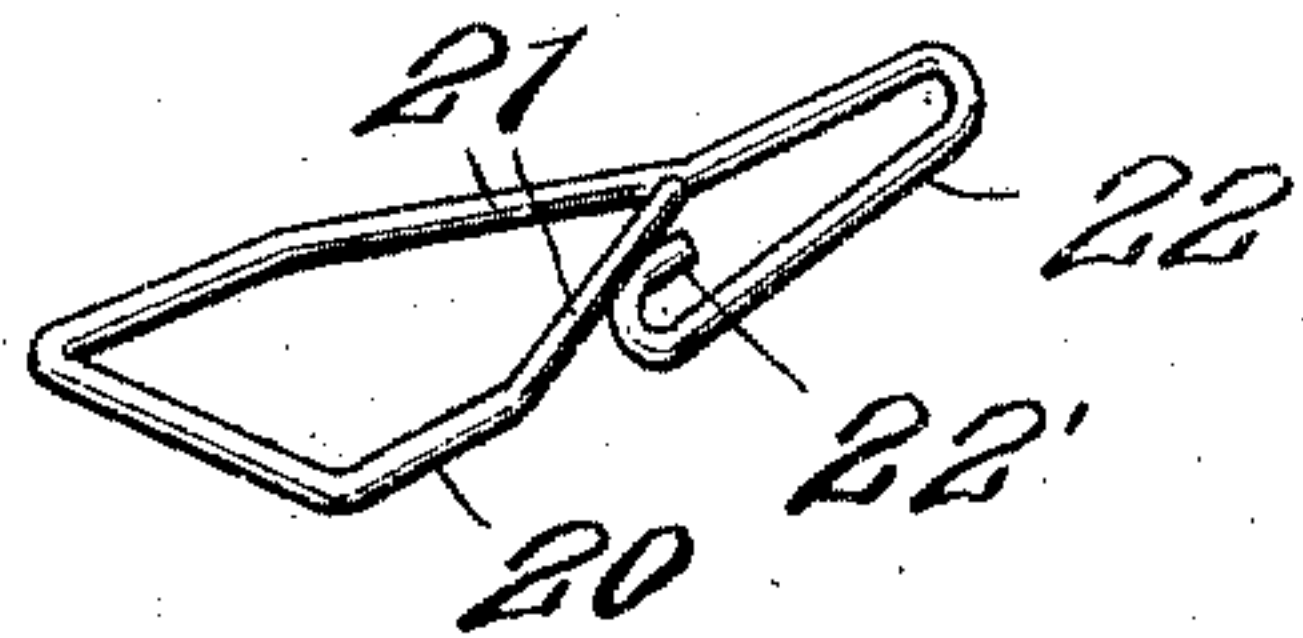


Fig. 4.

Witnesses

Chas. L. Griebauer.
 E. M. Ricketts

By

Watson E. Coleman.
 Attorney

Inventor
 W.R. Ball,

UNITED STATES PATENT OFFICE.

WILLIAM ROSSEM BALL, OF BRYAN, TEXAS.

DOUBLETREE ATTACHMENT.

967,155.

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To all whom it may concern:

Be it known that I, WILLIAM R. BALL, a citizen of the United States, residing at Bryan, in the county of Brazos and State of Texas, have invented certain new and useful Improvements in Doubletree Attachments, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to certain new and useful improvements in doubletree attachments and has for its object to provide a very simple device of this character which may be quickly attached to a clevis or buck
15 head.

Another object is to improve the construction, increase the efficiency and reduce the cost of production of devices of this class.

20 With these and other objects in view, the invention consists of the novel features of construction and the combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the
25 accompanying drawings, in which—

Figure 1 is a top plan view of a device embodying my improvements; Fig. 2 is a section taken on the line 2—2 of Fig. 1; Fig. 3 is a top plan view showing a double-
30 tree attached to a buck head; and Fig. 4 is a detail perspective view of the swingletree hook.

Referring more particularly to the drawings 5 indicates a doubletree. A metallic
35 band 6 is centrally secured to the doubletree and is extended from one side of the doubletree and bent to form a loop receiving portion 7. A loop 8 has its ends disposed in the bearing 7 formed on the band and is
40 adapted for attachment to a clevis 9 secured upon a vehicle tongue. This clevis may be of any ordinary or approved construction and forms no part of my present invention. The central portion of the metallic band 6 which
45 forms the bearing 7 is provided with apertures 10 through which a ring 11 is positioned. This ring is disposed wholly within the loop 8 and is adapted to be used independently thereof as will not be set forth.

50 In some instances it is desirable to employ what is known as a buck head. This buck

head is removably connected to the clevis and comprises a bar 12 which is formed with spaced eyes 13. These eyes are adapted to receive a headed pin 14 which is also dis-
55 posed through any one of the openings of the clevis. The bar 12 is provided with a plurality of openings 12'. A link 15 is disposed through the ring 11. This link is formed of heavy wire and has its end por-
60 tions looped or crossed, so that the eyes 16 formed on the ends of said wire will be spaced. These eyes are adapted to receive between them the bar 12, and a cotter pin 17 is positioned through the opening 12' in the
65 bar and the eyes, thereby securing the doubletree to the buck head. By attaching the doubletree to the buck head, a certain amount of oscillation is permitted and greater freedom of movement allowed than when the
70 doubletree is attached directly to the clevis.

A sleeve 18 is secured to each end of the doubletree and is formed with a central bearing portion 19 similar to the bearing 7. This bearing 19 is adapted to receive a wire
75 swingletree hook 20. This hook is shown in detail in Fig. 4 and it will be noted that the same is formed from a single length of wire bent to provide the inwardly converging side portions 21 and a hook 22, the bill of said
80 hook being disposed outwardly, as shown at 22'. One of the inclined sides of this wire hook is formed from the end of the wire, the intermediate portion between the inclined sides being disposed in the bearing 19. The
85 hook above described may be simply and inexpensively manufactured and will effectually prevent the release of the swingletrees in ordinary use.

From the foregoing it will be seen that I
90 have provided an attachment which is of great utility and one which can be utilized for various purposes. The doubletree attachment is simple, strong, and durable and highly efficient in use. The swingletree hook
95 is of such construction that the same may be replaced by another in the event that one is broken without involving any considerable additional expense.

I claim:

100 An attachment of the character described comprising a metallic band adapted to be

centrally secured on a doubletree and having a bearing formed thereon, an attaching loop swiveled in said bearing for connection to a clevis, and a ring carried by said band
5 disposed within the loop for independent connection to a buck head, substantially as and for the purpose set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

WILLIAM ROSSEM BALL.

Witnesses:

E. W. CRENSHAW,
J. M. HARE.