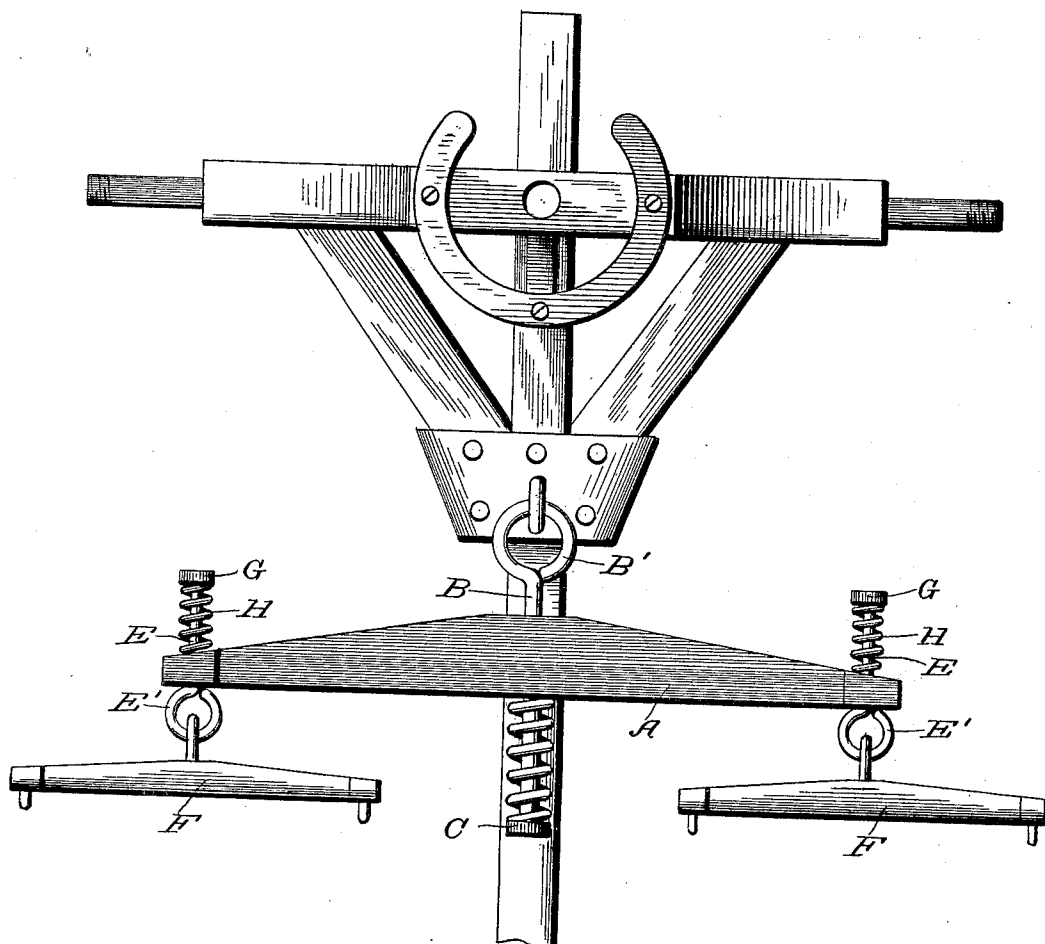


No. 697,116.

Patented Apr. 8, 1902.

L. A. TWEEDY.
DOUBLETREE EVENER.
(Application filed Jan. 28, 1902.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

LARSON A. TWEEDY, OF BOONVILLE, INDIANA.

DOUBLETREE-EVENER.

SPECIFICATION forming part of Letters Patent No. 697,116, dated April 8, 1902.

Application filed January 28, 1902. Serial No. 91,630. (No model.)

To all whom it may concern:

Be it known that I, LARSON A. TWEEDY, a citizen of the United States, residing at Boonville, in the county of Warrick and State of Indiana, have invented certain new and useful Improvements in Doubletree-Eveners; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to new and useful improvements in doubletree-eveners; and it consists in the provision of means whereby jar to the vehicle incident to the sudden jerk upon the singletrees is prevented.

20 The invention more specifically consists in the provision of a doubletree which has an eyebolt passing centrally through the same, which bolt is adapted for attachment to a vehicle, and the provision of a spring interposed
25 between the opposite end of said bolt and the edge of the doubletree, and in the provision of similar bolts which are passed through the ends of the doubletree and having springs interposed between the opposite edge of the
30 doubletree from that engaged by the spring on the central bolt, the eyes of the bolts at the ends of the doubletree being adapted for connection with singletrees and by which means the jar is taken up intermediate the
35 singletrees and the bolt which is attached to the vehicle.

The invention will be hereinafter fully described in detail and details specifically defined in the claim, and is illustrated in the
40 accompanying drawing, which, with the letters of reference marked thereon, forms a part of this application, and of which drawing I have shown a plan view embodying the improvements of my invention.

45 Reference being had to the details of the drawing by letter, A designates a doubletree, which is of ordinary construction and is cen-

trally apertured to receive an eyebolt B, having an eye B' at one end and a pin C at its opposite end. Said bolt after being passed
50 through the central aperture in the doubletree is normally held in the position shown in the drawing by means of the spring D, which is mounted upon the said bolt B and
55 interposed between the edge of the doubletree and said pin C. At the ends of the doubletree are formed apertures to receive the bolts E, which have eyes E' for attachment
60 to the singletrees F and heads G at their opposite ends, against which springs H, interposed between said heads or pins G and the
inclined edge of the doubletree, are adapted to bear.

From the foregoing it will be observed that in a doubletree constructed in accordance
65 with my invention a jar or sudden jerk which may be imparted to the same by suddenly starting a team attachment to the singletrees will be taken up by the springs upon the eyebolts at the center and ends of the double-
70 tree, thus causing the vehicle to be drawn steadily without sudden jerks.

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

75 In combination with a doubletree having a centrally-disposed aperture, a bolt B having an eye B' at one end, and passing through said aperture, a head C to said bolt, a spring
80 interposed between the doubletree and said head, bolts E mounted in apertures at the ends of said doubletree and having eyes E' to which singletrees are adapted to be connected, heads G separate from each other, on
85 said bolts E, and springs interposed between the rear inclined edges of the doubletree and heads G, as shown and described.

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

LARSON A. TWEEDY.

Witnesses:

MARSHAL R. TWEEDY,
ROSCOE KIPER.