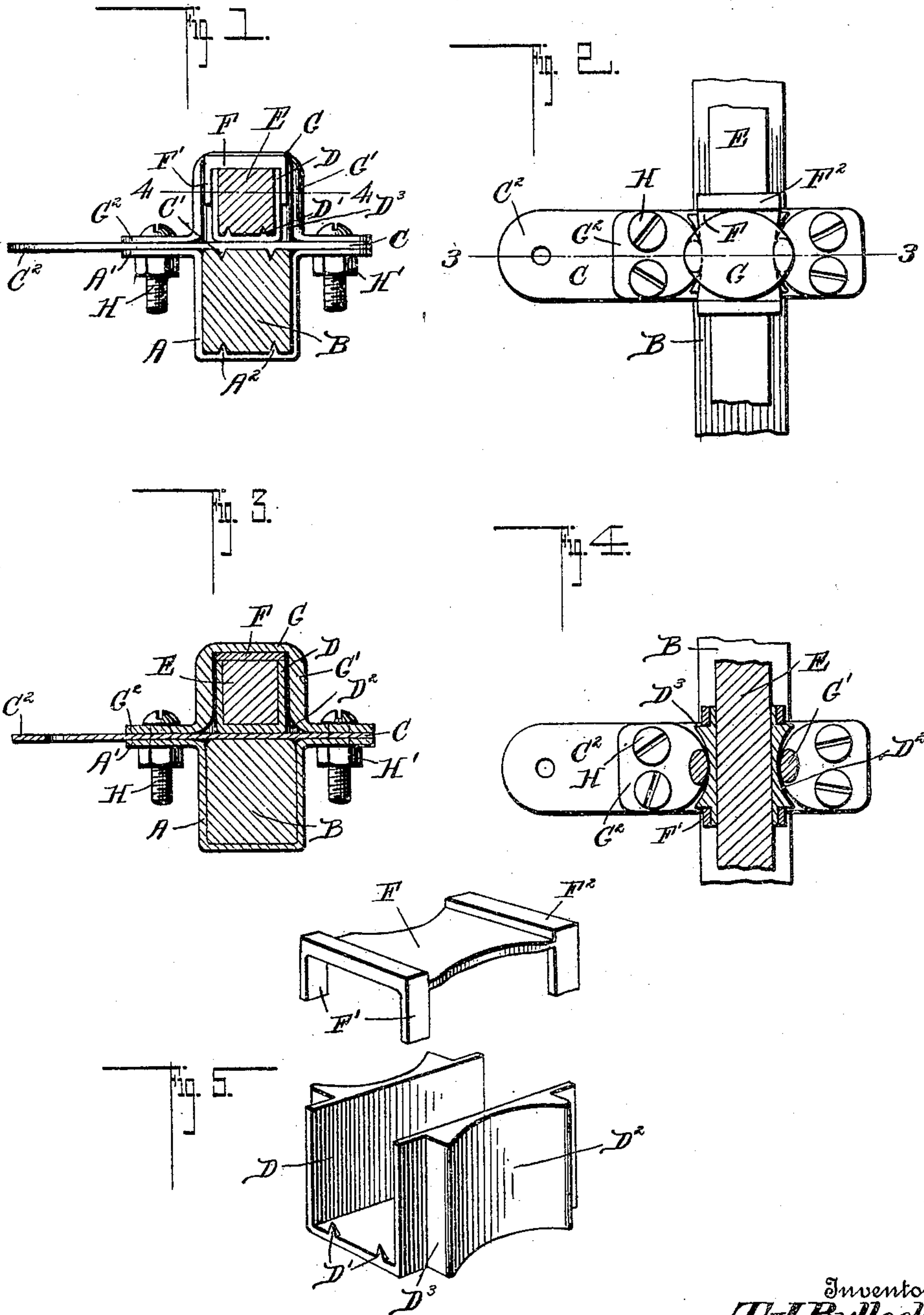


T. J. BULLOCK.  
WHIFFLETREE COUPLING.  
APPLICATION FILED JAN. 25, 1910.

979,059.

Patented Dec. 20, 1910.



Witnesses

Philip H. Burch  
As Atty.

Inventor  
T. J. Bullock,

By *O'Meara & Brock*  
Attorneys



# UNITED STATES PATENT OFFICE.

THOMAS JEFFERSON BULLOCK, OF FREEDOM, KENTUCKY.

## WHIFFLETREE-COUPLING.

979,059.

Specification of Letters Patent.

Patented Dec. 20, 1910.

Application filed January 25, 1910. Serial No. 539,993.

*To all whom it may concern:*

Be it known that I, THOMAS JEFFERSON BULLOCK, a citizen of the United States, residing at Freedom, in the county of Barren and State of Kentucky, have invented a new and useful Improvement in Whiffletree-Couplings, of which the following is a specification.

This invention relates to certain new and useful improvements in whiffletree couplings, the object being to provide a coupling which is so constructed that the whiffletree can be connected to the draft beam without the use of the usual bolt passing through the same whereby the life of the whiffletree will be greatly increased and at the same time the whiffletree will not be weakened in any way as is the case with the couplings now in use.

Another object of my invention is to provide a coupling which is so constructed that the whiffletree will have free movement to such an extent as is necessary and yet the movement will be limited so that the use of straps for limiting the movement of the whiffletree are dispensed with.

A further object of my invention is to provide a whiffletree coupling which is exceedingly simple and cheap in construction and one in which the parts are so connected that they can be readily placed on a draft beam and the whiffletree placed in position easily and quickly.

Still another object of the invention is to provide a coupling which comprises a clip adapted to be arranged over a draft beam and a box adapted to receive the whiffletree mounted upon said clip in such a manner that all danger of the whiffletree becoming accidentally detached is prevented.

With these various objects in view, my invention consists in the novel features of construction hereinafter fully described, pointed out in the claims and shown in the accompanying drawings, in which:

Figure 1 is a vertical section through a draft beam and whiffletree showing my improved coupling in position. Fig. 2 is a top plan view of the same. Fig. 3 is a section taken on the line 3—3 of Fig. 2. Fig. 4 is a horizontal section taken on the line 4—4 of Fig. 1, and Fig. 5 is a perspective view of the whiffletree box showing the cap raised.

In carrying out my improved invention, I employ a U-shaped clip A adapted to receive a draft beam B such as a whiffletree said clip being provided with outwardly project-

ing ends A' and having spurs A<sup>2</sup> adapted to be embedded in the draft beam B as clearly shown in Fig. 1 so as to prevent the same from moving thereon after once being placed in position.

Arranged on the top of the draft beam B over the clip A is a bar C which is provided with openings adapted to register with openings formed in the outwardly projecting ends A' of the clip A and said bar is provided with spurs C' which are driven into the top of the beam B as clearly shown in Fig. 1 so as to hold the bar in its proper position, and this bar projects outwardly as shown at C<sup>2</sup> having an aperture formed therein so that the same can be readily coupled to a wagon or a plow.

Mounted on the bar C over the clip A is a box D adapted to receive the whiffletree E, said box being provided with spurs D' which are driven into the whiffletree E so as to prevent the same from sliding therein after being placed in position. The sides of the box D are thickened as clearly shown and cut away to form curved bearing portions D<sup>2</sup> and shoulders D<sup>3</sup> for the purpose hereinafter fully described.

Arranged over the whiffletree E and box D is a cap F which is provided with depending arms F' at its corners adapted to fit snugly over the sides of the box against the shoulders D<sup>3</sup> so as to securely lock the cap in position and said cap is cut away to conform to the curvature of the bearing portions D<sup>2</sup>. Shoulders F<sup>2</sup> are formed on the top of the cap F at each end forming stops for a substantially inverted U-shaped coupling clip G which extends over the cap and box and is provided with rounded leg portions G' forming bearings adapted to fit within the bearings D<sup>2</sup> formed on the sides of the box so as to allow the box carrying the whiffletree to move and it will be seen that by using coupling members with different sized bearing members the movement of the box within the coupling member can be regulated.

The coupling member G is provided with outwardly projecting feet G<sup>2</sup> which are also apertured, said apertures registering with the apertures of the bar C and the outwardly projecting ends A' of the clip A and through which machine bolts H are adapted to pass for locking the respective members together, said machine bolts being locked by ordinary nuts H' and it will be seen that by this construction the respective parts are



locked on the draft beam and whiffletree in such a manner that by removing the bolts H the parts can be readily taken apart.

From the foregoing description, it will be seen that I have provided a whiffletree coupling having means for securing the same upon a draft beam and a box to receive the whiffletree having bearings which work on bearing members of a coupling member, straddling the box in such a manner that the whiffletree will have free movement.

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

1. A whiffletree coupling, comprising a clip adapted to receive a draft beam, a bar arranged over said beam, a box mounted on said bar adapted to receive a whiffletree, and provided with bearings, a cap arranged over said box, and a coupling arranged over said box working in said bearings for securing the same on the draft beam and whiffletree.

2. A whiffletree coupling comprising a substantially U-shaped clip adapted to receive a draft beam having outwardly projecting apertured ends, a bar arranged over said beam having apertures adapted to register with the apertures of the clip, a box mounted on said bar adapted to receive a whiffletree, a cap arranged over said box provided with shoulders at its ends, and a substantially U-shaped coupling member arranged over said box having feet portions provided with apertures adapted to register with the openings of the bar and through which bolts pass for securing the coupling member in position on the draft beam and whiffletree.

3. A whiffletree coupling comprising a clip adapted to be arranged on a draft beam, a bar arranged over said clip, a box adapted to receive a whiffletree having bearing portions, a cap arranged over said box, and a coupling member having bearing portions co-acting with the bearing portions of said box together with means for locking said coupling member, bar and clip over the draft beam and whiffletree.

4. A whiffletree coupling comprising a substantially U-shaped clip having outwardly projecting apertured end portions, said clip being provided with spurs, a draft beam arranged in said clip having said spurs embedded therein, a bar having an apertured end arranged over said beam having apertures registering with the apertures of said outwardly projecting ends, a box mounted on said bar having oppositely disposed bearing portions, said box being provided with spurs, a whiffletree arranged in said box, a cap provided with depending arms arranged over said box, a substantially U-shaped coupling member arranged over said box having rounded leg portions forming bearings co-acting with the bearings of the box, said leg portions being provided with feet having openings registering with openings of the bar, and bolts extending through the openings of the respective members for securing the said members over a draft beam and whiffletree.

THOMAS JEFFERSON BULLOCK.

Witnesses:

W. B. ENGLAND,  
J. F. LOVE.