W. McCONWAY, Jr.
CAR COUPLING.
PPLICATION FILED AUG. 8, 1905

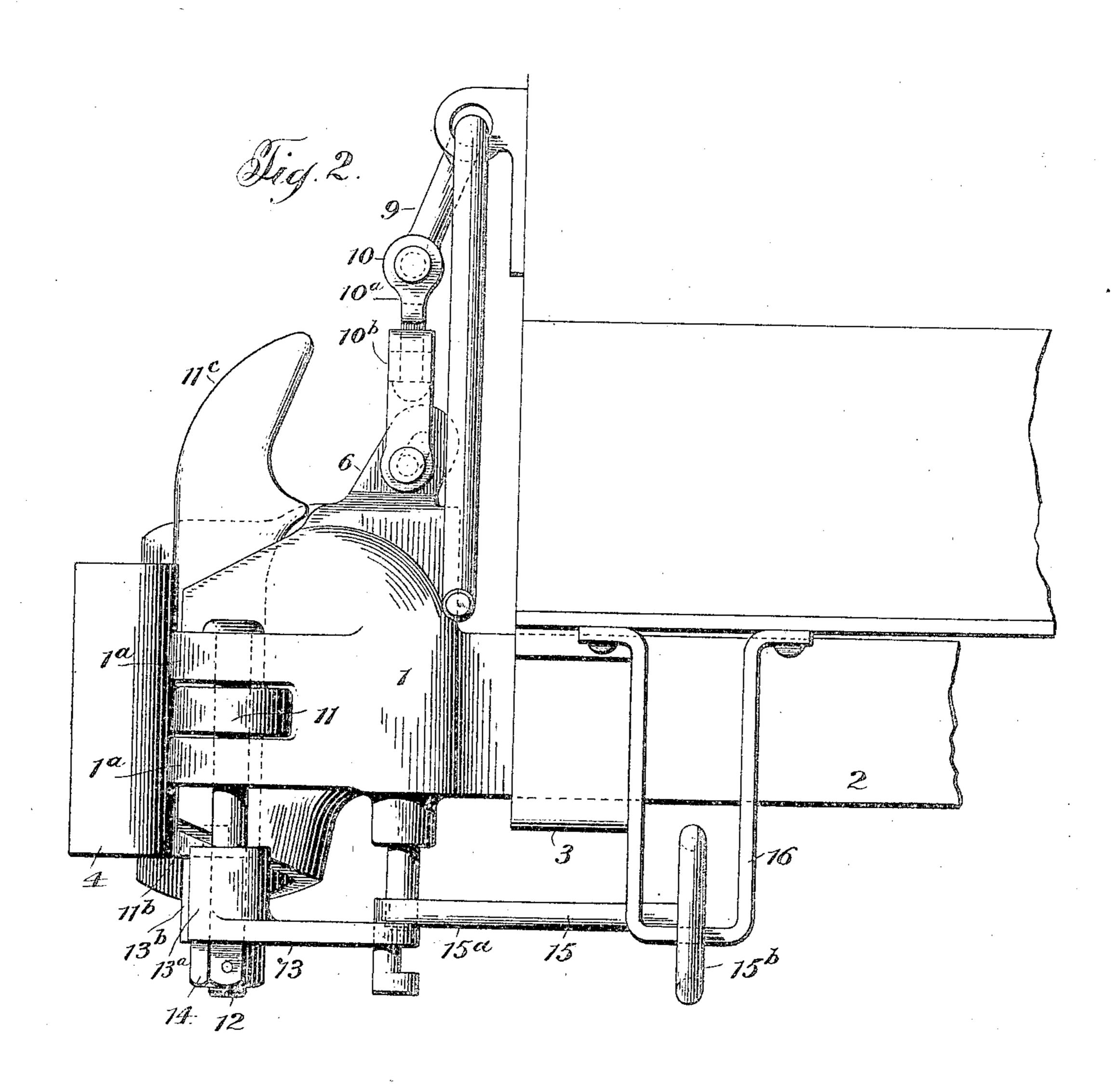
APPLICATION FILED AUG. 8, 1905. 6 SHEETS-SHEET 1. Witnesses

W. MoCONWAY, JR.

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6 SHEETS-SHEET 2.



Witnesses

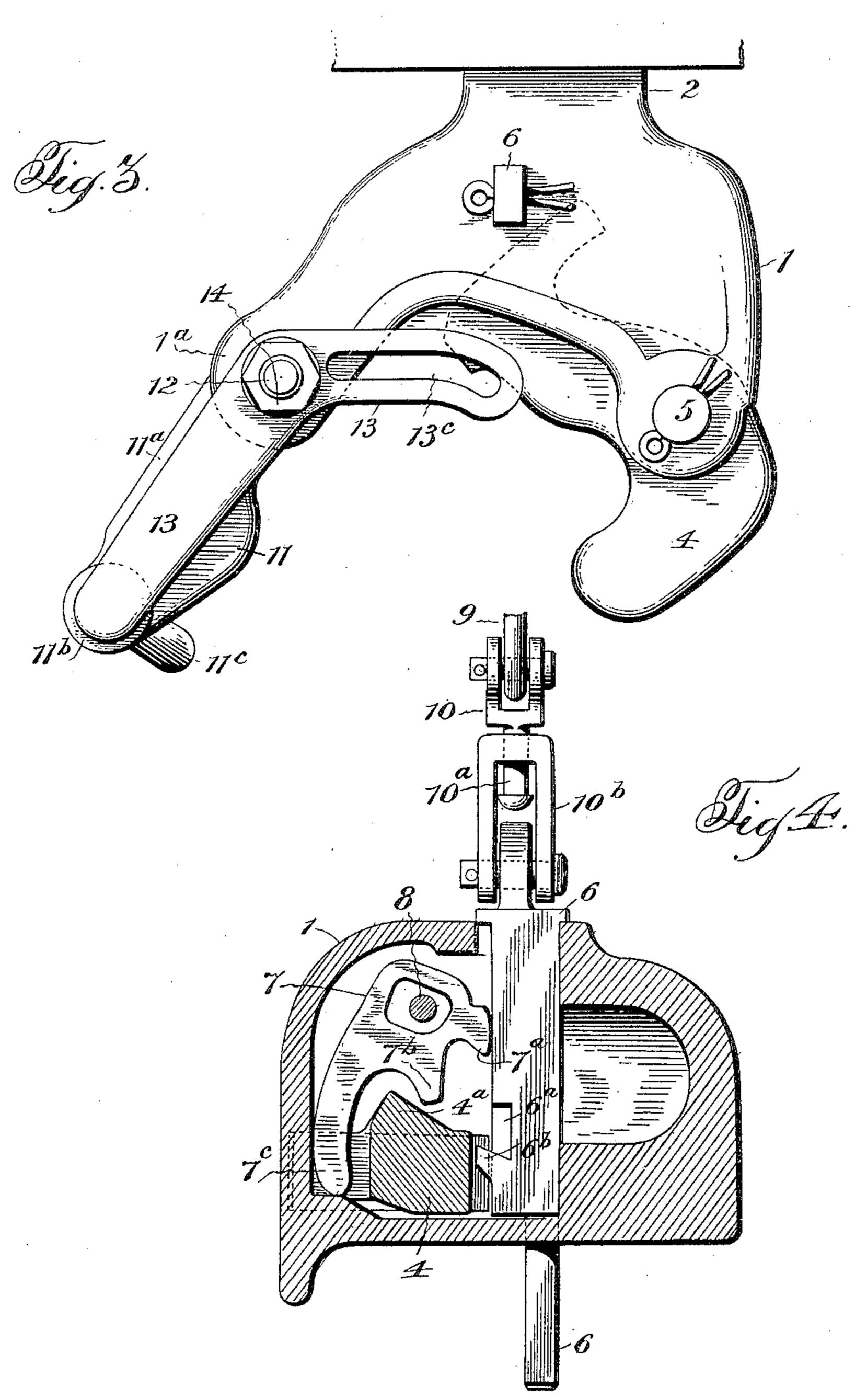
Jastosfeetchenson.

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by FM Retter for.
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## W. McCONWAY, Jr. CAR COUPLING.

APPLICATION FILED AUG. 8, 1905.

6 SHEETS-SHEET 3.



Witnesses

Jaste Sutchinson!

Inventor

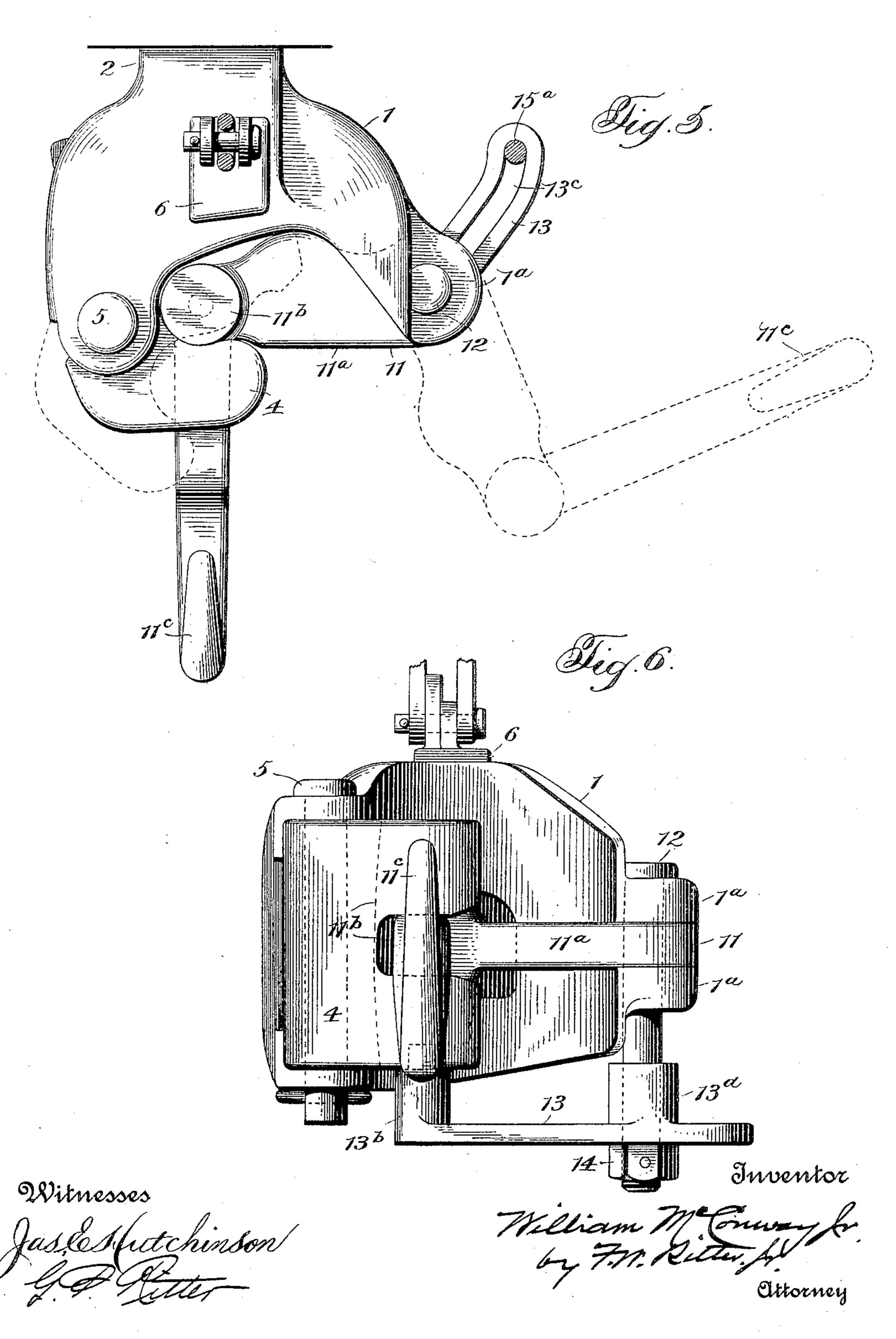
William Henway for.

attorney

## W. McCONWAY, Jr. CAR COUPLING.

APPLICATION FILED AUG. 8, 1905.

6 SHEETS-SHEET 4.



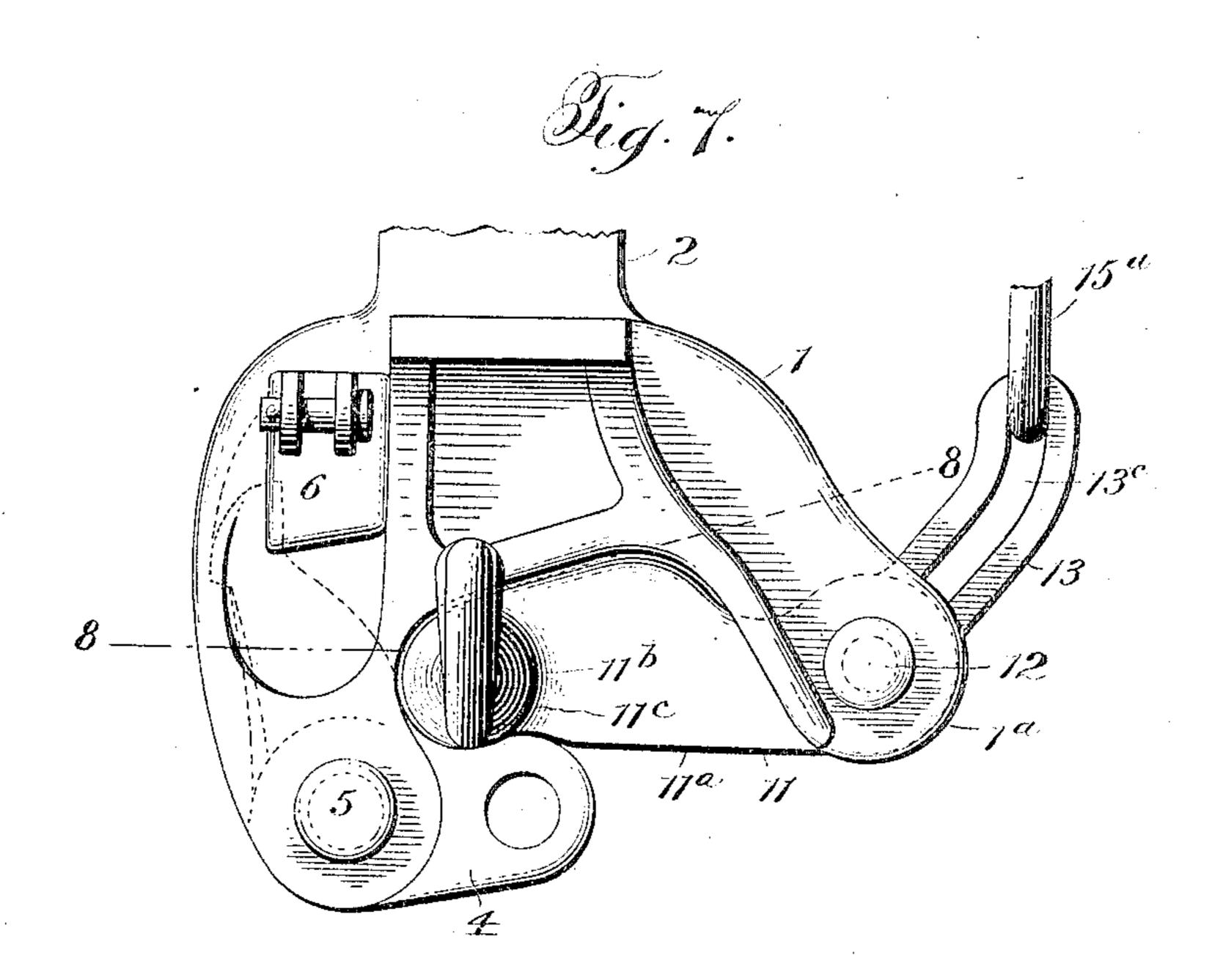
No. 813,107.

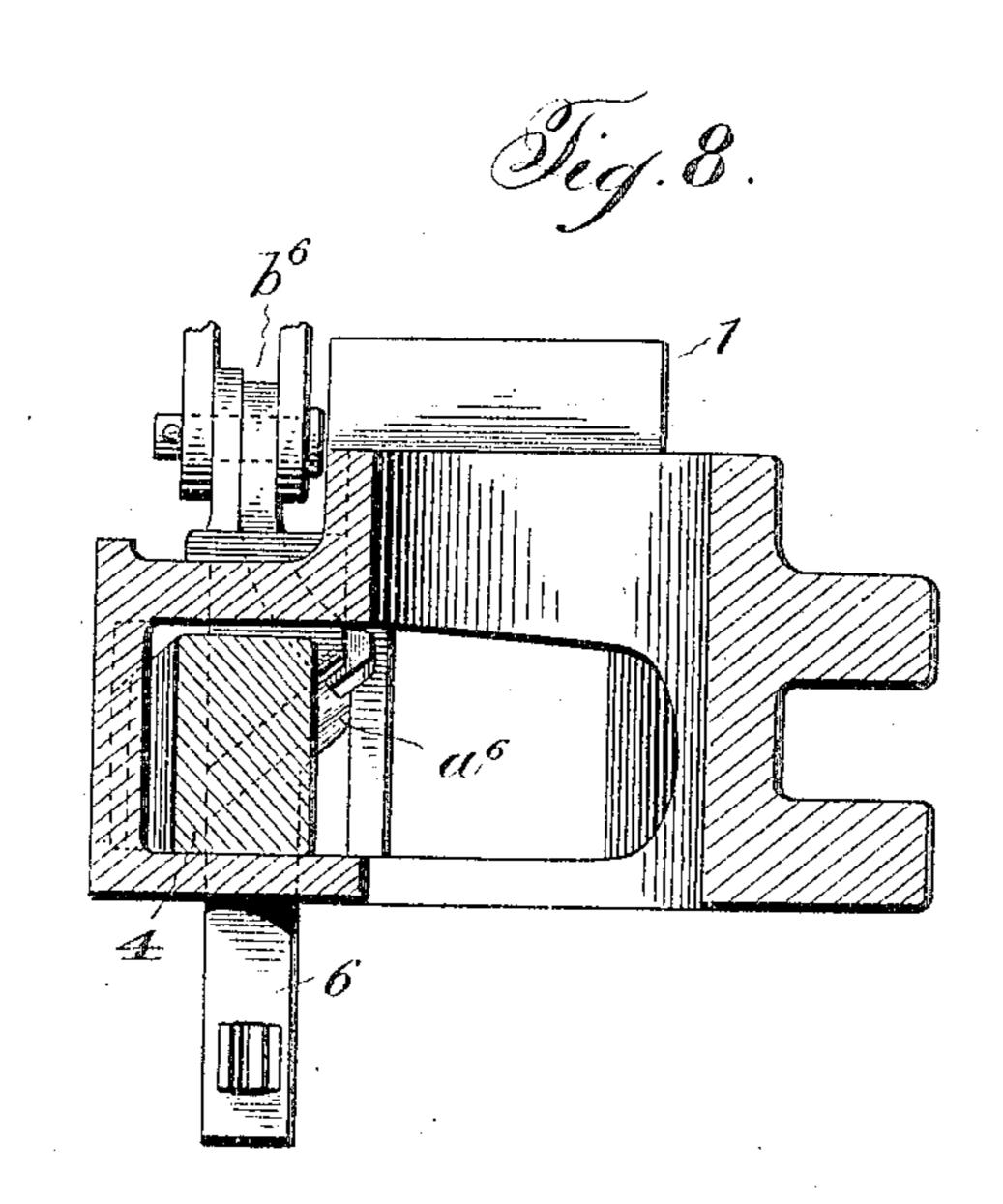
PATENTED FEB. 20, 1906.

## W. MoCONWAY, JR. CAR COUPLING.

APPLICATION FILED AUG. 8, 1905.

6 SHEETS-SHEET 5.





Witnesses

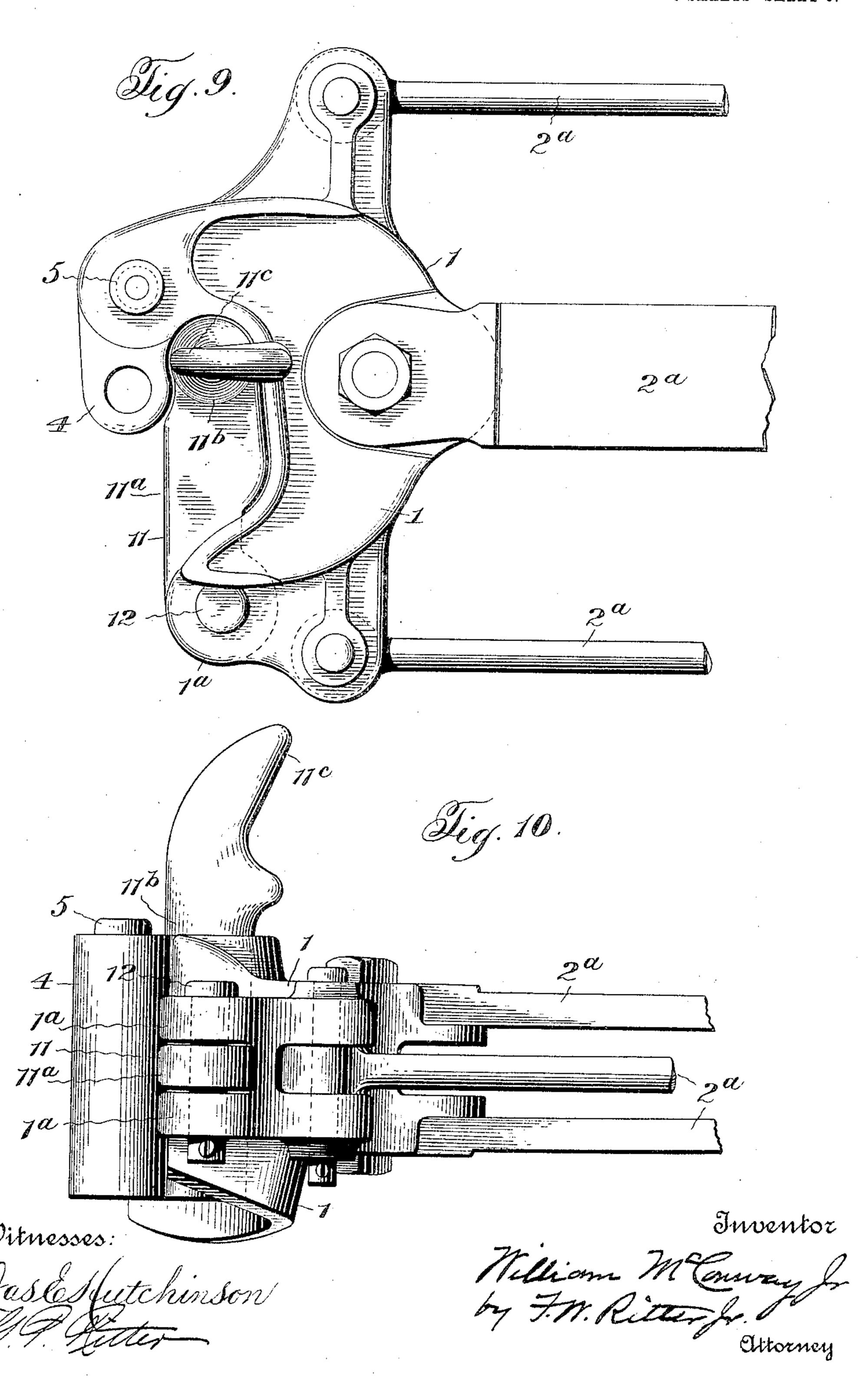
Jastosfutchinson.

Inventor

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# W. McCONWAY, Jr. CAR COUPLING. APPLICATION FILED AUG. 8, 1905.

6 SHEETS-SHEET 6.



### UNITED STATES PATENT OFFICE.

WILLIAM McCONWAY, JR., OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO THE McCONWAY & TORLEY COMPANY, OF PITTSBURG, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

#### CAR-COUPLING.

No. 813,107.

Specification of Letters Patent.

Patented Feb. 20, 1906.

Application filed August 8, 1905. Serial No. 273,267.

To all whom it may concern:

Be it known that I, William McConway, Jr., a citizen of the United States, residing at Pittsburg, in the county of Allegheny and 5 State of Pennsylvania, have invented certain new and useful Improvements in Car-Couplings; 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 appertains to make and use the same.

My invention relates to the construction of couplings for railway-cars, and has for its object to produce a simple, efficient, and easily-manipulated device whereby a car or the like equipped therewith may be readily coupled with other cars, whether the latter be provided with couplers of the vertical-plane or Master Car-Builders' type or with link or chain couplings or with coupling devices of the character of this invention.

To this end my invention, generally stated, may be said to reside in a construction wherein a suitably-formed hook or equivalent linkengaging device is pivotally mounted upon the head of a car-coupler of the vertical-plane or Master Car-Builders' type, said hook member or link-engaging device being adapted to actuate and to control the movements of the usual coupler-knuckle and being itself restrained in locked or coupled position by means of said knuckle and its locking mechanism.

There are other features of invention residing in particular combinations and elemental construction, all as will hereinafter more fully appear.

In the drawings chosen to illustrate the preferred form of my invention, the scope 40 whereof is pointed out in the claims, Figure 1 is a plan view of a coupler embodying my invention shown in connection with the adjacent portion of a car, the relative positions the several parts occupy when the link-en-45 gaging member is in locked or coupled position being shown in full lines and the open or uncoupled position of the link-engaging member at d the knuckle being shown in dotted lines. Fig. 2 is a side elevation of the 50 coupler and a portion of the end of the car to which it is attached, the parts being in the coupled position illustrated in Fig. 1. Fig. 3 is an inverted plan view of the coupler, the

several parts being positioned preparatory to coupling with another car provided with a 55 vertical-plane coupler or with a coupler of the form of the present invention. Fig. 4 is a vertical section taken in the plane of the line 4 4, Fig. 1, illustrating one form of lock, knuckle, and knuckle-opering mechanism. 60 Fig. 5 is a view similar to Fig. 1, but illustrating a modified form of my invention. Fig. 6 is a front elevation of the modified form of my invention illustrated in Fig. 5, the parts being shown in the positions they oc- 65 cupy when the link-ergaging member is in locked or coupled position. Fig. 7 is a plan view of a coupler embodying my invention, illustrating a knuckle and locking mechanism of different forms from those previously 70 shown. Fig. 8 is a vertical section of the coupler shown in Fig. 7, taken in the plane of the line 8 8 thereof. Figs. 9 and 10 are a plan and side elevation, respectively, of a construction embodying my invention, the 75 coupler-head being attached to a plurality of stems.

Like symbols refer to like parts wherever they occur.

I will now proceed to describe my inven- 80 tion more fully, so that others skilled in the art to which it appertains may apply the same.

In so far as this device corresponds to couplers of the vertical-plane type it is obvious 85 that any of the various well-known forms may be employed.

In the drawings, 1 is a coupler having a shank 2, which is attached to suitable draft-rigging appliances (not shown) in any desired 90 manner, the coupler being supported at the forward end of the car by the carry-iron 3.

The head of the coupler, which may be of any usual or particular form desired, is provided with a knuckle 4 of such configuration 95 as to properly cooperate with the form of head and locking mechanism employed, said knuckle being pivotally attached to the head by the knuckle-pin 5 or in other suitable manner. A lock or locking mechanism 6 is 100 provided for the knuckle, the said knuckle and its lock being formed in any desired or well-known manner to coact with each other, and, if desired, the mechanism may be adapted to perform other functions, such as supporting the lock in unlocked position until

the knuckle is subsequently opened, locking the lock against an accidental unlocking or automatically opening the knuckle, all in a

manner well known.

In the constructions shown in Figs. 1 to 6, inclusive, the vertically-sliding lock 6 is of a form adapted to coöperate with a knuckleopener and lock-set or lock-supporting member 7, and for this purpose is provided with a ro notch or cavity 6ª and with a lug or projection 6b below the same. The lock-set and knuckle-opener member 7, which is preferably secured in the coupler-head in such manner that it may have a slight freedom of 15 movement in all directions about its pivotal point or pivot-pin 8, is provided with a plurality of lugs or fingers, one of which, 7<sup>ā</sup>, is adapted to enter the notch or socket 6a of the lock to support the same in an unlocked po-20 sition and is also adapted to be engaged by the lug or projection 6b of the lock to cause a rotation of the member 7 when the lock is raised above a certain point. The lug or finger 7<sup>b</sup> of the lock-set and knuckle-opener 25 member 7 normally stands slightly above the knuckle and in the path of movement of the double inclined projection 4a, which is formed upon the tail of the said knuckle 4. The depending finger 7°, with which the mem-30 ber 7 is provided, extends downwardly behind the tail of the knuckle 4, and when the said member 7 is caused to rotate through the operation of the lock 6 engages the rear of said knuckle-tail to cause an outward ro-35 tation or opening thereof.

In the construction shown in Figs. 7 and 8 no mechanism is provided for performing either the function of setting the lock preparatory to opening or for automatically 40 opening the knuckle. The lock 6 shown therein is a vertically-sliding pin having an inclined or beveled face a<sup>6</sup>, the tail of the knuckle 4 being so formed that it engages said inclined face upon a closing or locking 45 movement of said knuckle, whereby the lock is forced upwardly to permit the knuckle-tail to pass, the lock thereafter falling by gravity in front of said knuckle-tail, and thus locking

the coupler.

In connection with the lock shown in Figs. 7 and 8 a well-known form of device for preventing an accidental unlocking thereof is illustrated. This device  $b^6$  is housed within a slot in the lock, its lower end extending be-55 neath a portion of the coupler-head when the lock 6 is in locked position. When, however, the lock is raised through the agency of the uncoupling-lever 9, the first movement of the latter causes the withdrawal of the head of 60 the auxiliary locking device  $b^6$  from beneath the adjacent portion of the coupler-head, the lock being thereafter freely raised by the further movement of the said uncoupling-lever.

The uncoupling-lever 9, by means of which 65 the lock 6 is caused to assume an unlocked

position, is or may be of the usual and well? known form and may be connected to the lock 6 in any suitable manner. Preferably, however, the connection 10 between the lock 6 and uncoupling-lever 9 consists of a plural- 70 ity of relatively slidable parts 10<sup>a</sup> and 10<sup>b</sup>, which are telescoping with respect to each other in such manner that the opening for the bight of a coupling-link between the hook 11° and lock 6 in a construction such as 75 shown in Figs. 1, 2, 3, and 4 is not impeded.

While the connection 10 may be formed in any desired manner, it is preferred to rivet the parts 10<sup>a</sup> and 10<sup>b</sup> thereof together after they are in position by upsetting the end of 80

the member 10<sup>a</sup> to form a rivet-head.

Referring now more particularly to the novel features of construction which form operative combinations with parts of a verticalplane coupler of such character or functions 85 as heretofore described, 11 is a link-engaging member which is preferably pivotally mounted upon the guard-arm side of the couplerhead between perforated lugs 1ª 1ª, integral with the latter, a pivot-pin 12 passing 90 through said link-engaging member and said lugs. The said link-engaging member 11 preferably consists of a horizontally-extending arm 11a, a knuckle-actuating portion 11b, and a hook or equivalent portion 11c.

The horizontally-extending arm 11a, the inner contour of which may conform to the contiguous face of the coupler-head, carries at the end opposite its pivotal point the vertically-extending knuckle-actuating portion or 100 member 11b, the latter being preferably of general cylindrical or columnar form and integral therewith. The hook portion 11° or equivalent device for receiving a couplinglink may be attached to or formed on the 105 link-engaging member 11 at any suitable point, but is preferably integral with the knuckle-actuating portion 11<sup>b</sup> in order that the draft may be maintained central or approximately central of the device.

Two forms of the hook member 11<sup>c</sup> are shown in the drawings. In Figs. 1, 2, 3, 7, 9, and 10 the hook member 11c rises vertically from and is preferably formed integral with the knuckle-actuating portion 11b of the link- 115 engaging member 11, while in Figs. 5 and 6 said hook 11° extends horizontally outward from the knuckle-actuating member 11b, passing through a suitable slot or bifurcation in the face of the knuckle 4.

As a preferred means for controlling the movements of the link-engaging member 11 a horizontally-extending controlling-lever 13 is pivotally mounted upon the coupler-head, so that it has the same axis of rotation as the 125 said link-engaging member. For this purpose said rotatable lever 13 may be formed with a boss 13a, through which passes the pivot-pin 12, upon which said link-engaging member 11 is mounted, a nut 14 being em- 130

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ployed to retain said lever in proper position. One arm of the lever 13 extends toward the knuckle-actuating portion 11<sup>b</sup> of the link-engaging member 11 and is provided with a ver-5 tical lug 13b, having a reduced cylindrical extension which enters a corresponding socket or cavity in the base of the said knuckle-actuating portion or member 11<sup>b</sup>. The other arm of the controlling-lever 13 is preferably 10 formed with a slot 13°, adapted to receive and form a pin-and-slot connection with the arm 15<sup>a</sup> of the hook-coupling-operating member 15, said slot 13° being preferably of cam form to more easily permit the cooperation of the 15 parts and to permit a complete actuation of the said lever with a comparatively small movement of the operating member 15.

The hook-coupling-operating member 15 is preferably a bar or rod having an arm 15° for engagement with the slotted arm of the controlling-lever 13 and having handholds 15° at each end thereof. As a means of attaching the operating-bar 15 to the car suitable stirrups or hangers 16 may be employed, such hangers being preferably of sufficient width to permit a slight lateral movement of the said operating-bar 15 in the direction of length of the car, whereby the arm 15° of such bar may accommodate itself to the various positions of the slotted arm of the lever 13 with-

out binding upon the same.

The operating member 15 extends transversely of the car, so that one of the handles or handholds 15<sup>b</sup> is accessible from each side

35 of the car.

In the construction shown in Figs. 9 and 10 sufficient only of the novel features of my invention have been illustrated to show the applicability thereof to couplers of the type wherein the head is flexibly attached to the draft-rigging appliances, as by means of a plurality of suitably-formed stems 2<sup>a</sup>, which are pivotally connected to said coupler-head.

The construction being substantially such as hereinbefore pointed out, the operation of the device will be as follows: When the several parts of the device are in the relative position illustrated in full lines in Figs. 1, 2, 4, 5, 6, 7, 8, 9, and 10, a coupling may be 50 made with a link. In such position the bight of a link may be engaged with the hook 11° of the link-engaging member 11, the latter being locked in position by the engagement of the knuckle-actuating portion or 55 member 11<sup>b</sup> thereof and the knuckle 4, said knuckle 4 being itself locked, and therefore restrained from outward rotation by the lock 6, which obstructs the path of the knuckletail. If now the parts are in a link-coupled 6c position, as just described, and it is desired to make a coupling with a car equipped with a vertical-plane coupler of the Master Car-Builders' type or with a coupler of the character of this invention, the uncoupling-lever 9 65 may be manipulated to bring the lock 6 to an

unlocked position, after which and while said lock is in such position the hook-coupling operating member 15 is pulled or pushed longitudinally in the proper direction, depending upon which side of the car the operator 70 may stand. When the operating-bar 15 is properly actuated, the arm 15<sup>a</sup> thereof, which engages the cam-slot 13° of the controlling-lever 13, causes a rotation of said controlling-lever 13 in an uncoupling direc- 75 tion, and as the latter engages the knuckle- \* actuating portion 11<sup>b</sup> of the link-engaging member 11 such link-engaging member is rotated horizontally outward to an open or uncoupled position in which it does not ob- 80 struct the coupling movements of a knuckle, such as 4. As the link-engaging member 11, bearing the hook 11°, is rotated to an uncoupled position the knuckle 4 is also opened through the agency of the knuckle-actuating 85 portion 11<sup>b</sup> of the said member 11, the latter pressing upon the outer end of the knuckle 4, with which it contacts, until the knuckle is substantially fully opened. Such open or uncoupled position of the link-engaging mem- 90 ber 11 and knuckle 4 are illustrated in Fig. 3 and in dotted lines in Figs. 1 and 5. When the link-engaging member 11 is in its open or uncoupled position, the device may be coupled by impact with a vertical-plane coupler 95 of the Master Car-Builders' type or with a device such as this invention, in which the linkengaging member is also in an open or uncoupled position. In either case the knuckle of the coupler on the other car is caused 100 to engage the corresponding knuckle 4 in a well-known manner, the lock 6 assuming a locked position when the said knuckle is fully closed, and thus completing the coupling of the cars.

It is to be noted that the knuckle 4 of this device after having been opened, as above described, may be closed or brought to a coupled position independent of and without actuating the link-engaging member 11, the 110 latter having been rotated sufficiently far to one side to be clear of the path of the said knuckle 4 during a closing movement thereof.

Should the parts be in an open or uncoupled position and the car with which a coupling is 115 to be made be provided only with a link or chain coupling, the link-engaging member 11 may be returned to and locked in a coupled position by moving the hook-coupling-operating member or bar 15 in the proper direc- 120 tion to cause the slot-engaging arm 15<sup>a</sup> thereof to rotate the lever 13 about its pivot 12. Such rotation of the controlling-lever 13 induces a corresponding rotation of the coacting link-engaging member 11, the knuckle- 125 actuating portion 11b whereof forces the knuckle 4 to a closed position by impinging upon and forcing the tail of said knuckle inward while itself moving to a closed or coupled position. When the knuckle 4 is re- 130

turned to its coupled position, the lock 6 assumes a locked position and the link-engaging member 11 is locked in coupled position.

When lock-actuated knuckle-opening de-5 vices are employed, both the link-engaging member 11 and knuckle 4 may be rotated outward to an uncoupled position by the unlocking operation of the knuckle-locking mechanism, the said link-engaging member 10 11 by reason of its arrangement relative to ' the knuckle 4 being acted upon by the tail of the latter. So, also, by a mechanism such as this the knuckle 4 may be rotated outward to an open position independently of the link-15 engaging member 11 when the latter is in

open or uncoupled position.

The operation of a mechanism of this character such as heretofore described is as follows: The lock 6 being lifted through the 20 manipulation of the uncoupling-lever 9, the lug 7<sup>a</sup> of the member 7 gravitates into engagement with the notch or cavity 6a of the lock when said lug and notch come into apposition. In this position of the parts the 25 lock is maintained in an unlocked position until the knuckle 4 is subsequently opened. As the knuckle 4 opens the double-inclined lug 4ª upon the tail thereof engages the triplug 7<sup>b</sup> of the member 7 and rotates the lug 7<sup>a</sup> 30 backwardly out of engagement with notch 6a, the lock 6 then dropping upon the hook portion of the tail of the knuckle and being supported thereon until the knuckle is again returned to a closed position, at which time, the 35 support of the tail of the knuckle being removed, said lock 6 drops in front of the tail of the knuckle and locks the same. If the lock 6 is raised sufficiently to cause the lug 6b thereof to engage the lug 7<sup>a</sup> of the member 7, 40 the continued upward movement of said lock will cause an extended rotation of the lock set and knuckle-opener member 7 about its pivot 8, thus causing the depending finger 7° thereof to engage the rear of the knuckle-tail 45 and force said knuckle 4 to an open position. When the knuckle 4 is thus opened, the lock 6 drops upon the tail of the said knuckle and is supported thereon until returned to a

Having thus described my invention, what I claim, and desire to secure by Letters Pat-

locked position by the closing of the knuckle,

ent, is—

50 as before described.

1. In a car-coupler, the combination with 55 a coupler-head, of a plurality of relatively movable members pivotally mounted on said head, each of said members being integral and permanently mounted upon the head and being adapted to form a coupling with a 60 complementary member, and means for locking said pivotally-mounted members in coupled position.

2. In a car-coupler, the combination with a coupler-head, of a plurality of horizontally-65 movable members pivotally mounted on said

head, each of said members being integral and permanently mounted upon the head and being adapted to form a coupling with a complementary member, and means for locking said pivotally-mounted members in cou- 70 pled position.

3. In a car-coupler, the combination with a coupler-head, of a knuckle pivotally mounted thereon, and horizontally-rotatable means pivotally mounted on said head adapted to 75 engage a link, said means consisting of integral devices permanently mounted on said head.

4. In a car-coupler, the combination with a coupler-head, of a knuckle pivoted thereon, 80 and integral devices pivotally mounted on the guard-arm side of said head adapted to engage a link, said integral devices being horizontally rotatable to coupled and uncoupled

positions.

5. In a car-coupler, the combination with a coupler-head, of a knuckle pivoted thereon, a link-engaging member horizontally rotatable to coupled and uncoupled positions, means for locking said link-engaging mem- 90 ber in coupled position, and means whereby said link-engaging member may be caused to actuate said knuckle.

6. In a car-coupler, the combination with a coupler-head, of a knuckle, means for lock- 95 ing said knuckle in coupled position, pivotally-mounted link-engaging means adapted to be locked in coupled position by said knuckle and said locking means, and means whereby said link-engaging member may be caused 100 to actuate said knuckle.

7. In a car-coupler, the combination with a coupler-head, of a knuckle, and a link-engaging member adapted to actuate said knuckle.

8. In a car-coupler, the combination with a coupler-head, of a knuckle, and a link-engaging member adapted to open said knuckle.

9. In a car-coupler, the combination with a coupler-head, of a knuckle, and a link-en- 110 gaging member adapted to close said knuckle.

10. In a car-coupler, the combination with a coupler-head, of a knuckle, and a link-engaging member adapted to both open and 115 close said knuckle.

11. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said knuckle, means operative by the lock for opening said knuckle, and a lever system 120 independent of the lock-actuated opening means for opening said knuckle.

12. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said knuckle, means independent of the operation 125 of the lock for opening said knuckle, and

means for closing said knuckle.

13. In a car-coupler, the combination with a coupler-head, of a pivoted knuckle, a horizontally-rotatable member pivoted on said 130

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head, said member being rotatable to coupled and uncoupled positions and being provided with a hook integral therewith, and means for locking said horizontally-rotatable

5 member in coupled position.

14. In a car-coupler, the combination with a coupler-head, of a pivoted knuckle, a lock for said knuckle, a movable member provided with a hook, and means whereby said 10 knuckle and said movable member may be rotated to uncoupled position through the operation of said lock.

15. In a car-coupler, the combination with a coupler-head, of a knuckle, a pivoted link-en-15 gaging member, means for locking said linkengaging member in coupled position, and means for causing said link-engaging member to assume both a coupled and an uncoupled

position.

16. In a car-coupler, the combination with a coupler-head, of a knuckle, a link-engaging member pivotally mounted on said head, means for locking said knuckle and said linkengaging member in coupled position, means 25 for simultaneously unlocking said knuckle and said link-engaging member, and means for simultaneously rotating said knuckle and said link-engaging member to uncoupled positions.

17. A link-engaging member for a carcoupler provided with a pivoted knuckle, said member having a hook portion and a knuckle-actuating portion adapted to be interposed between the inner face of the outer

35 end of a knuckle and the coupler-head. 18. In a car-coupler, the combination with a coupler-head, of a knuckle, a link-engaging member horizontally rotatable to coupled and uncoupled positions and having a hook 40 portion, and means for simultaneously locking said knuckle and said link-engaging member.

19. In a car-coupler, the combination with a coupler-head, of a knuckle, a link-engaging 45 member pivotally mounted upon the guardarm side of said head, a member pivotally mounted in the same axis with said link-engaging member, and means for causing a pivotal movement of said last-named member, 50 whereby said link-engaging member is actu-

ated.

20. In a car-coupler, the combination with a coupler-head, of a knuckle, a link-engaging member pivotally mounted upon the guard-55 arm side of the coupler-head, a member pivotally mounted in the same axis with said link-engaging member, and a hook-couplingoperating member having a pin-and-slot connection with said last-named member.

21. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said knuckle, a link-engaging member pivotally mounted upon said coupler-head, a lever pivotally mounted upon the coupler-head and 65 having one arm engaging said link-engaging

member and another arm engaging a hookcoupling-operating member, and a hook-coup-

ling-operating member.

22. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said 70 knuckle, a link-engaging member pivotally mounted upon said coupler-head, a pivotallymounted lever having a cam-slot, and a hookcoupling - operating member engaging the cam-slot of said lever.

23. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said knuckle, a link-engaging member, and a telescoping connection adapted to attach said

lock to an uncoupling-lever.

24. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said knuckle, a link-engaging member adapted to close said knuckle, and means independent of the said link-engaging member for opening 85 said knuckle.

25. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said knuckle, a link-engaging member adapted to both open and close said knuckle, and means 90 independent of said link-engaging member

for opening said knuckle.

26. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said knuckle, and means for opening said knuckle, 95 the said knuckle-opening means being unaffected by the closing of said knuckle.

27. In a car-coupler, the combination with a coupler-head, of a knuckle, a link-engaging member pivotally mounted on said head, 100 means for locking said link-engaging member, and means for maintaining said locking means in unlocked position whereby said link-engaging member may be subsequently brought to uncoupled position.

28. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said knuckle, a link-engaging member pivotally mounted on said head, and means whereby said link-engaging member may be actuated 110

from both sides of the car.

29. In a car-coupler, the combination with a coupler-head, of a knuckle, a pivotallymounted link-engaging member having a columnar portion and a hook extending verti- 115 cally upward therefrom, means for simultaneously locking said knuckle and said linkengaging member in coupled positions, and means for simultaneously opening said knuckle and said link-engaging members.

30. In a car-coupler, the combination with a coupler-head, of a knuckle, an integral linkengaging member pivotally mounted on said head, and means whereby said link-engaging member may be locked in coupled position 125 while said knuckle is in coupled position, said link-engaging member being rotatable horizontally to permit the knuckle to engage a corresponding knuckle.

31. In a car-coupler, the combination with 130

a coupler-head, of a knuckle, a lock for said knuckle, and a member pivotally mounted independent of the knuckle and adapted to both open and close said knuckle.

32. In a car-coupler, the combination with a coupler-head, of a knuckle, and a pivotally-mounted link-engaging member adapted to

actuate said knuckle.

33. In a car-coupler, the combination with a coupler-head, of a knuckle, a lock for said knuckle, and a link-engaging member having

a hook portion integral therewith, said linkengaging member being adapted to be engaged and locked in coupled position by the said knuckle and to be actuated by said 15 knuckle.

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

WILLIAM McCONWAY, JR.

Witnesses:

J. H. BAILEY, GEO. W. McCandless.