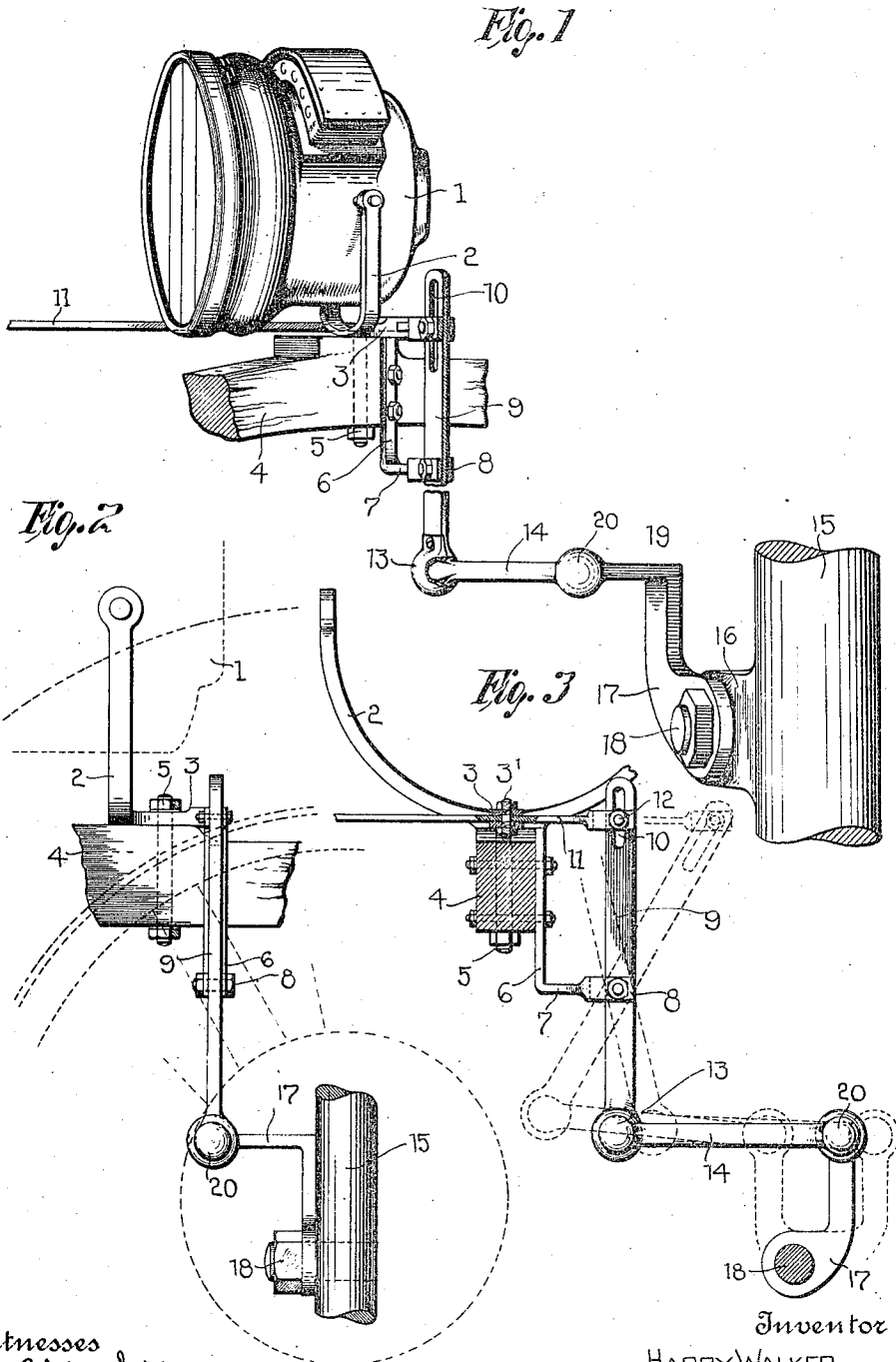


H. WALKER.
 AUTOMOBILE SPINDLE DEVICE.
 APPLICATION FILED DEC. 24, 1910.

989,457.

Patented Apr. 11, 1911.



Witnesses
 Robert M. Lutzpender

Ross J. Woodward,

Inventor
 HARRY WALKER

By E. O. Noonan,
 his Attorney.

UNITED STATES PATENT OFFICE.

HARRY WALKER, OF MAXWELL, TERRITORY OF NEW MEXICO.

AUTOMOBILE SPINDLE DEVICE.

989,457.

Specification of Letters Patent. Patented Apr. 11, 1911.

Application filed December 24, 1910. Serial No. 599,201.

To all whom it may concern:

Be it known that I, HARRY WALKER, a citizen of the United States, residing at Maxwell, in the county of Colfax and Territory of New Mexico, have invented certain new and useful Improvements in Automobile Spindle Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to vehicle lamps, and the principal object of the same is to provide an improved mechanism whereby the lamps will be turned as the front wheels are turned thus keeping the light continually 15 in the direction in which the machine is going.

This invention is illustrated in the accompanying drawing, wherein—

20 Figure 1 is a perspective view of a lamp and the means for turning the same. Fig. 2 is a view in side elevation of the improved operating mechanism. Fig. 3 is a rear view of the operating mechanism, the dotted lines showing the means for operating the device 25 as it would appear when moved to turn the lamps.

Referring to the accompanying drawings by numerals, it will be seen that the improved device is intended to be used in connection with a lamp 1 which is mounted upon a bracket 2 having a rearwardly extending arm 3 at its lower end which is pivotally mounted upon the spring 4 at the front end of the vehicle by means of the 35 bolt 5. These lamps are intended to be used principally on automobiles in which there are provided two lamps, one on each side of the motor. The construction of these lamps is identical although the operating mechanism is only connected with one of them. A bracket 6 is secured to the rear of the pivot point of the arm 3 and in alinement with its bifurcated end, and its lower end 7 is bent outwardly and terminates in a bifurcated portion 8 in which a 45 vertical arm 9 is pivotally mounted intermediate its length. The upper end of the arm 9 is provided with a longitudinal slot 10 and a horizontal rod 11 is slidably connected with the arm 9 by means of a bolt 12 which passes through the slot 10. The rod 11 is secured within the bifurcated end of the arm 3 by means of the bolt 3', and extends across the machine to the second 50 lamp, and has its end connected with the arm 3 of the second lamp so that when the

first lamp is turned the second lamp is turned in the same direction. The lower end of the arm 9 is provided with a socket point 13 by means of which an outwardly 60 extending arm 14 is connected with the arm 9, thus forming a universal joint to permit very free movement. The wheel knuckle 15 is provided with an attaching ear 16 to which a clip 17 is secured, by any desired 65 means, such for instance as a bolt 18. The clip has a forwardly extending arm 19 which terminates in a socket joint 20 by means of which the arm 14 is connected with the arm 19. In operation the wheels 70 are turned and the knuckles 15 rotate in their bearings. If the machine is being turned in the direction of the knuckle having the operating mechanism connected thereto, the link 17 moves away from the 75 vehicle body and draws the arm 14 outwardly. This rocks the arm 9 and moves the upper portion toward the vehicle body which rocks the arm 3 upon the pivot and turns the lamp in the direction of the wheel. 80 The lamp upon the opposite side of the machine is moved by the rod 11 which is connected with the extension 3 of its supporting bracket. When the machine is turned in the opposite direction, the link 17 and the 85 rod 14 are moved toward the engine. This rocks the arm 9 and moves the outer portion away from the vehicle body which turns the bracket upon its pivot and turns the lamp in the opposite direction. By having 90 the arm 9 provided with the slot 10, the bolt 12 can have a sliding connection with the arm, and thus permit the rod to work properly.

What I claim is:—

95 1. A lamp operating mechanism comprising a lamp bracket having an angled lower end adapted to be pivotally mounted upon a spring, a rod pivotally connected with said angled end, and adapted to turn said lamp, 100 a bracket adapted to be secured to the spring, a vertical arm pivotally connected with the lower end of said bracket and provided in its upper portion with a longitudinal slot, a bolt passing through said slot and 105 slidably connecting said first-mentioned rod with said vertical rod, a horizontal arm, a universal joint connecting said horizontal arm with said vertical arm, a link, a universal joint connecting said link to said horizontal 110 arm and means for connecting said link with a wheel knuckle.

2. In combination with a vehicle having
a wheel knuckle provided with an attaching
ear, a link connected with said attaching
ear, said link provided with an arm termi-
5 nating in a universal joint, a horizontal arm
connected with said universal joint and hav-
ing its other end connected by a universal
joint with a vertical arm, a bracket securing
said vertical arm to the spring of said vehicle,
10 a lamp pivotally mounted upon the spring of

said vehicle, and a rod pivotally connected
with said lamp and slidably connected with
said vertical rod.

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

HARRY WALKER.

Witnesses:

G. M. ALEXANDER,
L. DIETRICH.