Dec. 9, 1924. 1,519,022

A. H. DEISHER

CHOKER CONTROLLER

Filed Feb. 14, 1924

Fig. 1.

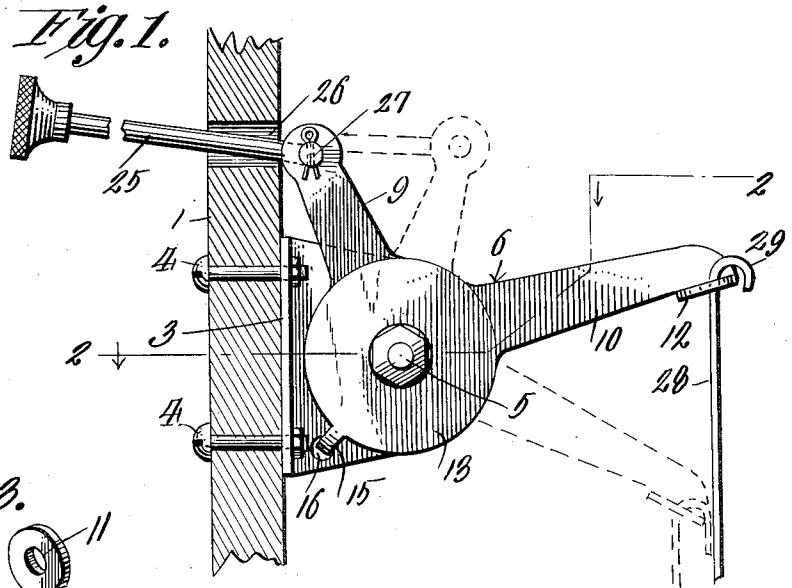


Fig. 3.

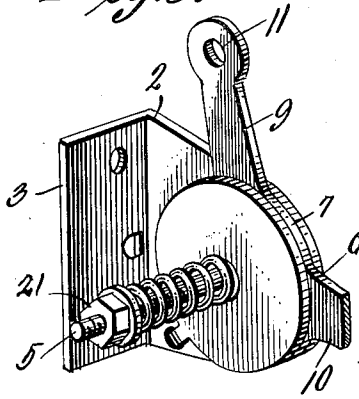


Fig. 2.

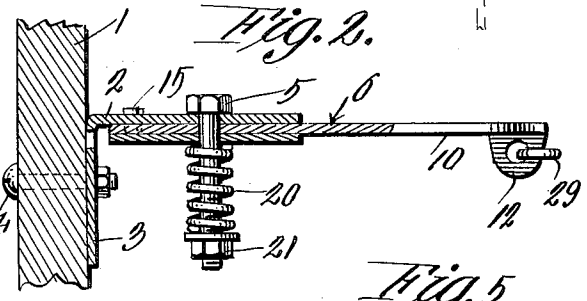


Fig. 4.

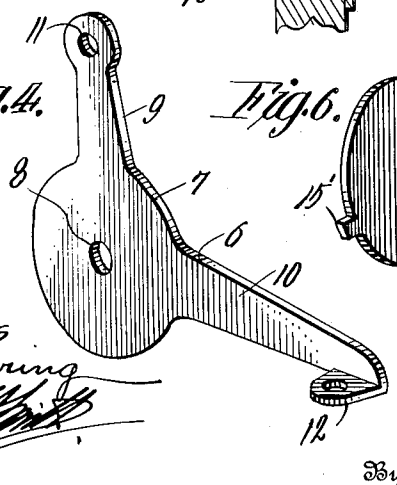


Fig. 6.

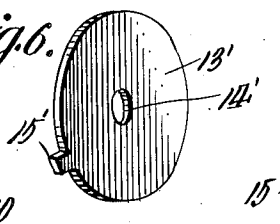
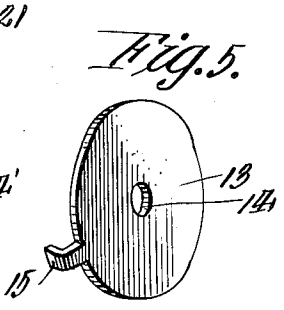


Fig. 5.



WITNESSES

Inventor

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By Richard B. Owen Attorney

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UNITED STATES PATENT OFFICE.

ARTHUR H. DEISHER, OF MIDLAND, MICHIGAN.

CHOKER CONTROLLER.

Application filed February 14, 1924. Serial No. 692,775.

To all whom it may concern:

Be it known that I, ARTHUR H. DEISHER, citizen of the United States, residing at Midland, in the county of Midland and State of Michigan, have invented certain new and useful Improvements in Choker Controllers, of which the following is a specification.

The present invention relates to a choker controller that is a device for operating the choker mechanism of a carbureter of internal combustion engines such as are used in automobiles and particularly automobiles of the Ford type. With this controller mechanism it is possible to hold the choker mechanism in various positions as may be desired. Thus in starting the engine it is desirable that preferably in cold weather to hold the choke relatively closed so as to deliver to the engine a rich mixture.

The object of the present invention is to provide a device of this nature having a simple and efficient construction which is readily operated from a convenient position and which is reliable, inexpensive to manufacture, durable, and well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description progresses, the invention resides in certain novel features of construction and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a vertical section through the dashboard of an automobile showing my choke controller attached thereto in side elevation.

Figure 2 is a horizontal section taken substantially on line 2—2 of Figure 1 looking downwardly,

Figure 3 is a fragmentary detail perspective of the choker attachment,

Figure 4 is a detail perspective of the rocker arm,

Figure 5 is a detail perspective of a frictional disk used with the controller.

Figure 6 is a similar view of a modified form of said disk.

Referring to the drawing in detail it will be seen that 1 designates a dash board to which is attached a substantially L-shaped bracket 2 the shorter plate 3 of which is fixed to the dash by means of bolts 4 or in any other suitable manner. The longer plate is provided with an aperture for receiving a bolt 5. A rocker arm 6 is constructed with a central disk 7 having an aperture 8. A pair of arms extend from this disk as indicated at 9 and 10. The arm 9 is provided with an aperture 11 at its end while the arm 10 is provided with an offset apertured ear 12. The intermediate disk portion 7 of the rocker member 6 is received on the bolt, said bolt piercing the aperture 8. A friction washer or disk 13 is provided with an aperture 14 for receiving the bolt. This disk 13 is constructed with an angular extension 15 adapted to pierce an aperture 16 provided in the larger plate of the bracket 3. A coil spring 20 is disposed about the bolt so as to impinge against the disk 13 and hold it into frictional engagement with the disk portion 7 of the rocker member 6. This spring may be tensioned by a nut 21.

In Figure 6 I have shown a slightly modified form of the friction washer or disk indicated by the numeral 13′ and provided with the opening 14′ and extension 15′ which is adapted to abut the shorter plate 3 of the bracket 2 so as to prevent rotation thereof. This modified form of the washer will be mounted in the same manner as the preferred form 13.

A bar 25 is slidable through an opening 26 in the dash board and is connected to the arm 9 by means of a pin 27 passing through the arm 11. The rod 28 leading from the choke of the carbureter terminates in a hook extension 29 passing through the apertured offset ear 12. It will thus be seen that the rocker member 6 may be readily operated by the bar 25 and will retain the position to which it has been actuated because of the frictional engagement of the washer 13 with the rocker element holding it against the larger plate of the bracket 2.

It is thought that the construction and operation of the invention will be readily understood without any more detailed description thereof. It is desired, however, to point out the numerous changes in the details of construction, and in the combination and arrangement of parts as may be resorted to without departing from the spirit of the invention or the scope thereof as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

1. In combination, a bracket provided with a pair of apertures, a bolt passing through one of the apertures, a rocker element pivoted on the bolt, a washer on the bolt, said washer provided with an extension piercing the other aperture of the bracket for preventing rotation of the washer, a spring on the bolt impinging against the washer and holding it in frictional engagement with the rocker element, and means on the bolt for tensioning said spring.

2. In a device of the class described, a bracket, a bolt supported by said bracket, a rocker element rotatable on said bolt, a washer on said bolt, a spring impinging against the washer to hold the same in frictional engagement with the rocker element and to hold the rocker element in frictional engagement with the bracket, a nut on the bolt tensioning the spring, and said extension provided on the washer adapted to engage the bracket for preventing rotation of said washer.

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

ARTHUR H. DEISHER.

Witnesses:
EDW. A. LANE,
WILMA WEBB.