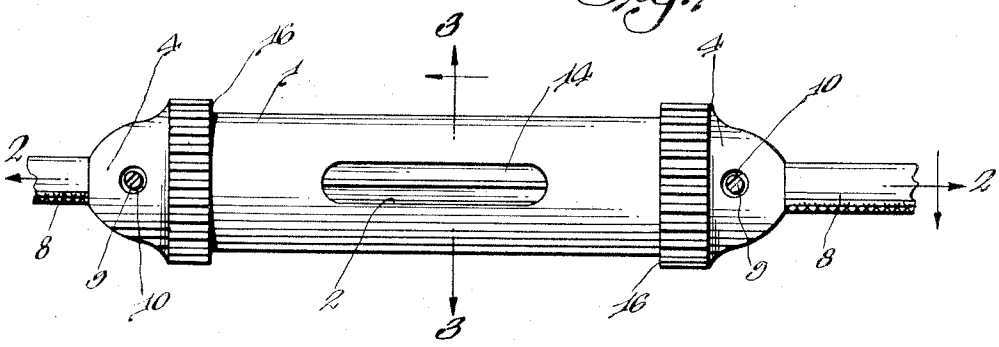
Sept. 28, 1926. 1,601,673

R. W. BRIDGMAN

FUSE HOLDER

Filed Oct. 4, 1924

Fig. 1.



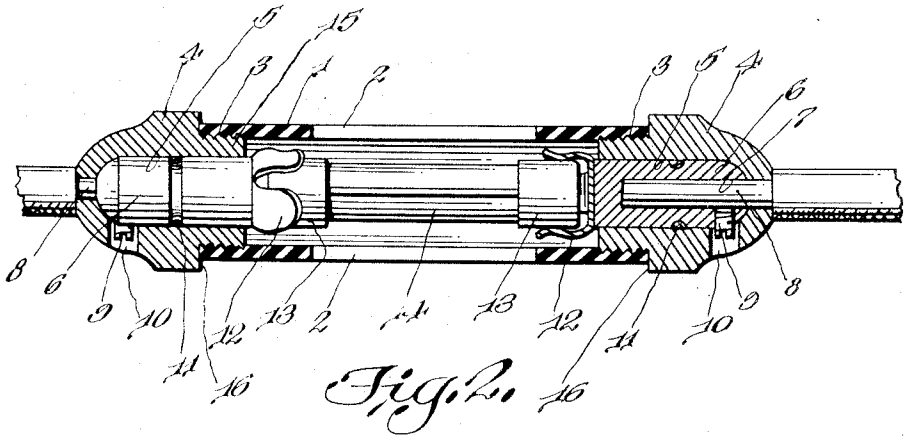


Fig. 2.

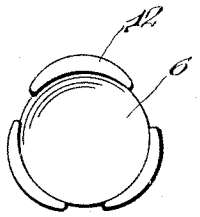


Fig. 4.

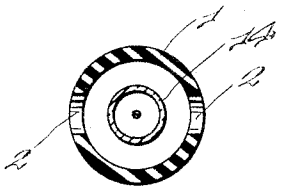


Fig. 3.

Row W. Bridgman
INVENTOR

BY Victor J. Evans
ATTORNEY

WITNESS:

Patented Sept. 28, 1926. 1,601,673

UNITED STATES PATENT OFFICE.

ROW W. BRIDGMAN, OF ALLEGAN, MICHIGAN.

FUSE HOLDER.

Application filed October 4, 1924. Serial No. 741,721.

This invention relates to new and useful improvements in fuse holders and more particularly to a device of this character especially adapted for use in electric wiring for automobiles. The main object of my invention is the provision of a fuse holder including a suitable protecting case for the fuse having means whereby the condition of the fuse may be readily ascertained.

Another object of the present invention is the provision of a fuse holder which may be quickly and readily assembled for enclosing a fuse within the holder so as to provide protection for the fuse but at the same time provide means whereby the condition of the fuse may be readily ascertained.

With the above and other objects in view, the invention consists in the novel features of construction, the combination and arrangement of parts hereinafter more fully set forth, pointed out in the claims and shown in the accompanying drawings, in which:

Fig. 1 is a side elevation of a fuse holder constructed in accordance with my invention,

Fig. 2 is a longitudinal section on the line 2—2 of Fig. 1,

Fig. 3 is a transverse section on the line 3—3 of Fig. 1, and

Fig. 4 is a front elevation of the retaining clips.

My improved fuse holder comprises a protecting sleeve 1, having longitudinal sight openings 2 and provided within each end thereof with a plurality of screw threads 3 and threaded into the ends of the sleeve 1 are the supporting plugs 4. These supporting plugs having suitable longitudinal bores 5 adapted to receive the connecting plugs 6. The plugs 6 are also provided with central bores 7 which extend inwardly from the outer ends of the plugs 6 a suitable distance to receive the connecting wires 8. These wires 8 are retained in position by means of set screws 9 which are passed thru suitable openings 10 in the plugs 4 and threaded into transverse openings in the connecting plugs 6 for engagement with the ends of the connecting wires 8.

In order to prevent longitudinal movement of the plugs 6 within the bores 5, an annulus 11 of any suitable type of adhesive is adapted to be disposed within suitable annular recesses in the periphery of the plugs 6 as clearly illustrated in Fig. 2. Attached to the inner ends of the plugs 6 are the yieldable clips 12 which engage the caps 13 on the ends of the fuses 14 for supporting the fuses in a longitudinal position within the protecting sleeve 1 and so position the fuses that they may be readily visible thru the sight openings 2.

The inner ends of the plugs 4 are provided with reduced extensions 15 externally threaded for engagement with the threads 3 in the ends of the sleeve 1 whereby the plugs may be readily screwed into the ends of the sleeve until the shoulders 16 formed by the reduced portions 15 engage the ends of the sleeve. It will be apparent from the foregoing that I have provided a simple and useful article of the character set forth whereby should only one of the fuses in the wiring system of the motor vehicle become blown, the condition of the fuses may be readily ascertained thru the sight openings so that the operator of the vehicle may readily replace the blown fuse with a new one by removing either one of the plugs 4 from the end of the sleeve 1 and replacing the old fuse with a new one. It will also be apparent that my improved holder may be quickly and readily inserted into the wiring system of a motor vehicle and the construction of the same is such that it may be manufactured and placed upon the market at a very low cost.

While I have shown and described the preferred embodiment of my invention, it will be understood that various changes and alterations may be made without departing from the spirit of the invention or the scope of the appended claims.

Having thus described my invention, what I claim is:

1. In a fuse holder, a sleeve, closure plugs removably secured in the ends of the sleeve, conducting plugs mounted within the closure plugs, resilient cups carried by the conducting plugs at the inner ends thereof and adapted for reception of the terminal elements of a fuse, the closure plugs and the conductor plugs being adapted for reception of an electrical conductor, and means for detachably securing an electrical conductor to the conductor plugs.

2. In a fuse holder, a sleeve, closure plugs removably secured in the ends of the sleeve, conducting plugs mounted within the closure plugs, resilient cups carried by the conducting plugs at the inner ends thereof and

adapted for reception of cylindrical terminal elements of a fuse structure, the closure plugs and the conducting plugs being provided with axial bores extending from their outer ends for reception of electrical conductors, and means for releasably securing the conductors in the bores of the conducting plugs.

3. A fuse holder including a sleeve having sight openings, removable plugs normally closing each end of the sleeve, conducting plugs carried by the closure plugs, having annular recesses therein, an adhesive annulus arranged in each of said recesses and cooperating with the closure plugs for retaining the conducting plugs against movement relative to same, yieldable cups arranged upon the inner ends of the conducting plugs for engaging the end of a fuse and means providing connection between the fuse and conducting plugs.

In testimony whereof I affix my signature.

ROW W. BRIDGMAN.