

Oct. 11, 1927.

H. V. M. FELL ET AL

1,645,476

ELECTRICAL CUT-OUT

Filed Aug. 10, 1922

2 Sheets-Sheet 1

FIG. 1

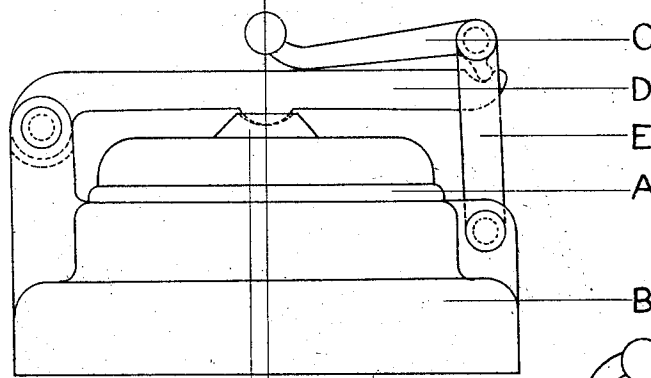


FIG. 2

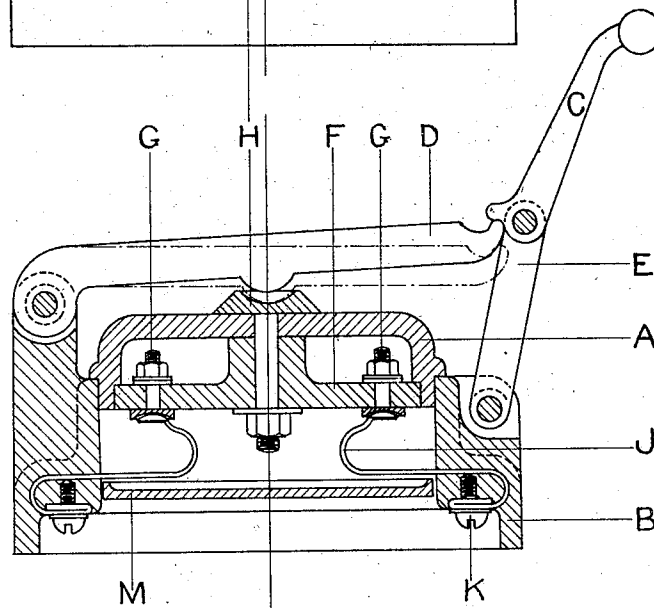
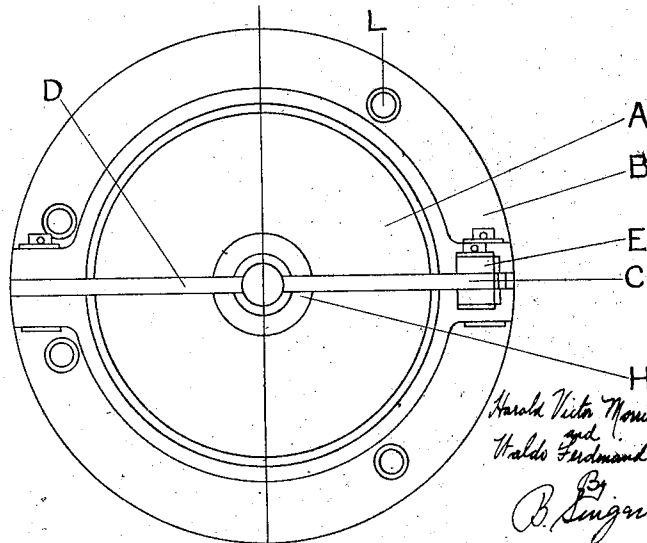


FIG. 3



H. V. M. Fell
Harold Victor Monism Fell
and
Waldo Edmund Kaulke
By
B. Singer, Atty.

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2 Sheets-Sheet 2

FIG. 4

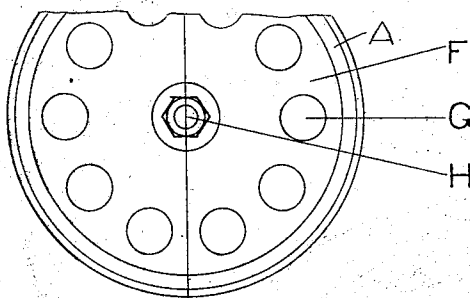


FIG. 5

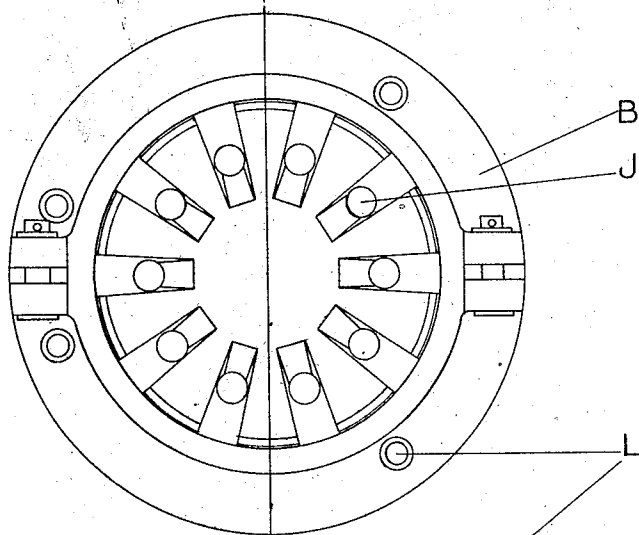
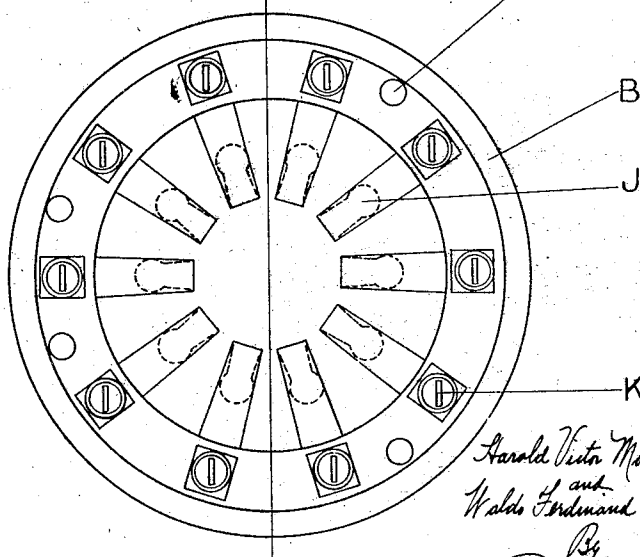


FIG. 6



Inventors
Harold Victor Morrison Fell
and
Walter Ferdinand Kaulke
By
P. Singer, Atty

UNITED STATES PATENT OFFICE.

HAROLD VICTOR MORRISON FELL, OF SAN FERNANDO, AND WALDO FERDINAND GAULKE, OF BUENOS AIRES, ARGENTINA.

ELECTRICAL CUT-OUT.

Application filed August 10, 1922, Serial No. 581,005, and in Argentina June 23, 1922.

This invention relates to a device for so disconnecting electrical circuits of a motor car or of any electrical apparatus, by means of a detachable fitting, that the motor of the vehicle, or other electrical apparatus, cannot be operated when the detachable device is taken away, the object being principally to prevent the motor car from being stolen; although it is equally applicable to electrical connections of any kind for the purpose of preventing the unauthorized or surreptitious use of the apparatus to which such connections supply current.

A preferred form of construction of the invention is illustrated in the accompanying drawings, in which:

Fig. 1 is an exterior side elevation;

Fig. 2 is a cross sectional elevation;

Fig. 3 is an exterior plan;

Fig. 4 is a plan of the reverse side of the detachable top;

Fig. 5 is a plan of the fixed base; and

Fig. 6 is a plan of the reverse side of the fixed base.

With reference to the said figures, the device (Figs. 1 and 3) consists of two main portions: a detachable top piece A (Figs. 1, 2, 3 and 4) and a fixed base B (Figs. 1, 2, 3, 5 and 6).

An arrangement of levers C and D (Figs. 1, 2, 3) and a link E (Figs. 1, 2 and 3) or other suitable means may be provided to keep the top piece A in contact with the base B when the motor or the like is in operation and to permit the easy removal of the top piece A when the motor or the like is not required to operate.

The detachable top piece A is provided with a plate F (Figs. 2 and 4), carrying a sufficient number, or more, of insulated contacts G (Figs. 2 and 4), to connect or disconnect as many of the electrical circuits of the motor car or the like, as may be necessary.

The plate F may be kept in position in the top piece A by a bolt and nut H (Figs. 1, 2, 3 and 4), or other suitable means.

The base B is provided with contacts J (Figs. 2, 5 and 6) corresponding to the contacts G of the detachable top piece A. The contacts J may be made resilient to provide good electrical contact with the contacts G. The contacts J may be secured to the base B by being imbedded in the insulation of the base B, or by other suitable means;

screws K (Figs. 2 and 6) or other suitable means being provided to connect the conductors of the electrical circuit to the contacts J.

Holes L (Figs. 3, 5 and 6), or other convenient means may be provided to secure the base B by means of screws.

A detachable bottom member M (Fig. 2) may be provided in the base B to cover up the electrical connections.

Method of operation.—The base B may be attached to any readily accessible part of the motor car—such as the dash-board—and as many circuits as are required to be connected may be attached to the screws K in the base B.

Connection between the two ends of any of the circuits in the base B is provided by the contacts G in the detachable top piece A for which purpose the contacts G should be cross connected between themselves inside the top piece A in any suitable manner to correspond with the electrical connections of the contacts J in the base B.

The electrical connections of the contacts J in the base B and the corresponding connections of the contacts G in the top A may be changed to give any desired combination, to suit the requirements of the motor or the idea of the owner.

It will be seen that when the top piece A is removed the motor or other apparatus cannot be operated, and since the combination of the contacts is only known by the owner of the car or other apparatus, or by his mechanic or chauffeur, no other person can operate the same unless it be after trying out the contacts, an operation which is too long to lend itself to the purposes of robbers or surreptitious users of the motor car or other apparatus.

It is understood that the form of construction described and represented is simply illustrative, and that the details may be varied at will, such for example as the form of the contacts, of the fastening means for the detachable top, etc., without departing from the spirit of the invention as set forth in the appended claims.

Having thus described our invention, what we claim and desire to protect by Letters Patent of the United States, is:

1. An electrical cut-out comprising an annular base, radially arranged and upwardly extending spring contacts arranged in the

base and each provided with means to connect a conductor thereto; a top piece detachably fitted in the base and provided with contacts for coaction with the base contacts
5 and each provided with means to connect a conductor thereto, and means to releasably hold the top piece in place.

2. An electrical cut-out comprising an annular base, radially arranged and upwardly
10 extending spring contacts arranged in the base and each provided with means to connect a conductor thereto; a top piece de-

tachably fitted in the base and provided with contacts for coaction with the base contacts and each provided with means to connect a
15 conductor thereto, and means to releasably hold the top piece in place, said cap having a detachable plate in its lower side to which the second named contacts are secured and means to detachably hold said plate in place. 20

Signed at Buenos Aires, Argentine Republic, this fifth day of July, A. D. 1922.

HAROLD VICTOR MORRISON FELL.
WALDO FERDINAND GAULKE.