

UNITED STATES PATENT OFFICE.

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SELECTIVE CONTROLLER FOR VEHICLE CALL SYSTEMS.

1,160,416.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN H. KLIEGL, a citizen of the United States, residing at New York, county and State of New York, have invented certain new and useful Improvements in Selective Controllers for Vehicle Call Systems, of which the following is a full, clear, and exact description.

This invention is an improvement primarily designed for use in vehicle call systems for theaters, hotels, and the like, in which call numbers are displayed at a point more or less remote from the place of exit or order desk, by the completion in prearranged combinations of a series of annunciator controlling circuits. In the systems of this kind now in vogue, the display of the numbers is effected by the closing or prearranged combinations of controlling circuits, through the instrumentality of cards or slips of paper containing perforations at predetermined points corresponding in position to one or more of a series of contact terminals of an instrument into which the cards are inserted and by the operation of which those terminals only are brought into engagement which correspond in position with the perforations in the card. In such cases the occupant or owner of an arriving vehicle is furnished with a card perforated in such manner as to effect the display in a suitable annunciator or lamp-board of the number on the card and corresponding to that on a duplicate card handed to the driver, and on ordering the vehicle the perforated card is placed in a selective circuit controller by an attendant who manipulates it to signal the number to the vehicle stand where the drivers wait for their orders. This system requires the making of two sets of cards, one of which at least, involves considerable expense, due to the character of paper required and the necessity of producing therein the proper number of properly located perforations. The system is also open to the objection that if the perforated card be folded or crumpled it may be rendered useless by such impairment for its intended purpose.

The object of the present invention is to avoid these objections and to provide a more simple and economical system, and to this end the invention consists in a selective circuit controller in which movable groups of contacts are adapted to be adjusted to given positions and caused to complete the prear-

ranged combinations of controlling circuits corresponding to and adapted to display the numbers on the printed slips which are distributed to the occupants of arriving vehicles and handed to an attendant when the vehicle is to be ordered.

The improvement may be carried out by the use of mechanism the specific character of which may be greatly varied, but the best and most practicable embodiment of the invention of which I am now aware is illustrated in the accompanying drawings, in which—

Figure 1 is a vertical cross section of my improved selective controller, Fig. 2 is a front view in elevation of the same, parts being broken away, Fig. 3 is a horizontal cross section of the device and Fig. 4 is a partly diagrammatic illustration of the complete system.

The instrument by means of which the desired combinations of controlling circuits are completed, comprises as essential elements, a base of slate or insulating material A which is to be mounted in any proper manner and position, preferably in some form of box or casing mounted on the wall. In front of the base is a plate B connected to the base by a suitable number of pivoted bars or plates C and arranged to swing between guide plates D.

To the upper part of the base A is pivoted a lever E provided with a handle F and connected by a toggle lever G with the upper edge of the plate B, so that when the handle F is drawn down, the plate B will swing upwardly and toward the base A.

Embedded in base A are binding posts H, below which are three groups of terminals designated by the letters I, J and K respectively, and alongside of each group a conducting or bus bar L. The terminals of each group I, J and K are arranged in definite positions or relations according to a prearranged plan and are connected in definite order to the binding posts H, the bars L being connected to a return wire common to all the circuits leading from said binding posts to the annunciator or lamp board where the numbers are displayed.

The electrical connections between the parts hereinabove referred to being a mere matter of commonplace knowledge on the part of anyone skilled in the art, are not illustrated in detail, in order not to obscure