Feb. 23, 1943. M. S. CAMPBELL 2,312,074

TRAFFIC SIGNAL

Filed June 21, 1941 2 Sheets-Sheet 1

FIG 1

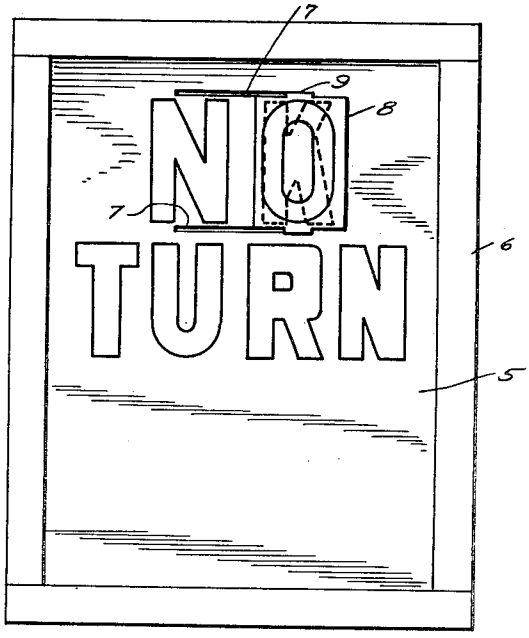
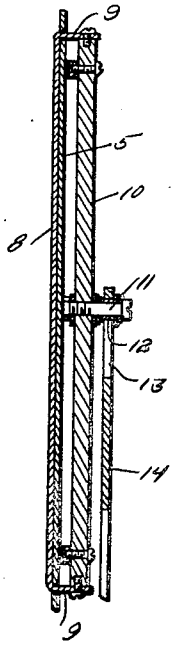


FIG 4



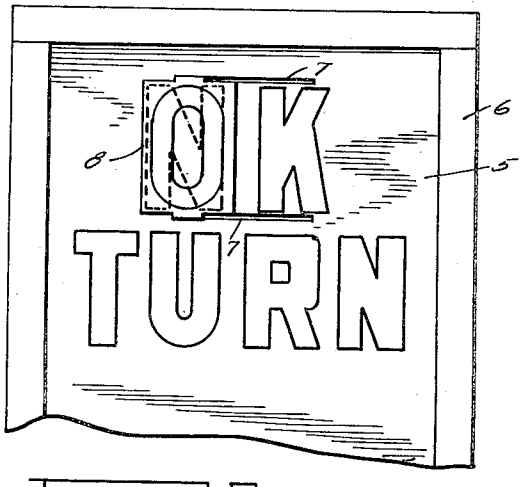


FIG 2

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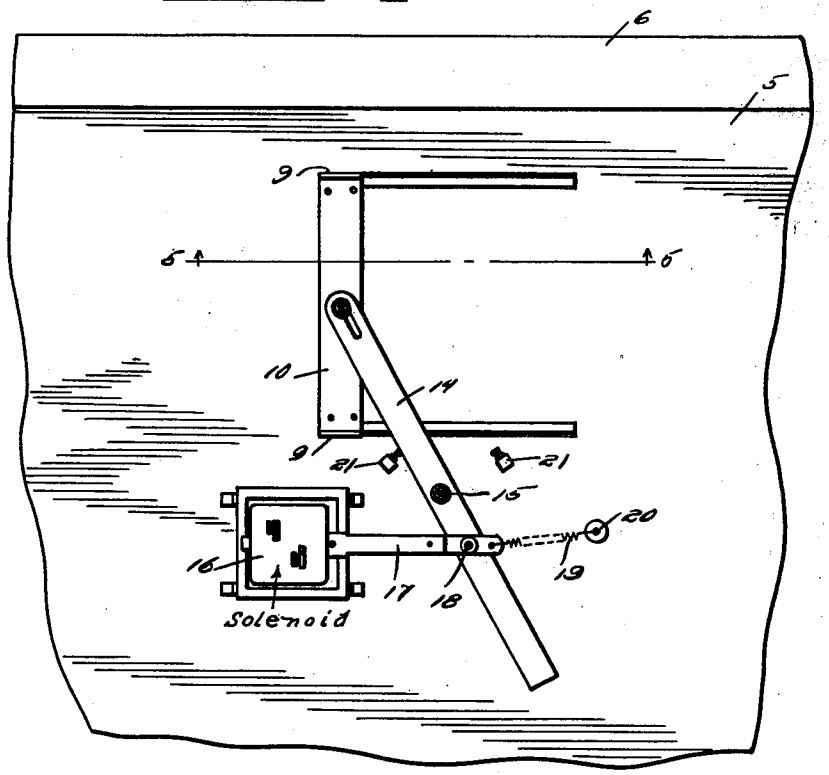
Attorney

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TRAFFIC SIGNAL

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Fig 3



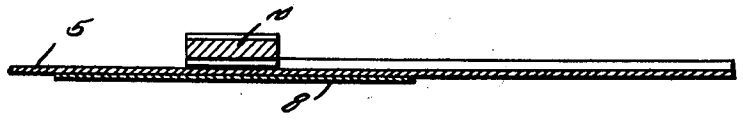


Fig 5

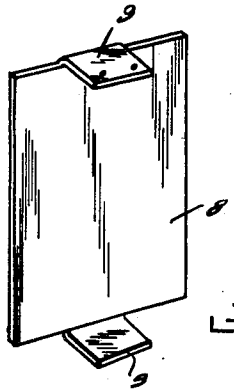


Fig 6

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UNITED STATES PATENT OFFICE

2,312,074

TRAFFIC SIGNAL

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Application June 21, 1941, Serial No. 399,165

1 Claim. (Cl. 177—327)

The present invention appertains to new and useful improvements in traffic markers and signals and more particularly to a changeable sign which can be used for giving special instructions to motorists especially at certain hours of the day. For instance, no turns are permitted at certain inter-sections during rush hours in a number of large cities. However, during intervening hours there is no reason for not permitting such turns. Obviously, the sign may be used with various other indicia such as "No—O. K.—Help Wanted," "No—O. K.—Parking," etc.

The present invention contemplates an electrically operated changeable sign which can be controlled either from a policeman's patrol box or from the usual traffic light controller box.

An important object of the invention is to provide a signal which will be clear in its designation and fully foolproof in operation.

Other objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:

Figure 1 represents a front elevational view of the sign with the parts manipulated to read "No Turn."

Figure 2 is a fragmentary front elevational view with the parts manipulated to read "O. K. Turn."

Figure 3 is a fragmentary enlarged rear elevational view showing the operating mechanism.

Figure 4 is a fragmentary vertical sectional view through the movable parts of the sign.

Figure 5 is a fragmentary horizontal sectional view taken substantially on the line 5—5 of Figure 3.

Figure 6 is a perspective view of the slide.

Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 denotes a sign plate having a suitable frame form 6 bordering the same. At a suitable point or on a suitable area of this sign plate 5 is indicia preferably reading "Turn." Above this word the plate 5 is formed with a pair of horizontally disposed and spaced parallel slots 7, 7 and described on this area of the plate 5 between the slots are the letters "N" and "K." Slidable across the letters "N" and "K" is a plate 8 having the letter "O" described thereon. A pair of fingers 9 project rearwardly from the upper and lower ends of the plate 8 and through the slots 7, 7, and behind the plate 5 these fingers 9, 9 are bridged by a bridge member 10 which has a bolt 11 passing through the intermediate portion thereof. On the bolt 11 is a bearing sleeve 12 which projects through a slot 13 in an arm 14. The arm 14 is rockable on a fulcrum member 15 projecting rearwardly from the sign plate 5.

Numeral 16 denotes a solenoid suitably mounted on the back of the plate 5 and having an armature arm 17 extending therefrom and pivotally connected as at 18 to the arm 14 below the fulcrum point 15. A tension spring 19 extends from the outer end of the arm 17 to a suitable anchoring element 20 on the plate 5.

Adjustable stops 21 and 22 are provided on the back of the plate 5 for the arm 14.

Obviously when it is desired that the sign read from "No Turn" to "O. K. Turn," the solenoid 16 is controlled and thus shift the plate 8 from over the letter "K" to a position over the letter "N." Obviously, the spring 19 is intended to return the slide 8 after the solenoid becomes de-energized.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

A changeable sign comprising a plate having a pair of letter symbols on one side thereof letter spaced apart, said plate having a pair of horizontal guide slots therein above and below said pair of symbols, respectively, a slide on said side of the plate having a pair of top and bottom guide fingers extending through said slots whereby said slide is adjustable in opposite directions into and from covering relation to either symbol of said pair, said slide having on its outer face a letter symbol complemental to either letter symbol of said pair whereby when the slide is adjusted into covering relation to either symbol of the pair, the uncovered symbol of the pair and the symbol on the slide will compose letter signals having different meanings, and means on the other side of said plate for adjusting said slide including an electro-magnetically operative lever connected to said pair of fingers.

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