

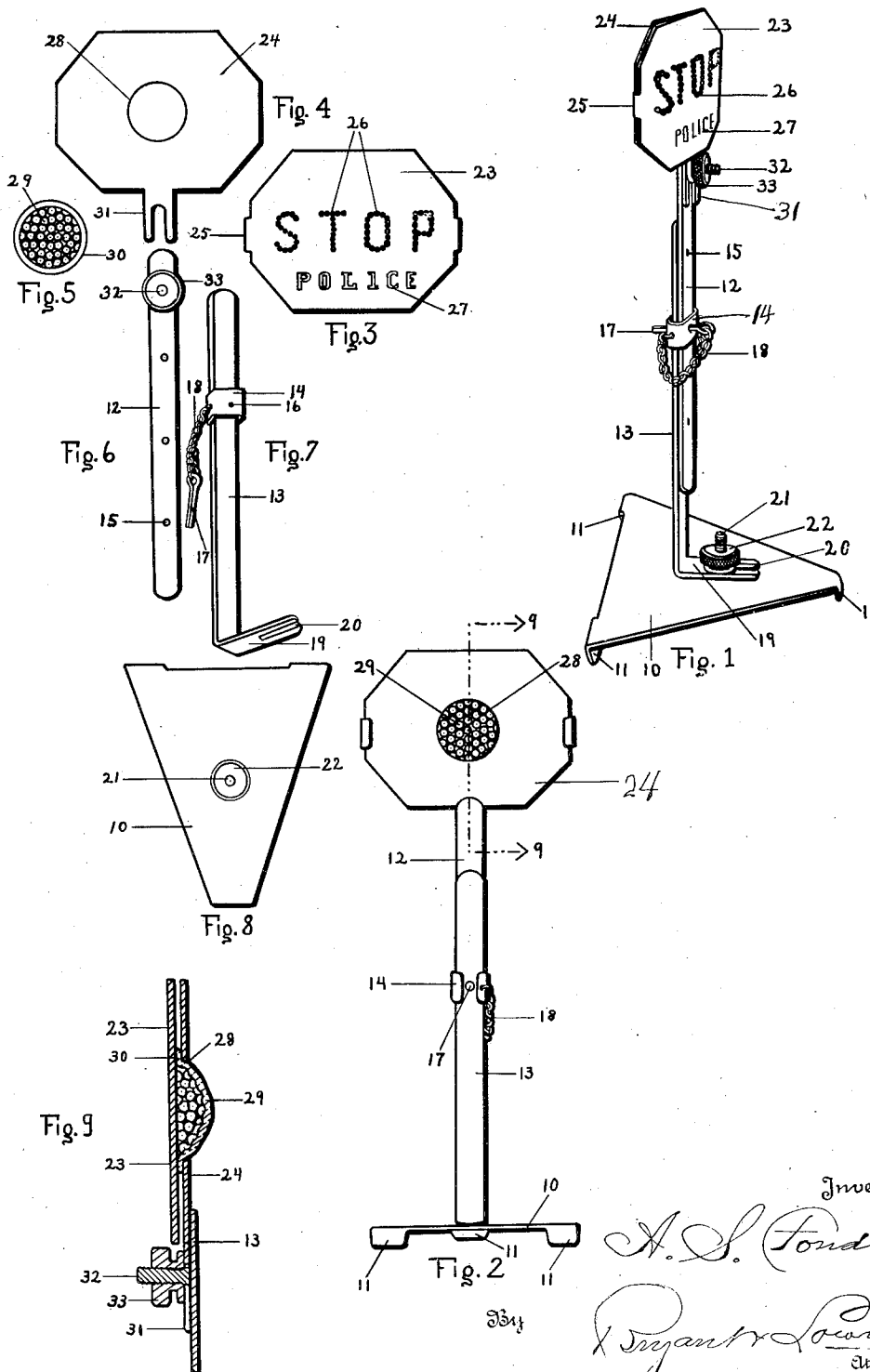
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PORTABLE TRAFFIC SIGNAL

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PORTABLE TRAFFIC SIGNAL

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1 Claim. (Cl. 40—125)

This invention relates to certain new and useful improvements in portable traffic signals.

The primary object of the invention is to provide a portable traffic control signal of the collapsible type which when collapsed occupies a minimum of space for ready transportation in a police patrol car and one which may be readily assembled and set up for service in emergencies for the control of traffic following accidents and for other temporary uses.

A further object of the invention is to provide a portable traffic signal of the foregoing character embodying a signal head of plate formation with luminous signal indicia on opposite faces thereof, rendering the signal service in both daylight and at night.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing:—

Figure 1 is a perspective view of a portable traffic signal constructed in accordance with the present invention showing the base support, the vertically adjustable standard thereon and the signal head;

Figure 2 is a rear elevational view showing a luminous lens or button viewable at the rear side of the signal head;

Figure 3 is a front elevational view of the front plate of the signal head with traffic control indicia thereon;

Figure 4 is a rear elevational view of the rear plate of the signal head showing an opening therein to accommodate the mounting of a luminous lens or button with a depending fork for attachment to the upper leg of a two-part standard;

Figure 5 is an elevational view of the luminous lens or button;

Figure 6 is an elevational view of the upper leg of the standard;

Figure 7 is a perspective view of the lower leg of the standard;

Figure 8 is a top plan view of the supporting base; and

Figure 9 is a vertical detail sectional view taken on line 9—9 of Figure 2.

The portable traffic sign comprises a base plate of any preferred configuration in plan view desired, the same being shown as triangular and having depending corner feet 11 for the steady

support of the device or for biting into the ground for the more stable support of the sign.

A two-part vertically adjustable standard is detachably engaged with the base plate 10 and comprises a pair of legs 12 and 13, the leg 13 having a tubular strap 14 anchored thereto intermediate its upper and lower ends with one side of the strap spaced from the leg 13 to provide a clearance for the reception of the leg 12. The leg 12 is vertically adjustable on the leg 13, the leg 12 having a series of spaced openings 15 therein that are adapted to register with openings 16 in the strap 14 and leg 13 for the reception of a pin 17 for holding the leg 12 in its vertically adjusted position. The pin 17 is carried by a chain 18 that is permanently anchored at one end to the tubular strap 14.

The connection between the lower end of the leg 13 and the base plate 10 includes a foot 19 projecting at right angles from the lower end of the leg 13 with the free end of the foot bifurcated as at 20 for straddling a screw 21 rising from the base plate 10, the nut 22 threaded upon the upper end of the screw 21 being engaged with the foot 19 for holding the same bindingly engaged with the base plate 10 as will be readily understood from an inspection of Figure 1.

A signal head is detachably engaged with the upper end of the leg 12 of the vertically adjustable standard and comprises a pair of plates 23 and 24 shown in detail in Figures 3 and 4, said plates being of the same shape and of any preferred configuration, the plate 23 carrying bendable ears 25 at opposite ends thereof for engagement with adjacent ends of the plate 24 for securing the two plates together. The outer face of the plate 23 has traffic signal indicia thereon indicated by the reference character 26 in the form of the word "Stop" and the letters of said word may be formed of luminous beads or the like and other traffic indicia thereon may comprise the word "Police" indicated by the reference character 27. The other plate 24 of the signal head has a central opening 28 therein and in which opening the luminous button or lens 29 shown in detail in Figure 5 is mounted, the luminous button 29 carrying a marginal flange 30 engageable with the inner face of the plate 24 surrounding the opening 28 with the luminous button retained in position by the plate 23 of the signal head as will be readily understood from an inspection of Figure 9. The lower edge of the signal plate 24 carries a depending forked leg 31 to straddle the screw 32 carried by the upper end of the leg 12

of the standard and is removably retained thereon by the nut 33 threaded onto said screw 32.

From the above detailed description of the invention, it is believed that the construction and operation thereof will at once be apparent, it being noted that the portable traffic control signal is readily knocked down for purposes of transportation and easily assembled and set up for use and while there is herein shown and described the preferred embodiment of the invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:

In a portable traffic control signal of the character described, a base plate, a vertically adjustable standard detachably engaged at its lower end with the base plate and a signal head detachably engaged with the upper end of the standard, the signal head carrying a depending forked leg and a screw and nut combination carried by the upper end of the standard engaged with the forked leg of the head for detachably securing the head to the standard.

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