

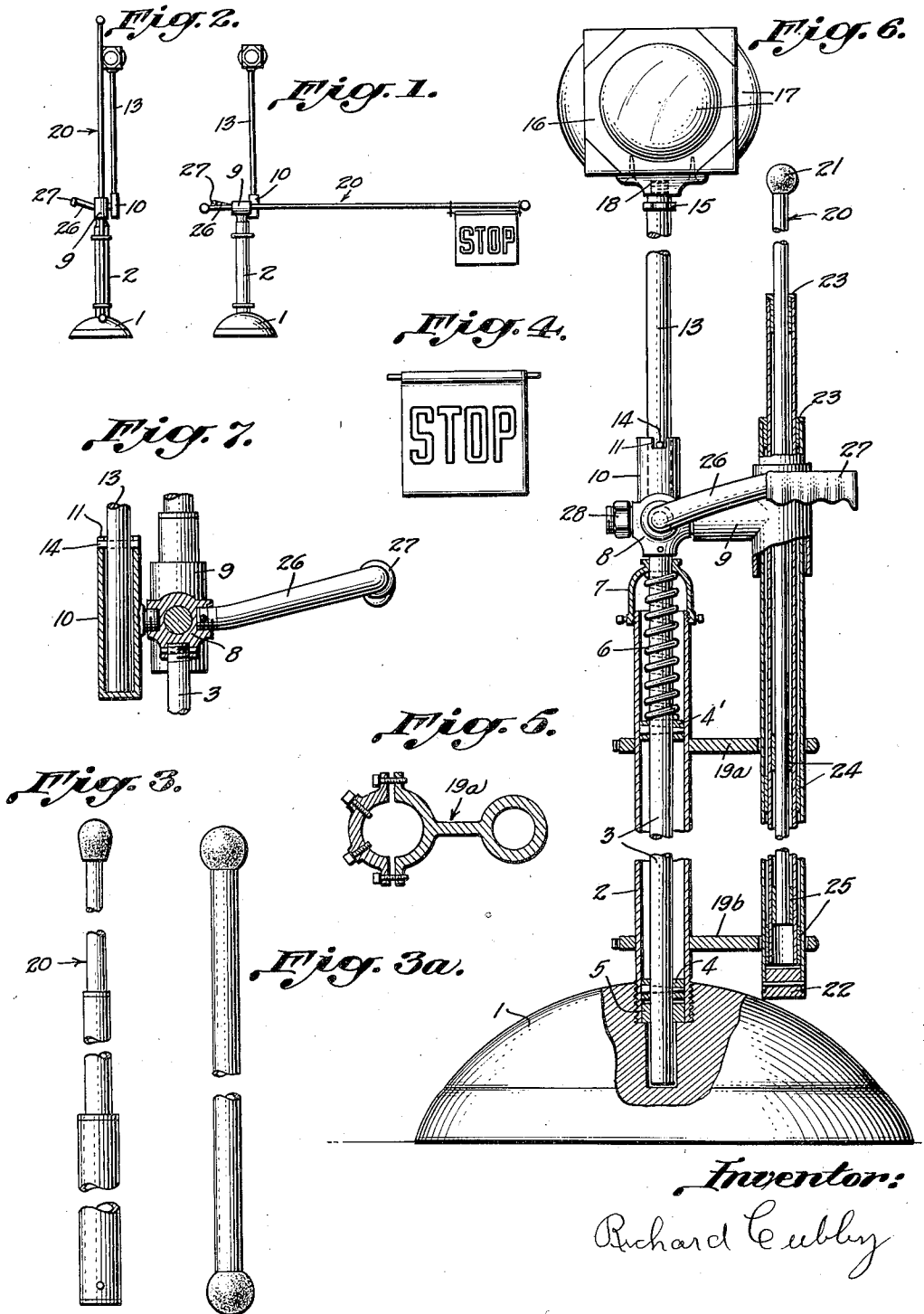
Feb. 22, 1938.

R. CUBBY

2,109,286

TRAFFIC DEVICE

Filed April 7, 1936



Inventor:
Richard Cubby

UNITED STATES PATENT OFFICE

2,109,286

TRAFFIC DEVICE

Richard Cubby, Paterson, N. J.

Application April 7, 1936, Serial No. 73,140

12 Claims. (Cl. 39—76)

This device is to be used for the protection of pedestrians, especially school children, before and while crossing a street or streets. The objects of the said device are,—to regulate traffic, and protect pedestrians (school children) at street crossings.

A brief description of the views of my drawing is as follows,—

In the drawing:

10 Fig. 1 is a side elevation of a device made in accordance with my invention with the flag stop signal in position for use.

Fig. 2 is a side elevation of the same with the parts out of position for use.

15 Figs. 3 and 3a are detailed views of alternative forms of guard pole, Fig. 3 showing the guard pole of telescopic type.

Fig. 4 is a detail showing the flag signal stop.

20 Fig. 5 is a sectional detail of fittings shown in position shown in Fig. 2.

Fig. 6 is a vertical central section of the entire device but with the guard pole supported in the position it occupies when not in use.

25 Fig. 7 is a detail showing in vertical section a five-way fitting for supporting the signal shaft and the fitting which permits proper movement to be given to the guard pole.

Referring now to the details of the drawing by 30 numerals: 1 designates a base of any desired configuration supporting a tubular stanchion 2. Within this tubular stanchion 2 there is supported an inner shaft 3, the stanchion being provided with a bottom collar 4 and an upper collar 4'. A bottom collar 5 is also provided at the 35 lower end of the aforesaid stanchion 2. At the upper end of the stanchion, I provide a cap 7 threaded to the stanchion and secured by lock nuts. A spring 6 surrounds the tubular shaft 3 and is located between the collar 4' and the cap 7 as clearly shown in Fig. 6, and frictionally engages said parts to prevent undue turning of the inner shaft 3. A five-way head fitting designated by the numeral 8 is secured at the upper 40 end of the shaft 3, this five-way head being shown in section in Fig. 7. This fitting 8 provides a support for the socket 10 to receive the upper signal support shaft 13. This shaft 13 is secured to the socket 10 by means of a pin 14 and at its upper end it is provided with a reducer 15 which is connected to and supports a flange 18 which in turn supports a cube 16 having red and green disks on its opposing sides. The five-way fitting is also provided with an arm 26 45 to which is secured a handle 27 by which the

operator may give the desired movement to the various parts through the medium of the aforesaid five-way fitting. As shown in Fig. 6, I have provided a T 9 which extends through the five-way fitting 8 and rotatably held therein by means of a lock nut 28, the construction being 5 such that the operator by grasping the handle 27 may move the entire device upon the shaft 3 as an axis. Through this T 9 is extended the guard pole either of the bamboo construction 10 shown in Fig. 3a or of the telescopic form shown in Fig. 3, the form illustrated in Fig. 6 being of the telescopic character shown in Fig. 3. This telescopic guard pole, as before stated, extends 15 through the cross-member of the T 9 and is longitudinally movable therein so that it can be moved to the position shown in Fig. 1 by extending the same vertically and turning the T 9 at right angles to the position shown in Fig. 6 until the guard pole assumes the position shown in 20 Fig. 1. When, however, it is desired to return the guard pole from the position shown in Fig. 1 to the positions shown in Figs. 2 and 6, the T 9 is turned to its vertical position shown in Fig. 6 and the telescopic guard pole is collapsed vertically and is moved downward until it passes 25 into the two fittings 19a and 19b. When in this position the guard pole is out of operative position and occupies very small space as indicated in Fig. 2. The guard pole is preferably formed with 30 a rubber tip 21 at its free end and with a cap 22 at its other end which can rest upon the base 1 when not in the position for use. The larger member of the telescopic guard pole is provided with bushings 23 which permit the members of 35 the aluminum telescopic guard pole to be extended or to be telescoped to the position shown in Fig. 6. Bushings 24 and 25 are also provided, one near the lower end and the other just below the bracket 19a. While I have stated that 40 the device may be operated by the handle 27, it will be observed that when the guard pole is moved upwardly to be free from the brackets 19a and 19b so that it can be turned to a horizontal position, the operator may move the guard pole 45 so as to leave its end projecting from the T 9 as shown in Fig. 1, in which case he is able to use the short projecting end as a handle in lieu of the handle 27. Furthermore, by placing one of his hands upon the short end and the other upon the 50 longer end, one hand on each side of the T 9, he can nicely balance the guard pole at any desired angle as emergencies may require. Where in the claims I refer to the handle, I wish it to be understood that this term is used in its broad 55

sense to include either the handle 27 or the short end of the guard pole when that is used as a handle.

From the foregoing and accompanying drawing it will be seen that I have devised a very simple form of traffic device for the protection of pedestrians and adapted especially for use at street crossings which are frequented by school children. When the device is not in use it occupies the position shown in Fig. 6, but when it is desired to use it, the operator extends the telescopic guard pole vertically from the position shown in Fig. 6 until the guard pole is free of the brackets 19a and 19b, when the operator may partially rotate the T which supports the telescopic guard pole upon its supporting bracket 8 until the guard pole occupies the horizontal position shown in Fig. 1. When it occupies this position, the operator may then through the medium of the handle 27 and the arm 26, rotate the five-way member 8 so that the guard pole with its flag stop thereon is projected out into the street or is turned parallel to the curb stone. It will be understood that, when the operator causes this movement, simultaneous movement is given to the cube 16 so that when the stop flag is across the street, the red side of the cube will be displayed to the traffic drivers and the green side exposed to the pedestrians, whereas when the device is moved so that the guard pole is parallel with the curb, the signal 16 will also be rotated so that it will show a green signal to traffic drivers and a red signal to pedestrians.

What I claim as new is:

1. In a device of the character described, the combination of a support adapted to rest upon the ground and comprising a vertical tubular standard, an inner shaft carried by said standard, a guard pole carried by said inner shaft and rotatable with respect to said tubular support into two positions, one across the path of pedestrians and the other at right angles thereto, a spring located in said vertical standard and frictionally engaging the same and preventing undue turning of said inner shaft and said guard pole.

2. In a device of the character described, the combination of a portable support adapted to rest upon the ground and capable of movement from place to place and comprising a vertical standard, a relatively light pole movably supported by said vertical standard and extending from both sides thereof and forming a handle upon one side of said standard and a guard member upon the opposite side thereof, said light pole being capable of movement into a vertical position and also movable, while horizontally held, into two positions, one across the path of pedestrians and the other at right angles to said path.

3. In a device of the character described, the combination of a support having a bracket projecting therefrom, a guard pole carried by said support and movable vertically and longitudinally into and out of said bracket, said guard pole when free from said bracket being also movable into two horizontal positions, one across the path of the pedestrian and the other at right angles to said path.

4. In a device of the character described, the combination of a support, a rotatable member at the upper end of said support having a member projecting transversely therefrom, a bracket also projecting from said support, and a guard pole longitudinally movable through said mem-

ber into and out of said bracket, the guard pole when free from said bracket being also movable into different horizontal positions, one across the path of the pedestrians and the other at right angles to said path.

5. In a device of the character described, the combination of a support adapted to rest upon the ground and comprising a vertical standard, a guard pole movably carried by said standard and movable in two positions whereby the pole may be moved across the path of the pedestrians and when in said path movable at right angles to said path, a signal pole projecting upwardly from said support, and a handle for simultaneously moving said guard pole and said signal pole.

6. In a device of the character described, the combination of a support, a guard pole carried by said support and capable of movement into a vertical position and also into a horizontal position, said guard pole also being movable, while horizontally held, into two positions, one across the path of the pedestrians and the other at right angles to said path, a signal pole projecting upwardly from said support, and a handle for simultaneously moving said guard pole and said signal pole.

7. In a device of the character described, the combination of a support having a bracket projecting therefrom, a guard pole carried by said support and movable vertically and longitudinally into and out of said bracket, said guard pole when free from said bracket being also movable into two horizontal positions, one across the path of the pedestrians and the other at right angles to said path, a signal pole projecting upwardly from said support, and a handle for simultaneously moving said guard pole and said signal pole.

8. In a device of the character described, the combination of a support, a rotatable member at the upper end of said support having a member projecting transversely therefrom, a bracket also projecting from said support, and a guard pole longitudinally movable through said member into and out of said bracket, the guard pole when free from said bracket being also movable into different horizontal positions, one across the path of the pedestrians and the other at right angles to said path, a signal pole projecting upwardly from said support, and a handle for simultaneously moving said guard pole and said signal pole.

9. In a device of the character described, the combination of a support having a bracket projecting therefrom, a shaft rotatable in said support, a member projecting horizontally from said shaft, a guard pole carried by said horizontal member and movable vertically and longitudinally therein into and out of said bracket, said guard pole when free from said bracket being also moved into two horizontal positions, one across the path of the pedestrians and the other at right angles to said path, and a handle for moving said guard pole.

10. In a device of the character described, the combination of a support having a bracket projecting therefrom, a shaft rotatable in said support, a member projecting horizontally from said shaft, a guard pole carried by said horizontal member and movable vertically and longitudinally therein into and out of said bracket, said guard pole when free from said bracket being also moved into two horizontal positions, one across the path of the pedestrians and the other at right angles to said path, a signal pole pro-

jecting upwardly from said support, and a handle for simultaneously moving said guard pole and said signal pole.

5 11. In a device of the character described, the combination of a support, a rotatable member at the upper end of said support having a member projecting transversely therefrom, a bracket also projecting from said support, and a guard pole longitudinally movable through said member into
10 and out of said bracket, the guard pole when free from said bracket being also movable into different horizontal positions.

12. In a device of the character described, the

combination of a support, a rotatable member at the upper end of said support having a member projecting transversely therefrom, a bracket also projecting from said support, a guard pole longitudinally movable through said member into and
5 out of said bracket, the guard pole when free from said bracket being also movable into different horizontal positions, a signal pole projecting upwardly from said support, and a handle for simultaneously moving said guard pole and
10 said signal pole.

RICHARD CUBBY.