

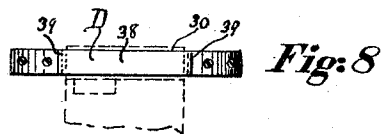
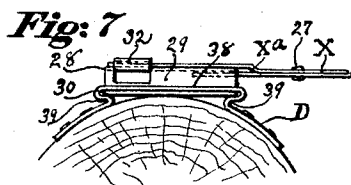
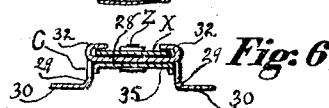
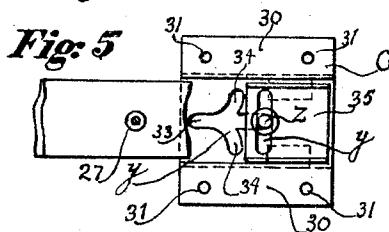
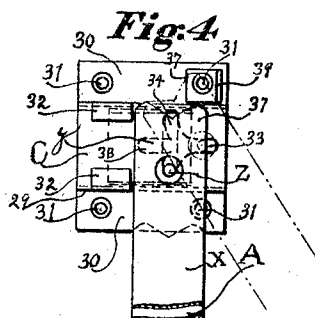
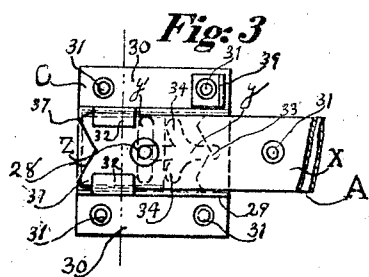
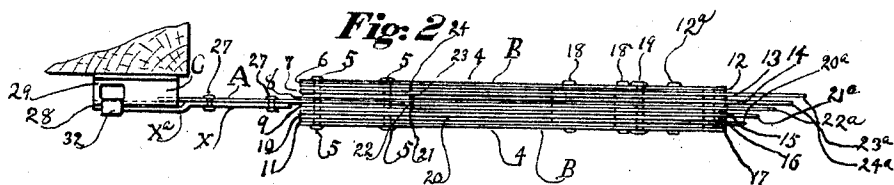
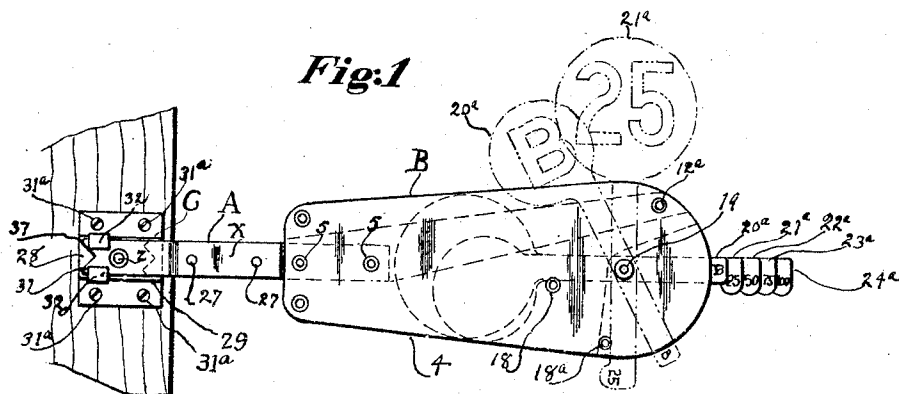
Sept. 8, 1925.

G. J. GLOVER

1,552,920

SIGNAL DEVICE

Filed Aug. 6, 1924



INVENTOR.

George J. Glover.
BY F. N. Gillett
ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE J. GLOVER, OF BINGHAMTON, NEW YORK.

SIGNAL DEVICE.

Application filed August 6, 1924. Serial No. 730,417.

To all whom it may concern:

Be it known that I, GEORGE J. GLOVER, a citizen of the United States, residing at Binghamton, in the county of Broome and State of New York, have invented certain new and useful Improvements in Signal Devices, of which the following is a specification.

My invention relates to devices whereby a person in a residence can operate a visible signal to attract the attention of tradesmen for the sale of their wares, and to provide a device of the class described which may be secured to the exterior of the residence or premises and whereby the ice man or baker or other trades-man may be notified that the occupants of the dwelling or premises wish to purchase their wares.

With these objects in view my invention consists of certain novel features of construction and arrangement of parts as will be hereinafter more particularly described and pointed out in the claims, reference being had to the accompanying drawings, in which:—

Fig. 1 is a side elevation of my device.

Fig. 2 is an edge view of my device.

Fig. 3 is a fragmentary view of part of my device.

Fig. 4 is a fragmentary view of part of my device.

Fig. 5 is a fragmentary view of part of my device.

Fig. 6 is an end view in cross section of a part of my device.

Fig. 7 is an edge view of a fragmentary part of my device.

Fig. 8 is a plan view of part of my device.

The same reference characters denote like parts in each of the several figures of the drawings.

In carrying out my invention I have a supporting arm of metal, A; on the arm A I have mounted an open casing B composed of two parallel vane shaped plates of sheet metal or other appropriate material, 4, 4 separated by an indeterminate space of sufficient width to receive the parallel guides and target members hereinafter described. The casing B is supported on the arm A by means of the bolts 5, 5 passing there-through. Mounted in the casing and extending through the upper portion thereof, I have a series of parallel guides 6, 7, 8, 9, 10, 11 and supported within the casing by

means of the bolts 5, 5 and 12^a. In the lower outer end of casing B, I have an additional group of parallel guides, 12, 13, 14, 15, 16, 17, supported in the casing B by bolts, 18 and 19; the guides mentioned are each equally spaced apart. Within the casing B, I have pivotally mounted on bolt 19, and spaced apart by means of the guides mentioned, the target members, 20, 21, 22, 23, 24, the target members have the handle projections 20^a, 21^a, 22^a, 23^a, 24^a. The exposed surface of each target, and the sides of the casing also, may be provided with suitable indicia, such as numbers indicating the number of pounds of ice from the ice man, and the letter "B" when the baker is called, the signs indicating the particular tradesman to be signaled by such target, while the handle projections of the targets are also provided with indicia as shown in Fig. 1 corresponding with the indicating matter on the target, so that when the target plates are within the casing, the party employing the device will know at a glance which target to select. The edges of the casing B being left open, the target can swing into and out of the casing, and when the target is swung into the casing, it is concealed thereby, and when swung outwardly, it is exposed as shown in Fig. 1. The bolts 18 and 18^a mounted in the casing act as stops to control the pivotal movement of the targets. Mounted on the side of the arm A by means of the bolts 27, 27 I have the extension member X which is offset at X^a to allow a space between it and arm A and slidably and pivotally mounted in this spacing and on arm A, I have the supporting fixture C. The supporting fixture C consists of the front vertical flat surface portion 28 from which extend inwardly the horizontal projecting portions 29, 29, which again project, into the vertical flanges 30, 30, having therein the screw openings 31, 31. From the inwardly projecting parts 29, 29 are cut out lugs, 32, 32, which are bent up over the vertical surface 28 and spaced apart from it and in alinement therewith, forming guides to receive the extension arm X as shown in Figs. 3, 4 and 6. Through the vertical surface 28, I have a cross shaped slot γ shown in Figs. 3, 4, and 5, having the horizontal projected openings 33, 33 and the curved vertical branch openings 34, 34 therefrom; on the inner side of slot γ I have the washer 35, having in it the elongated slot γ'

and mounted in extension arm X and passing through slot *y* in fixture C and through slot *y'* I have the pivot bolt Z. The outer end of extension arm X is projected into the double ear shaped forms 37, 37. On the face of upper flange 30 of the fixture or support C in position, I have mounted a vertical lug 39. As another part of my invention, and to enable support C to be securely mounted on curved surfaces, I have the metal straps D, D bent into a flat portion 38, with the ends projecting in an inwardly curved offset forming lugs 39, 39 to receive and hold the flanges 30, 30 of the supporting member C, while the extended ends of straps D, D* are bent to conform to the curved surface of a post or other like mounting surface.

In the operation of my device, I mount the device preferably on the inside surface of a pillar or post of the porch or of a window casing, the mounting fixture or support C being attached to the surface by means of the screws or nails 31^a, through the openings 31 in the flanges 30; the arm A with its casing B hangs downward suspended pivotally on pivot Z, as shown in Fig. 4, with pivot Z resting in the bottom of curved slot 34; the arm is prevented from side movement by contact with the lugs 32, 32.

When I wish to place the casing in horizontal position for signaling, I pivotally move the lower end of arm A and casing B outward as shown by dotted lines in Fig. 4, at the same time moving the pivot Z up the curved slot 34 and outward to the right, at the same time turning the outer end of arm A to the left and raising the casing B into a horizontal position, with the notched end of arm A facing the channel between the lugs 32, 32, I then move the end of arm A into this channel, the pivot Z passing into the outer end of the horizontal section of slot *y* and the end of arm between the lugs 32, 32 and the casing is held in rigid horizontal position, supported by the lugs 32, 32 and the bolt or pivot Z; I then grasp the handle of a target, and pull downward—if for the baker, the "B" target No. 20^a, and the pivotal turn of the target arm brings target B clearly into view; if I desire 25 pounds of ice from the ice dealer, I pull down on handle 21^a which brings target "25" in view. When the delivery has been made, I raise the target handle to its former position, and the target is moved within the casing. I then move outward the arm extension A from its channel between lugs 32, 32, the pivot Z is moved along slot *y* until it reaches the opening of the curved branch slot 34, at the same time I move downward the casing B, and the turning arm A brings the ear 37 into contact with lug 39, causing the pivot Z to

move downward into the end of curved slot 34 as shown in Fig. 4 causing the arm to again hang suspended in vertical position, the lugs 32, 32 forming a side guard preventing the arm A and casing B from a swinging or turning movement, on pivot Z. The curved outline formed by the ears and notched end of arm extension X permits of the angular and pivotal movement of the arm X without contact or locking with lugs 32, 32 as it is moved into horizontal or vertical position.

Having thus described my invention, what I claim as new and for which I desire Letters Patent is as follows:

1. A signal device, comprising a supporting arm, one end of which has mounted thereon a vane shaped casing, having an open edge and having mounted within it in alinement with the sides thereof, a series of guides spaced apart, and pivotally mounted between the guides a series of targets, each target having indicia on the face thereof, and having an arm extending beyond the end of the casing, the arm exposed having indicia thereon agreeing with indicia on the target, the arm adapted to pivotally move the target, out of the open edge of casing, the opposite end of the supporting arm of casing slidably and pivotally mounted on the slotted support bracket, by a pivot, mounted in said supporting arm, and extending through a cross shaped slot in face of support bracket, opposite parallel lugs extending from the sides of support bracket adapted to receive the end of arm when moved between them, and hold it and the casing thereon in horizontal position, the cross shaped slot adapted to guide the arm pivotally mounted therein, in outward movement from between the guide lugs, to contact with a lug mounted on the upper edge of support bracket, and again guide the arm into the lower section of the cross shaped slot, and there support it in vertical position, and means for mounting the supporting bracket on the surface of a post or other structure.

2. A signal device comprising a supporting arm, having mounted thereon and horizontally extending therefrom, a vane shaped casing having an open edge, and having mounted within the casing a plurality of guides, spaced apart and in alinement with the sides of the casing, a plurality of targets within the casing, each pivotally mounted between 2 guides, each target having indicia on the face thereof, and each target having an arm projecting beyond the end of the casing, adapted to move the target in and out of the casing, the exposed end of the arm having indicia thereon agreeing with the indicia on the target, a vertical support bracket having a raised face, from which sides project horizontally,

each side again projecting into a vertical flange, the face of the bracket having a cross shaped slot therein, the end of supporting arm slidably and pivotally mounted on the face of support bracket by a pivot therein passing through said slot, parallel hook shaped lugs projecting from the face of support bracket adapted to slidably receive and hold said arm in horizontal position, and a removable lug mounted on the flange of the support bracket to contact with and guide the pivotal movement of the arm from horizontal to vertical position, and there hold it against lateral movement, by contact with said guide lugs, and means to mount the support bracket on the face of a post or other structure.

In testimony whereof I have affixed my signature.

GEORGE J. GLOVER.