

VEHICLE BARRIER/ADVERTISEMENT SYSTEM

Field of the Invention

The present invention relates to a vehicle barrier/advertisement system and more particularly pertains to insuring proper vehicle positioning in a parking lot while providing advertisement.

Description of the Prior Art

The use of vehicle barriers and advertisements of known designs and configurations is known in the prior art. More specifically, vehicle barriers and advertisements of known designs and configurations previously devised and utilized for the purpose of advertising by conventional methods and apparatuses are known to consist basically of familiar, expected, and obvious structural configurations, notwithstanding the myriad of designs encompassed by the crowded prior art which has been developed for the fulfillment of countless objectives and requirements.

In this respect, the vehicle barrier/advertisement system according to the present invention substantially departs from the conventional concepts and designs of the prior art, and in doing so provides an apparatus primarily developed for the purpose of insuring proper vehicle positioning in a parking lot while providing advertisement.

Therefore, it can be appreciated that there exists a continuing need for a new and improved vehicle barrier/advertisement system which can be used for insuring proper vehicle positioning in a parking lot while providing advertisement. In this regard, the present invention substantially fulfills this need.

SUMMARY OF THE INVENTION

In view of the foregoing disadvantages inherent in the known types of vehicle barriers and advertisements of known designs and configurations now present in the prior art, the present invention provides an improved vehicle barrier/advertisement system. As such, the general purpose of the present invention, which will be described subsequently in greater detail, is to provide a new and improved vehicle barrier/advertisement system which has all the advantages of the prior art and none of the disadvantages.

To attain this, the present invention essentially comprises a vehicle barrier having a vertical front face, a vertical rear face, a horizontal upper face and a pair of angled intermediate faces therebetween. The barrier also has a generally horizontal lower face with a plurality of cylindrical apertures within the front face and rear face. The vehicle barrier also has a pair of end faces. The barrier is fabricated of rigid plastic with three vertical securement holes therethrough and extending between the upper and lower faces with bores on the upper face. Three cylindrical bars extend through the holes and into the ground for securement purposes such that the bars are flush with the upper

face. The barrier has a height of about 7.25 inches and a maximum width of about 7.25 inches and a length of about 60 inches. The barrier also has a plurality of weight reducing recesses in the lower face. Next the system provides a thin barrier cover is positioned over the barrier and fabricated of extruded polyvinyl chloride. The cover has a vertical front face, a vertical rear face, a horizontal upper face and a pair of angled intermediate faces there between. The cover also has a pair of end faces and a generally horizontal lower opening. The front face and rear face have a plurality of connecting slots there through and adapted to align with the cylindrical apertures of the vehicle barrier. Each intermediate face has a shallow rectilinear recess over the majority of the face. Each pair of end faces has a square recess in the face. Furthermore, the cover being sized and shaped to be securely positioned over the barrier with all of the faces of the cover having a thickness of about 0.125 inches with a thin coating of acrylic over the entirety of both the interior and exterior of the cover. Also provided is a plurality of screws fabricated of plastic. Each screw has a central extent and an end extent. The central extent has a toothed surface and the end extent has a head portion and the screws are adapted to couple the thin barrier cover to the vehicle barrier by passing through the slot of the thin barrier cover and being fixed within the aperture of the vehicle barrier. Next provided is a first thin rectilinear indicia sheet fabricated of a flexible plastic material. The sheet has an interior surface with an adhesive there on and a peel away strip

over the adhesive. The sheet has an exterior surface with indicia thereon. The first indicia sheet is about 58 inches long and about 3 inches high. The first indicia sheet is adapted to have its peel away strip removed there from and then adhered to at least one angled intermediate face of the cover within the shallow recess whereby the barrier with its cover will constitute a vehicle barrier for insuring proper vehicle positioning in a parking lot while the indicia on the cover will provide advertisements to the occupants of the vehicle and to others. Finally the system provides a second thin square indicia sheet fabricated of a flexible plastic material. The sheet has an interior surface with an adhesive thereon and a peel away strip over the adhesive. The sheet has an exterior surface with indicia thereon. The sheet is about 2 inches long and about 2 inches high. The second indicia sheet is also adapted to have its peel away strip removed there from and then adhered to at least one end face of the cover within the shallow recess.

There has thus been outlined, rather broadly, the more important features of the invention in order that the detailed description thereof that follows may be better understood and in order that the present contribution to the art may be better appreciated. There are, of course, additional features of the invention that will be described hereinafter and which will form the subject matter of the claims attached.

In this respect, before explaining at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of

construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced and carried out in various ways. Also, it is to be understood that the phraseology and terminology employed herein are for the purpose of descriptions and should not be regarded as limiting.

As such, those skilled in the art will appreciate that the conception, upon which this disclosure is based, may readily be utilized as a basis for the designing of other structures, methods and systems for carrying out the several purposes of the present invention. It is important, therefore, that the claims be regarded as including such equivalent constructions insofar as they do not depart from the spirit and scope of the present invention.

It is therefore an object of the present invention to provide a new and improved vehicle barrier/advertisement system which has all of the advantages of the prior art vehicle barriers and advertisements of known designs and configurations and none of the disadvantages.

It is another object of the present invention to provide a new and improved vehicle barrier/advertisement system which may be easily and efficiently manufactured and marketed.

It is further object of the present invention to provide a new and improved vehicle barrier/advertisement system which is of durable and reliable constructions.

An even further object of the present invention is to provide a new and improved vehicle barrier/advertisement system

which is susceptible of a low cost of manufacture with regard to both materials and labor, and which accordingly is then susceptible of low prices of sale to the public, thereby making such vehicle barrier/advertisement system economically available to the public.

Even still another object of the present invention is to provide a vehicle barrier/advertisement system for insuring proper vehicle positioning in a parking lot while providing advertisement.

Lastly, it is an object of the present invention to provide a new and improved vehicle barrier/advertisement system comprising a vehicle parking barrier has a front face and a rear face and an upper surface there between and a pair of end surfaces. The barrier has a generally horizontal lower surface positionable on a parking surface. A coupling means is to secure the parking barrier to the parking surface. A thin barrier cover has a front face and a rear face and an upper surface there between. The cover has a generally horizontal lower opening with lower edges positionable adjacent to the parking surface, the cover being sized and shaped to be securely positioned over the vehicle parking barrier. An advertisement sheet has an interior surface positioned with respect to one face of the cover, the sheet also having an exterior surface with advertising indicia thereon. An additional coupling means secures the cover to the barrier.

These together with other objects of the invention, along with the various features of novelty which characterize the

invention, are pointed out with particularity in the claims annexed to and forming a part of this disclosure. For a better understanding of the invention, its operating advantages and the specific objects attained by its uses, reference should be had to the accompanying drawings and descriptive matter in which there is illustrated preferred embodiments of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings wherein:

Figure 1 is an exploded perspective illustration of the vehicle barrier/advertisement system constructed in accordance with the principles of the present invention.

Figure 2 is a top plan view of the concrete barrier shown in Figure 1.

Figure 3 is a side elevational view of the barrier shown in Figure 2.

Figure 4 is an end elevational view of the barrier shown in Figures 2 and 3.

Figure 5 is a top plan view of the barrier cover shown in Figure 1.

Figure 6 is a side elevational view of the barrier cover shown in Figure 5.

Figure 7 is an end elevational view of the barrier cover shown in Figures 5 and 6.

Figure 8 is a perspective view of the ends of the strap and keepers.

Figure 9 is a perspective illustration of another embodiment of the present invention wherein screws are utilized.

Figure 10 is an exploded end view of another embodiment of the present invention showing where the screws attach.

Figure 11 is an exploded view of another embodiment showing how the barrier cover fits on top of the vehicle barrier..

Figure 12 is a plan view of another embodiment of the present invention taken along line 12-12 of Figure 11.

Figure 13 is a cross sectional view of the vehicle barrier taken along line 13-13 of Figure 11.

Figure 14 is a cross sectional view of the barrier cover taken along line 14-14 of Figure 11.

The same reference numerals refer to the same parts throughout the various Figures.

DESCRIPTION OF THE PREFERRED EMBODIMENT

With reference now to the drawings, and in particular to Figure 1 thereof, the preferred embodiment of the new and improved vehicle barrier/advertisement system embodying the principles and concepts of the present invention and generally designated by the reference numeral 10 will be described.

The present invention, the vehicle barrier/advertisement system 10 is comprised of a plurality of components. Such components in their broadest context include a barrier, a thin barrier cover and an advertisement sheet. Such components are

individually configured and correlated with respect to each other so as to attain the desired objective.

First provided is a vehicle barrier 14. The vehicle barrier has a vertical front face 16 and a vertical rear face 18. The vehicle barrier also has a horizontal upper face 20. The vehicle barrier further has a pair of angled intermediate faces 22. The barrier also has a generally horizontal lower face 23. The horizontal lower face has a plurality of rectilinear recesses 24. The rectilinear recesses extend between the front and rear faces with a pair of end faces 26. The barrier is fabricated of concrete. The barrier has two vertical securement holes 28. The securement holes extend between the upper and lower faces offset from the recesses. Cylindrical bars 30 extend through the holes and into the ground for securement purposes. The barrier has a height of about 5 inches and a maximum width of about 7.25 inches and a length of about 60 inches.

Provided next is a thin barrier cover 32. The thin barrier cover is positioned over the barrier. The thin barrier cover is fabricated of extruded polyvinyl chloride. The cover has a vertical front face 34 and a vertical rear face 36. The cover further has a horizontal upper face 38 and a pair of angled intermediate faces 40. The cover has a pair of end faces 42 and a generally horizontal lower opening 44. The front and rear faces have a plurality of connecting slots 46 there through. The connecting slots are aligned with the recesses. The cover is sized and shaped to be securely positioned over the barrier. All of the faces of the cover have a thickness of about 0.125 inches.

A thin coating of acrylic is provided over the entirety of both the interior and exterior of the cover.

A plurality of straps 48 is provided next. The straps are fabricated of plastic with a width of about 0.56 inches. Each strap has a central extent 54 looped around one slot and then positioned within a recess. Each strap has end extents 52. The end extents extend through an associated slot. One end extent has a toothed surface. The other end extent has a toothed keeper 50. The toothed keeper receives the one end extent and is positioned in contact with an associated slot. In this manner the cover is held in contact with the barrier.

Last provided is a thin advertisement sheet 58. The advertisement sheet is fabricated of a flexible plastic material. The sheet has an interior surface 60. The interior surface has an adhesive 62 there on. A thin peel away strip 64 is provided over the adhesive. The sheet has an exterior surface 66. The exterior surface has advertising indicia 68 there on. The sheet is about 58 inches long and about 3 inches high. The advertisement sheet is adapted to have its peel away strip removed there from and then adhered to at least one angled intermediate face of the cover. In this manner the barrier with its cover will constitute a vehicle barrier for insuring proper vehicle positioning in a parking lot. In this same manner the indicia on the cover will provide advertisements to the occupants of the vehicle and to others.

Another embodiment of the present invention 100 is disclosed in Figures 9-14. Such embodiment includes a vehicle barrier 104

having a vertical front face 106, a vertical rear face 108, a horizontal upper face 110 and a pair of angled intermediate faces 112 there between. The barrier also has a generally horizontal lower face 114 with a plurality of cylindrical apertures 116 within the front face and rear face. The vehicle barrier also has a pair of end faces 118. The barrier is generally fabricated of rigid plastic with three vertical securement holes 120 there through and extending between the upper and lower faces with enlarged bores 122 on the upper face. Three cylindrical bars 124 extend through the holes and into the ground for securement purposes such that the bars are flush with the upper face. The barrier has a height of about 4.00 inches and a width of about 6.00 inches and a length of about 80 inches. The barriers also have a plurality of weight reducing recesses 126 in the lower face.

Next the system provides a thin barrier 130 cover is positioned over the barrier and fabricated of extruded polyvinyl chloride. The cover has a vertical front face 132, a vertical rear face 134, a horizontal upper face 136 and a pair of angled intermediate faces 138 there between. The cover also has a pair of end faces 140 and a generally horizontal lower opening 142. The front face and rear face have a plurality of connecting circular holes 144 there through and adapted to align with the cylindrical apertures of the vehicle barrier. Each intermediate face has a shallow rectilinear recess 146 over the majority of the face. Each pair of end face has a square recess 148 in the face. Furthermore, the cover is sized and shaped to be securely

positioned over the barrier with all of the faces of the cover having a thickness of about 0.125 inches with a thin coating of acrylic 150 over the entirety of both the interior and exterior of the cover.

Also provided is a plurality of screws 152 fabricated of plastic. Each screw has a central extent 154 and an end extent 156. The central extent has a toothed surface 158 and the end extent has a head portion 160. The screws are adapted to couple the thin barrier cover to the vehicle barrier by passing through the circular holes of the thin barrier cover and being fixed within the aperture of the vehicle barrier.

Next provided is a first thin rectilinear indicia sheet 164 fabricated of a flexible plastic material. The sheet has an interior surface 166 with an adhesive 168 there on and a peel away strip 170 over the adhesive. The first indicia sheet has an exterior surface 172 with indicia 174 thereon. The first indicia sheet is about 58 inches long and about 3 inches high. The first indicia sheet is adapted to have its peel away strip removed there from and then adhered to at least one angled intermediate face of the cover within the shallow recess. In this manner the barrier with its cover will constitute a vehicle barrier for insuring proper vehicle positioning in a parking lot while the indicia on the cover will provide advertisements to the occupants of the vehicle and to others.

Finally the system provides a second thin square indicia sheet 180 fabricated of a flexible plastic material. The sheet has an interior surface 182 with an adhesive 184 thereon and a

peel away strip 186 over the adhesive. The sheet has an exterior surface 188 with indicia 190 thereon. The sheet is about 2 inches long and about 2 inches high. The second indicia sheet is also adapted to have its peel away strip removed there from and then adhered to at least one end face of the cover within the shallow recess. The indicia is adapted to include but not limited to advertisements, warnings and bar codes.

As to the manner of usage and operation of the present invention, the same should be apparent from the above description. Accordingly, no further discussion relating to the manner of usage and operation will be provided.

With respect to the above description then, it is to be realized that the optimum dimensional relationships for the parts of the invention, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all equivalent relationships to those illustrated in the drawings and described in the specification are intended to be encompassed by the present invention.

Therefore, the foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention.

CLAIMS

1. A vehicle barrier/advertisement system for insuring proper vehicle positioning in a parking lot while providing advertisements comprising:

a vehicle barrier having a vertical front face and a vertical rear face and a horizontal upper face and a pair of angled intermediate faces there between, the barrier also having a generally horizontal lower face with a plurality of spaced-apart apertures within the front face and rear face of the vehicle barrier and the vehicle barrier further includes a pair of end faces, the barrier having at least two spaced-apart vertical securement holes extending between the upper face and lower face of the vehicle barrier with bars extending through the holes and into the ground for securement purposes;

a barrier cover adapted to be positioned over the vehicle barrier, the cover being a vertical front face and a vertical rear face and a horizontal upper face and a pair of angled intermediate faces there between, the cover also having a pair of end faces and a generally horizontal lower opening, the front and rear faces having a plurality of connecting holes there through adapted to be aligned with the apertures of the vehicle barrier, both intermediate faces having a shallow recess over the majority of the angled intermediate face, the cover being sized and shaped to be securely positioned over the barrier;

a plurality of fasteners, each fastener having a central extent and an end extent, the end extent having a head portion and the fasteners being adapted to couple the barrier cover to the vehicle barrier by passing through the holes of the barrier cover and being fixed within the aperture of the vehicle barrier; and

a first indicia sheet, the sheet having an interior surface with an adhesive thereon and a peel away strip over the adhesive, the sheet having an exterior surface with indicia thereon, the first indicia sheet adapted to have its peel away strip removed therefrom and then adhered to at least one angled intermediate face of the cover within the shallow recess whereby the barrier with its cover will constitute a vehicle barrier for insuring proper vehicle positioning in a parking lot while the indicia on the cover will provide a message to the occupants of the vehicle and to others.

2. A vehicle barrier/advertisement system comprising:

a vehicle parking barrier having a front face and a rear face and an upper surface there between and a pair of end surfaces, the barrier having a generally horizontal lower surface positionable on a parking surface;

coupling means for securing the parking barrier to a parking surface, said coupling means being bars having a sufficient length to extend from proximate the barrier's upper surface, through an interior of the barrier and to extend into the ground a sufficient depth to properly secure the barrier;

a barrier cover having a front face and a rear face and an upper surface there between, the cover having a generally horizontal lower opening with lower edges positionable adjacent to the parking surface, the cover being sized and shaped to be removably positioned over and secured to the vehicle parking barrier;

an advertisement sheet having an interior surface positioned with respect to at least one face of the cover, the sheet also having an exterior surface with advertising indicia thereon; and

coupling means for securing the cover to the barrier.

3. The vehicle barrier/advertisement system according to Claim 2, wherein the coupling means for securing the cover to the barrier are straps, each strap being secured at one end to the front face of the barrier cover, extending through an underside of said barrier cover, and an opposite end of each strap being secured to the rear face of the barrier cover.

4. The vehicle barrier/advertisement system according to Claim 2, wherein the coupling means for securing the cover to the barrier includes a plurality of fasteners, each fastener passing through a hole in the barrier cover and binding into an aperture in the barrier.

5. The vehicle barrier/advertisement system according to Claim 2, wherein the advertisement is coupled to a recess in the at least one face of the barrier cover.

6. A vehicle barrier/advertisement system for insuring proper vehicle positioning in a parking lot while providing advertisements comprising:

a vehicle barrier having a vertical front face and a vertical rear face and a horizontal upper face and a pair of angled intermediate faces there between, the barrier also having a generally horizontal lower face with a plurality of recesses extending between the front and rear faces and with a pair of end faces, the barrier being fabricated of concrete with at least two vertical securement holes there through extending between the upper and lower faces offset from the ground with bars extending through the holes and into the ground for securement purposes, the barrier having a height of about 5

inches and a width of about 7 1/4 inches and a length of about 60 inches;

a barrier cover positioned over the barrier, the cover having a vertical front face and a vertical rear face and a horizontal upper face and a pair of angled intermediate faces there between, the cover also having a pair of end faces and a generally horizontal lower opening, the front and rear faces having a plurality of connecting slots there through aligned with the recesses, the cover being sized and shaped to be securely positioned over the barrier;

a plurality of straps, each strap having a central extent positioned within a recess, each strap having end extents extending through an associated slot, each end extent having a lower toothed surface and an associated toothed keeper receiving the end extents and positioned in contact with an associated slot for holding the cover in contact with the barrier; and

a advertisement sheet, the sheet having an interior surface with an adhesive there on and a peel away strip over the adhesive, the sheet having an exterior surface with advertising indicia there on, the advertisement sheet adapted to have its peel away strip removed there from and then adhered to at least one angled intermediate face of the cover whereby the barrier with its cover will constitute a vehicle barrier for insuring proper vehicle positioning in a parking lot while the indicia on the cover will provide advertisements to the occupants of the vehicle and to others.

7. A vehicle barrier/advertisement system comprising:

a vehicle barrier having a vertical front face and a vertical rear face and a horizontal upper face and a pair of angled intermediate faces there between, the barrier also having a generally horizontal lower face with a plurality of recesses

extending between the front and rear faces and with a pair of end faces, the barrier being fabricated of concrete with at least two vertical securement holes there through extending between the upper and lower faces offset from the ground with bars extending through the holes and into the ground for securement purposes;

a barrier cover having a vertical front face and a vertical rear face and a horizontal upper face and a pair of angled intermediate faces there between and a pair of end faces, the cover also having a generally horizontal lower opening, the cover being sized and shaped to be securely positioned over a vehicle parking barrier;

a plurality of straps, each strap having a central extent positioned within a recess, each strap having end extents extending through an associated slot in the cover, each end extent having a lower toothed surface and an associated toothed keeper receiving the end extents and positioned in contact with an associated slot for holding the cover in contact with the barrier; and

an advertisement sheet having an interior surface positioned with respect to an angled intermediate face of the cover, the sheet also having an exterior surface with advertising indicia there on.

8. The vehicle barrier/advertisement system according to claim 1, wherein the barrier has a height of about 4 inches, a width of about 6 inches and a length of about 84 inches.

9. The vehicle barrier/advertisement system according to claim 1, wherein the barrier is fabricated of a rigid polymeric material.

10. The vehicle barrier/advertisement system according to claim 1, wherein the barrier cover is made from a polymeric material.

11. The vehicle barrier/advertisement system according to claim 1, wherein at least the exterior faces of the barrier cover have a coating of acrylic.

12. The vehicle barrier/advertisement system according to claim 1, wherein the fasteners are made from a polymeric material.

13. The vehicle barrier/advertisement system according to claim 1, wherein the first indicia sheet is made from a flexible polymeric material.

14. The vehicle barrier/advertisement system according to claim 1, wherein at least one end face has a recessed portion.

15. The vehicle barrier/advertisement system according to claim 14, further comprising:

a second indicia sheet, the sheet having an interior surface with an adhesive there on and a peel away strip over the adhesive, the sheet having an exterior surface with indicia there on, the second indicia sheet being adapted to have its peel away strip removed there from and then adhered within the recessed portion of said at least one end face of the barrier cover.

16. The vehicle barrier/advertisement system according to claim 15, wherein the second indicia sheet is made from a flexible polymeric material.

17. The vehicle barrier/advertisement system according to claim 6, wherein the barrier cover is made from a polymeric material.

18. The vehicle barrier/advertisement system according to claim 6, wherein at least the exterior faces of the barrier cover have a coating of acrylic.

19. The vehicle barrier/advertisement system according to claim 6, wherein each strap is made from a polymeric material.

20. The vehicle barrier/advertisement system according to claim 6, wherein the advertisement sheet is made from a polymeric material.