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Burton

(54) **SPECIAL PORTABLE BOLLARD DEVICE KNOWN AS THE BOLD BOLLARD**

(71) Applicant: **J Brent Burton**, Fishers, IN (US)

(72) Inventor: **J Brent Burton**, Fishers, IN (US)

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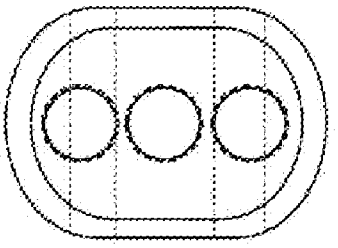
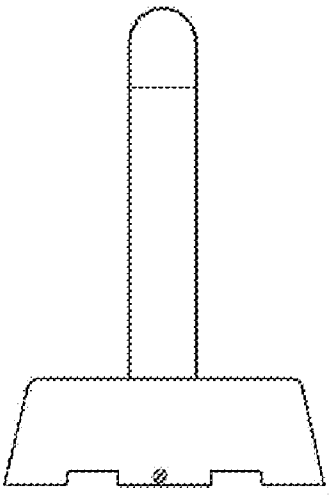
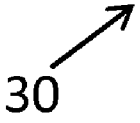
USPC **404/6**

(57) **ABSTRACT**

A device related as a security bollard to be used as a protective measure and to be mounted to a base. The portable device known as the Bold Bollard may be filled with various materials and have several specific features. available to tailor the bollard to specific needs and uses. Taught are the ways a portable and reusable bollard may be provided for easy use in the field. The preferred embodiment is comprised of a base with features; a means to fill the base with a ballast; an essentially vertical post; a means to removably secure the post to base; an alternative cap with features and a means to removably connect cap to post wherein an essentially vertical barrier comprised of durable materials is presented with a stable base and barrier is portable for deployment and use.







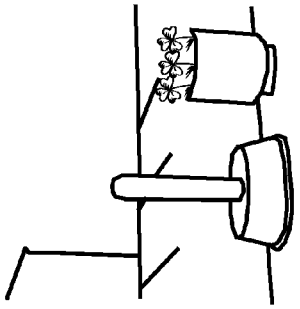


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Fig. 1D

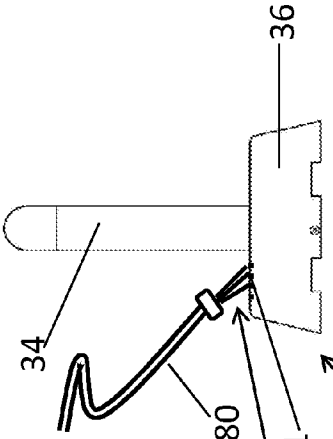

Fig. 1C

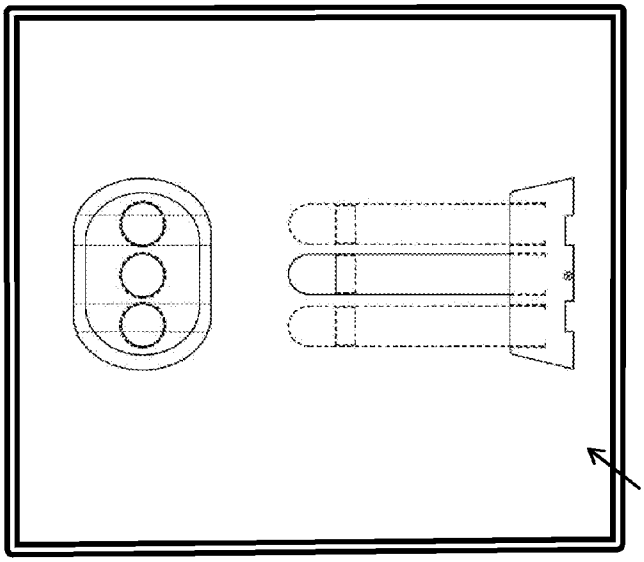

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Fig. 1B

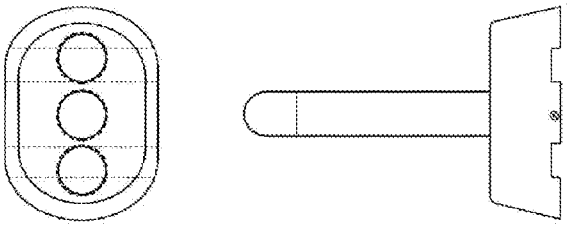

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Fig. 1A

FIG. 1

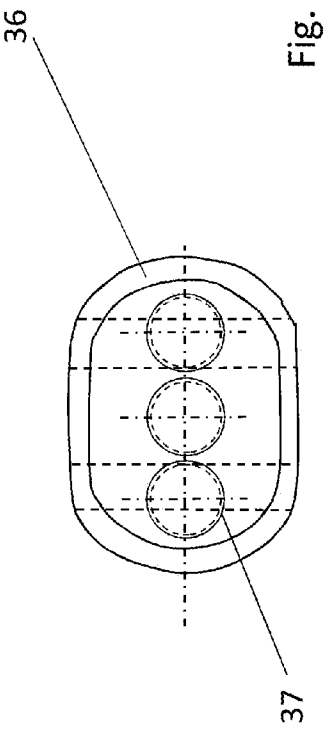

Fig. 2B

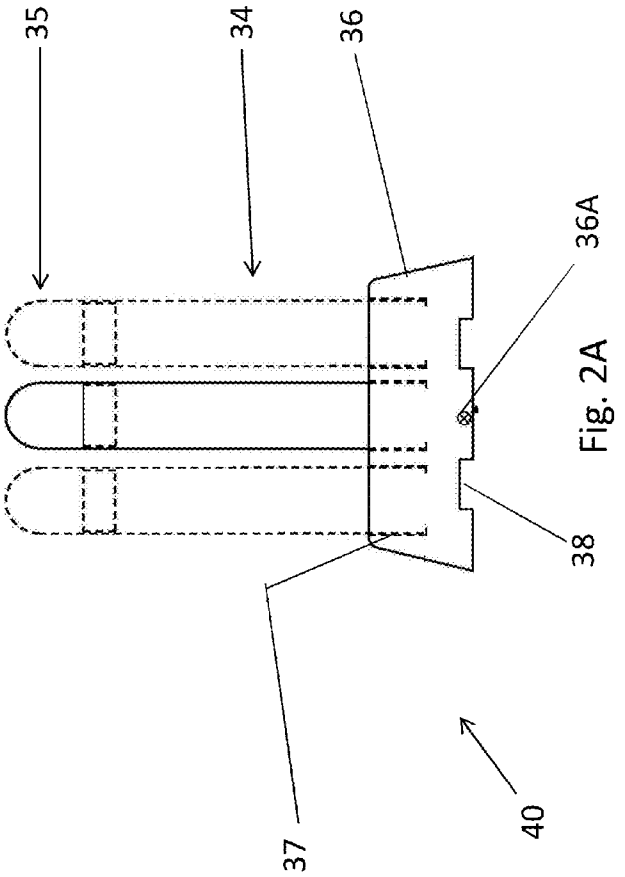

Fig. 2A

FIG. 2

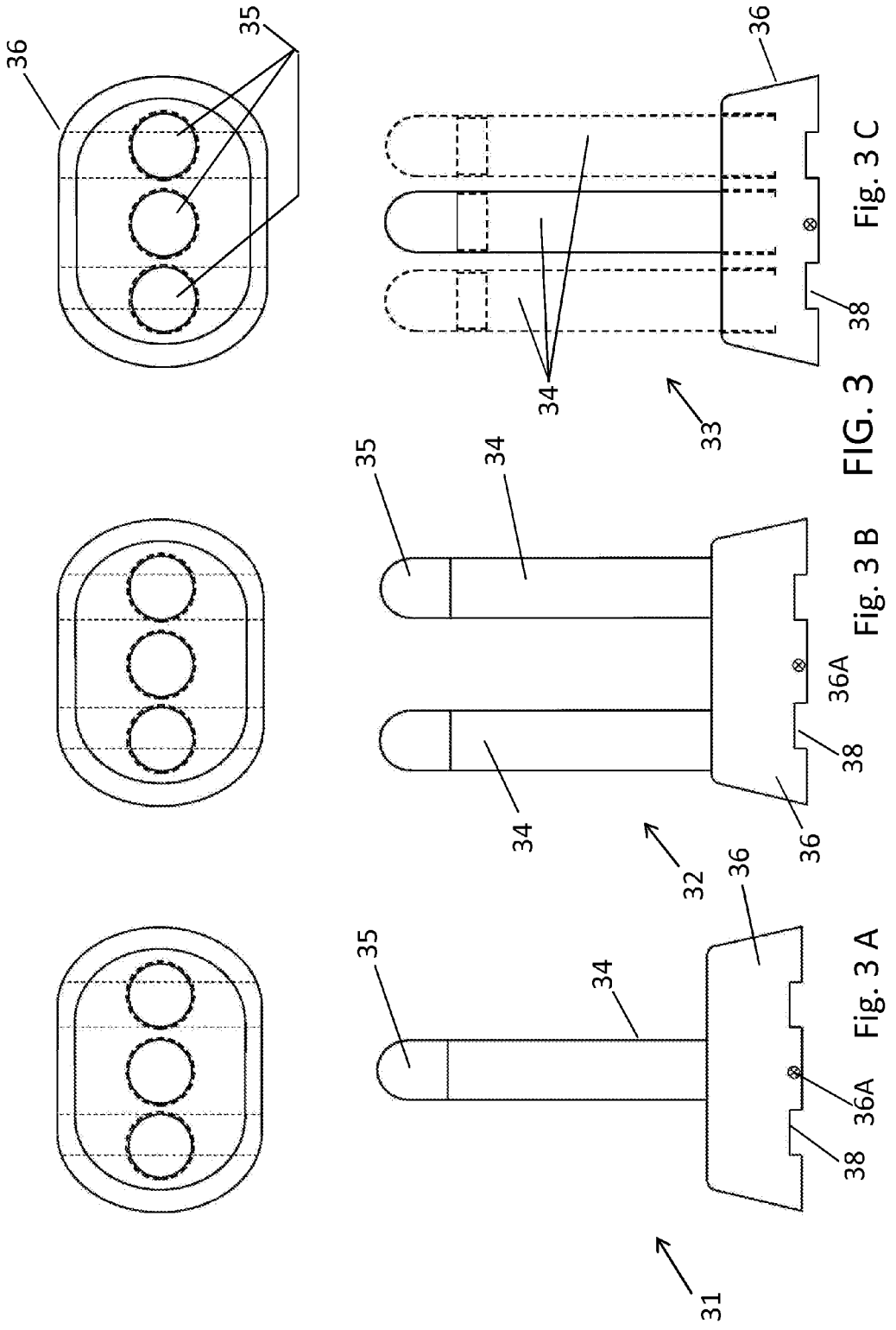
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Fig. 3 C
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36A
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32
Fig. 3 B
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36A
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Fig. 3 A

FIG. 3

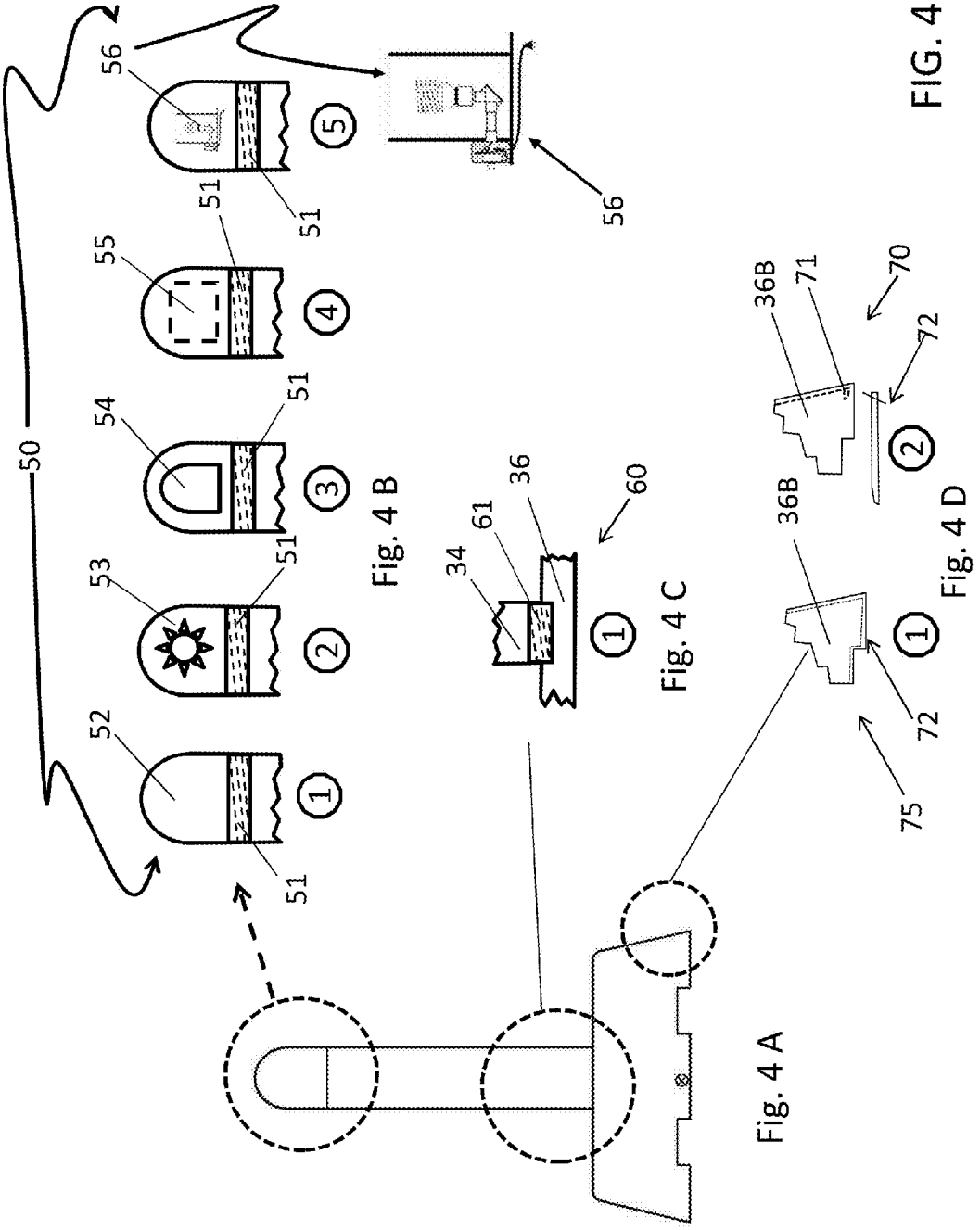
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Fig. 4 B
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36
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Fig. 4 C
36B
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72
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Fig. 4 D
Fig. 4 A
FIG. 4

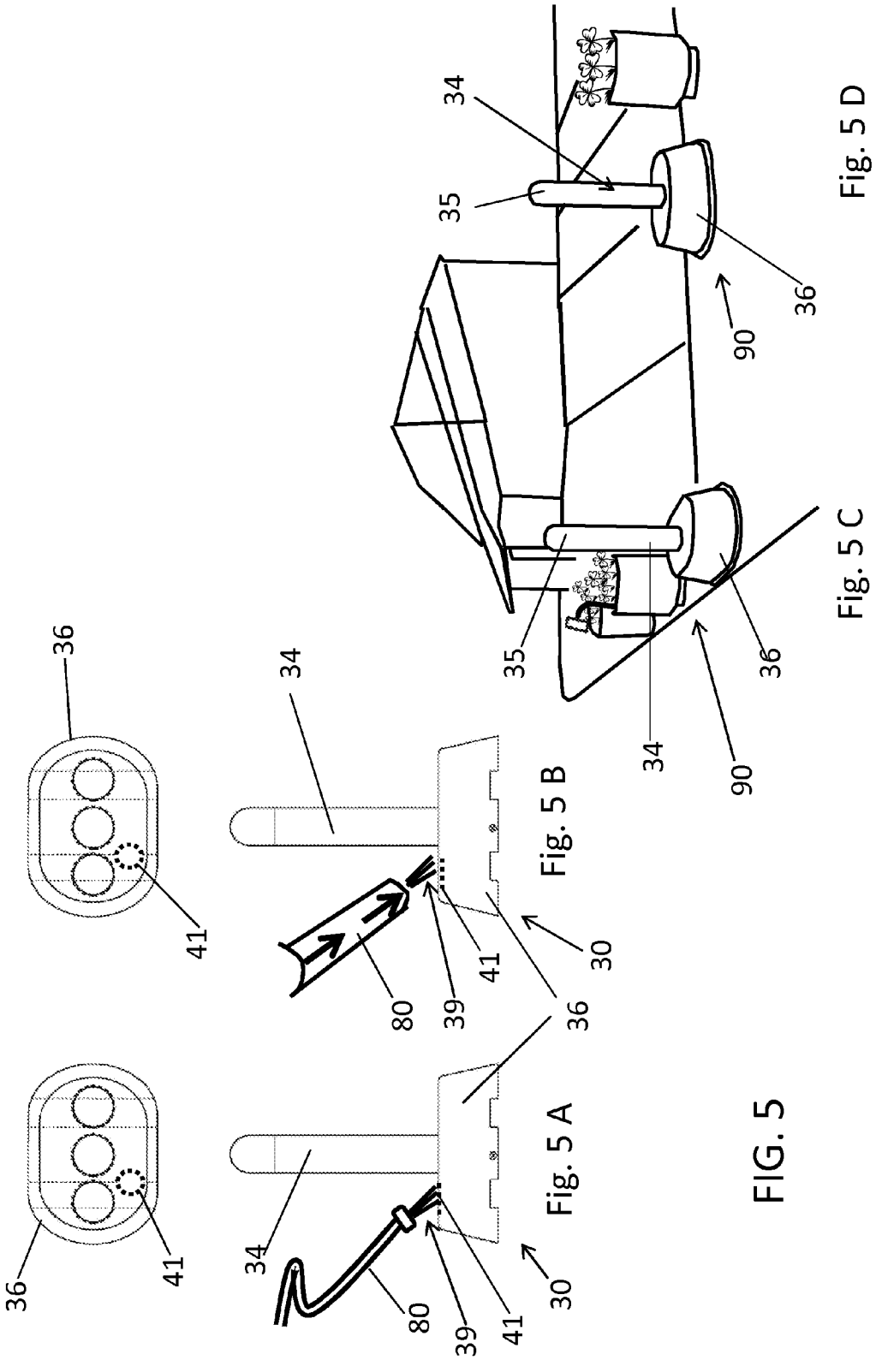
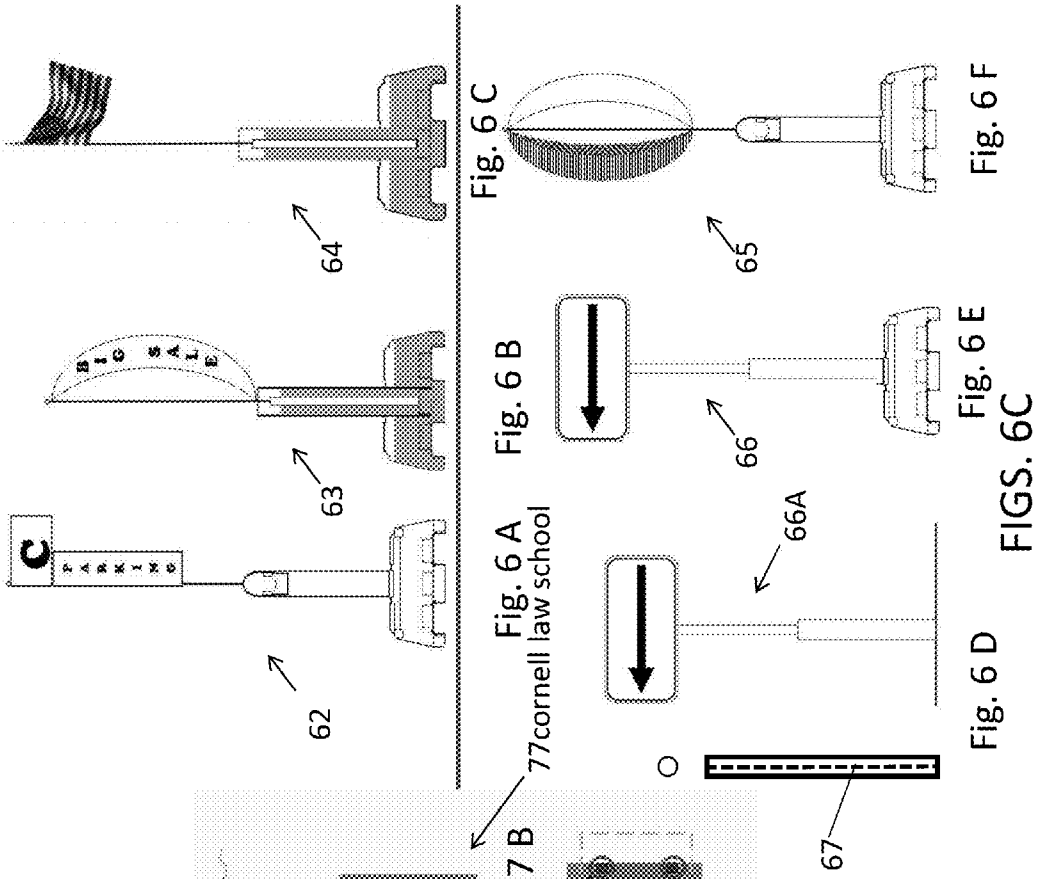


FIG. 5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66A
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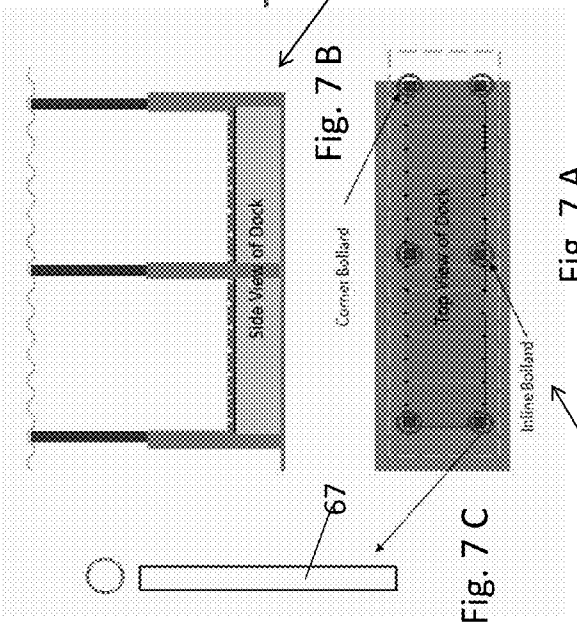
Fig. 6 A
Fig. 6 B
Fig. 6 C
Fig. 6 D
Fig. 6 E
Fig. 6 F
FIGS. 6C


Side View of Dock
Corner Bollard
Inline Bollard
67
76
Fig. 7 B
Fig. 7 A
Fig. 7 C
FIGS. 7

SPECIAL PORTABLE BOLLARD DEVICE KNOWN AS THE BOLD BOLLARD

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of Provisional Patent Application Ser. No. 61/587,810 filed Jan. 18, 2012 by J. Brent entitled "Special portable bollard device known as the Bold Bollard".

FIELD OF INVENTION

[0002] This invention relates generally to the field of barricade post assemblies and particularly to a barricade post assembly that obstructs passage in an upright position. More particularly, device is related a security bollard and to be used as a protective measure and to be mounted to a base.

[0003] The Special portable bollard device known as the Bold Bollard is a portable device that may be filled with various materials and may have several features available to tailor the bollard to specific needs and uses.

FEDERALLY SPONSORED RESEARCH

[0004] None.

SEQUENCE LISTING OR PROGRAM

[0005] None.

BACKGROUND—FIELD OF INVENTION AND PRIOR ART

[0006] 1. Background and Problem Solved

[0007] There exist today many security bollards and similar types of constructions that aim to prevent vehicular access for one reason or another. Some of these bollards are specifically designed to prevent ram-raid attacks and various other attacks using moving vehicles. Current bollards available to the public are largely made of steel and are typically filled with a concrete type mix that quite successfully stops vehicles from driving into a protected zone.

[0008] Bollards which protect structures or machines in industrial, commercial and institutional premises are known. For example, a cement post (formed in situ or in place at the location of use) is often used as a bollard, to protect an exterior wall of a building or some other structure. Another typical bollard for exterior use is a steel post which is inserted into a base, typically gravel or soil. Often, the steel post bollard is cemented in place in the base. Another known bollard for exterior use is a steel post which has been filled with cement.

[0009] Bollards for interior use, which are used to protect interior walls, structural elements of the building, or machinery or displays, also can be cement, steel, or cement-and-steel posts placed in or on a floor. However, bollards are also known which are for use in retail premises, for example, to prevent collisions of shopping carts with equipment such as freezers and refrigerators. Such known bollards are often relatively heavy, and usually are permanently installed.

[0010] However, known bollards suffer from a number of defects. Whether for interior or exterior use, the typical bollard is constructed to withstand a relatively strong blow, and because of this, many known bollards are relatively heavy and of solid construction, and most are permanently installed. Accordingly, removal of known bollards is usually difficult and expensive. Because most known bollards are installed so that their removal is only achievable with great effort and difficulty, they are not removed until there is a need for replacement. However, the temporary removal of an interior bollard is often desirable, for example, to permit easier cleaning of a floor surface in the vicinity of the bollard. Also, moving a bollard is sometimes desirable, in connection with remodeling or reconfiguration of the premises, which typically is required from time to time.

[0011] There is therefore a need for an improved bollard for mounting to a base and having full portability. For the foregoing reasons, there is a need for a barrier device which can be easily and securely installed, portable in nature, and re-useable for other needs.

[0012] 2. Prior Art

[0013] Prior art begins with U.S. Pat. No. 3,925,929 issued to Montgomery in 1975 and called a "Parking space barrier". This device teaches a barrier post to prevent unauthorized use of a private parking space includes a firmly anchored base and a post which is shiftable from an upright barrier position to a lowered inactive position. A simplified locking and release mechanism permits separating the post from its shear pin holding means by a lifting and pivoting manipulation. As compared with the Burton device, it is permanently affixed to the ground and lacks the several optional features taught herein. Another U.S. Pat. No. 5,487,618 issued to Cox in 1996 is called a "barrier device for a traffic bollard to protect detached movable objects during contact". It demonstrates a barrier device for a traffic bollard to protect movable secondary objects, such a vehicle doors, from damage during contact, such as when the doors are opened. Devices are provided which circumferentially span and connect to the bollard. Various attachment methods are taught, including the incorporation of the attachment device embedded in the device during the molding process. Similarly, a raised section in the exterior surface caused by a heat stamp process or during the molding process is possible, to form similar images. It does not teach the relatively "temporary" use and flexibility of the Burton device and appears more complex in components and installation techniques required.

[0014] Progressing forward, a U.S. Pat. No. 5,895,169 issued to Holm, et al. in 1999 was called " collapsible and removable barricade post assembly". This device teaches a removable and collapsible barricade post assembly for the restriction of vehicular traffic. The barricade post assembly has a novel base assembly that allows the post assembly to be removed from its mounting bracket which is normally permanently affixed to the ground. Alternatively, the post assembly can remain attached to its mounting bracket while being lowered to allow the passage of vehicular traffic. The permanent part of the installation varies greatly from the Burton teaching. Next, U.S. Pat. Des No. 470,598 was issued to Schneider et al. in 2003 and called a "Bollard Sleeve Cover". The design patent has no functions taught, but the art shows a simple external cover to a post and no base or ballast means such as taught herein by Burton.

[0015] Later, a U.S. Pat. No. 6,945,730 issued to Lobban in 2005 and simply called a "Bollard". It demonstrates a bollard to be positioned in a predetermined location on a base. The bollard has an elongate body and a mounting element integrally attached to the body. The mounting element is adapted to be positioned in the base in the predetermined location, to locate the body on the base. It is designed to be at a fixed location without the flexibility shown by the Burton movable

bollard. A U.S. Design Pat. No. 556,073 issued to Harris in 2007 was called a "Traffic Bollard". It teaches no functionality but shows several; post covers. It has no weighted base and ballast such a taught by Burton.

[0016] Finally, a U S Patent Application Publication numbered 20110027015 was provided by O'Connell; in 2011 and was called a "Security Bollard". It relates to a security bollard and, in particular, to a security bollard designed to be used as a protective measure to be placed in front of shop fronts and Automatic Teller Machines (ATMs) that may be subjected to ramming by vehicles. The bollard includes a first upright hollow member having an outer wall defining a chamber, and a plurality of vertical longitudinal jamming rods disposed inside the chamber. Each jamming rod has associated therewith a biasing means for biasing the members in a longitudinal direction so as to act like a disk brake on cutting implements attempting to cut through the jamming rods, and to also close the gap created by the cut should the cutting implement be retrieved and cutting attempted again. It has permanent installation taught and shear rods or heavy pins to prevent ramming vehicles to pass. It has a high degree of complexity in its configuration and design as compared with the Burton teachings. As far as known, there are no Special portable bollard devices known as the Bold Bollard or the like. It is believed that this product is unique in its design and technologies.

SUMMARY OF THE INVENTION

[0017] This invention is a Special portable bollard device known as the Bold Bollard. Taught here are the ways a portable and reusable bollard may be provided for easy use in the field. The preferred embodiment of the Special portable bollard device known as the Bold Bollard is comprised of: A base with features; a means to fill the base with a ballast; an essentially vertical post; a means to removably secure the post to base; an alternative cap with features and a means to removably connect cap to post wherein an essentially vertical barrier comprised of durable materials is presented with a stable base and barrier is portable for deployment and use.

[0018] The newly invented Special portable bollard device known as the Bold Bollard may be manufactured at low volumes by very simple means and in high volume production by more complex and controlled systems.

OBJECTS AND ADVANTAGES

[0019] There are several objects and advantages of the Special portable bollard device known as the Bold Bollard. There are currently no known bollards or security barriers that are effective at providing the objects of this invention.

[0020] The Special portable bollard device known as the Bold Bollard has several advantages and benefits. As an example and not as a limitation to the scope and spirit of this invention, some of these benefits are in the following Table.

Item	Advantage
1	Portable
2	Various fill materials such as concrete, liquid (water), gravel an the like
3	Versatile uses
4	Packaged easily
5	Easy to transport
6	Fast to assemble and put in use without tools and special equipment

[0021] Finally, other advantages and additional features of the present Special portable bollard device known as the Bold Bollard will be more apparent from the accompanying drawings and from the full description of the device. For one skilled in the art of bollard and barrier devices for vehicles, it is readily understood that the features shown in the examples with this product are readily adapted to other types of barrier and bollard-type systems and devices.

DESCRIPTION OF THE DRAWINGS—FIGURES

[0022] The accompanying drawings, which are incorporated in and constitute a part of this specification, illustrate an embodiment of the Special portable bollard device known as the Bold Bollard that is preferred. The drawings together with the summary description given above and a detailed description given below serve to explain the principles of the Special portable bollard device known as the Bold Bollard. It is understood, however, that the Special portable bollard device known as the Bold Bollard is not limited to only the precise arrangements and instrumentalities shown.

[0023] FIGS. **1** A through **1** D are sketches of the general portable bollard device known as the Bold Bollard.

[0024] FIGS. **2** A and **2** B are design sketches of the portable bollard device with components and noted features.

[0025] FIGS. **3** A through **3** C are sketches of a single, double, and triple prototype with the components and features shown from generally a top view.

[0026] FIGS. **4** A through **4** D are sketches of alternative features shown from generally a side section.

[0027] FIGS. **5** A through **5** D are sketches of a portable bollard device during fill and in operation.

[0028] FIGS. **6** A through **6** F are sketches of a portable bollard device in various applications.

[0029] FIGS. **7** A through **7** C are sketches of a portable bollard device in a marine application.

DESCRIPTION OF THE DRAWINGS—REFERENCE NUMERALS

[0030] The following list refers to the drawings:

TABLE

Reference numbers

Ref #	Description
30	Bollard - Special portable bollard device known as the Bold Bollard
31	Single Configuration of bollard
32	Double Configuration of bollard
33	Triple Configuration of bollard
34	Post of bollard
35	Cap of bollard
36	Base of bollard
36A	Base Drain
36B	Side wall only of base (separate from bottom 72)
37	Aperture for Post
38	Fork Truck Recess
39	Fill Material such as water, concrete, pea gravel or the like
40	Prototype Bollard Sketch

TABLE-continued

Reference numbers

Ref #	Description
41	Fill aperture
50	Cap Alternative
51	Threaded/means to connect Post and Cap (threaded, stepped, or equal)
52	Plain Smooth Top
53	Light (Constant or Flashing)
54	Open Aperture for Chain, Rope, etc.
55	Black Box Container (Surveillance, Drop Box, Etc.)
56	Fluorescent Light Option
60	Separate Post and Base Connection
61	Means to Connect Post 34 to Base 36
62	Use as a Parking lot zone marker
63	Use as a big banner sign base
64	Use as a flag pole base
65	Use as a sight display/attention marker
66	Use as an information/directional base - with base
66A	Use as an information/directional base - without base
67	Split pole cover for sign posts and marine application (with and without base)
70	Separate Base and Bottom Sheet
71	Means to Connect Base and Bottom
72	Bottom Sheet
75	Integral Base and Bottom
76	Top view of Marine application
77	Side view if Marine application
80	Means to fill ballast such as a hose (liquids), shovel or chute (flow able solids)
90	Bollard in Operation

DETAILED DESCRIPTION OF PREFERRED EMBODIMENT

[0031] The present development is a Special portable bollard device known as the Bold Bollard. This invention relates generally to the field of barricade post assemblies and particularly to a barricade post assembly that obstructs passage in an upright position. More particularly, device is related a security bollard and to be used as a protective measure and to be mounted to a base. The device is a portable device and may be filled with various materials. Further, it may have several features available to tailor the bollard to specific needs and uses.

[0032] The advantages and benefits are, succinctly, a device that is:

[0033] Portable;

[0034] May be filled with various materials such as concrete, liquid (water), gravel and the like;

[0035] Is versatile uses;

[0036] Is packaged easily;

[0037] Is easy to transport; and

[0038] Is fast to assemble and put in use without tools and special equipment.

[0039] The preferred embodiment of the Special portable bollard device **30** known as the Bold Bollard is comprised of: A base **36** with features; a means **80** to fill the base **36** with a ballast **39**; an essentially vertical post **34**; a means **61** to removably secure the post **34** to base **36**; an alternative cap **35** with features and a means **51** to removably connect cap **35** to post **34** wherein an essentially vertical bollard **30** comprised of durable materials is presented with a stable base and barrier is portable for deployment and use.

[0040] There is shown in FIGS. **1-5** a complete description and operative embodiment of the Special portable bollard device known as the Bold Bollard **30**. In the drawings and illustrations, one notes well that the FIGS. **1** A and B and FIGS. **2** through **4** demonstrate the general configuration and use of this product. The various example uses are demonstrated in FIGS. **1** C and D and FIG. **5** and these are explained in the operation and use section, below.

[0041] The accompanying drawings, which are incorporated in and constitute a part of this specification, illustrate an embodiment of the Special portable bollard device known as the Bold Bollard **30** that is preferred. The drawings together with the summary description given above and a detailed description given below serve to explain the principles of the Special portable bollard device known as the Bold Bollard **30**. It is understood, however, that the Special portable bollard device known as the Bold Bollard **30** is not limited to only the precise arrangements and instrumentalities shown. Other examples of bollard and barrier devices and uses are still understood by one skilled in the art of barrier devices to be within the scope and spirit shown here.

[0042] FIG. **1** A is a sketch of the Special portable bollard device known as the Bold Bollard **30** and FIG. **1** B is a dimensioned sketch of the prototype bollard **40**. Details of their features and components are discussed below. FIGS. **1** C and **1** D are described in the operations section below.

[0043] FIGS. **2** A and **2** B are design sketches of the portable bollard device **30** with approximate dimensions, components and noted features. In FIG. **2** A, the base **36** is shown as well as the individual aperture/recess **37** for the post(s) **34**. In FIG. **2** B, the aperture **37**, the base **36**, the base drain **36**A, the "shadowed locations" of the post **34** and cap **35** are shown for the prototype device **40**. The durable materials to make these components are discussed below.

[0044] FIGS. **3** A through **3** C are sketches of a single **31**, double **32**, and triple prototype **33** with the components and features shown from generally a top view. It is anticipated that any one of these devices **31**, **32**, or **33** may be used in various ways described below in the operation section. In FIG. **3** A is a single device **31** with the base **36**, post **34**, cap **35**, drain **36**A, a recess **38** for fork truck or lift blades all depicted. In FIG. **3** B is a double post device **32** with the base **36**, post **34**, cap **35**, drain **36**A, a recess **38** for fork truck or lift blades all similarly depicted. In FIG. **3** C is a triple post device **33** with the base **36**, post **34**, cap **35**, drain **36**A, a recess **38** for fork truck or lift blades all again depicted.

[0045] FIGS. **4** A through **4** D are sketches of alternative features shown from generally a side section. In FIG. **4** A the base device **30** is depicted and the general location of the following components and features. In FIG. **4** B the various cap **35** alternatives **50** are denoted. Anticipated, for example and not as a limitation in scope, are a plain smooth top **52**; a light **53** (constant, flashing, strobe . . . multi colored); an open aperture **54** for a chain, rope, rail or the like; a black box container **55** (for electronics, a key box, information, surveillance, camera or the like) and a fluorescent light option **56** or the like. These are all connected to the essentially vertical post **34** by a means to removably yet rigidly secure **51** such as a threaded means, step and slots, fasteners or equal). In FIG. **4** C the separate post **34** and base **36** configurations **60** is shown. This anticipated the post **34** and base **36** being removably connected by a means **61** to connect the base **36** and post **34**. It could be a similar type as described for cap and post securement means **51**. Finally, in FIG. **4** D the base **36** is addressed. Anticipated is that the base may be an integral **75** side only **36**B and bottom **72** as shown in sketch "**1**", or a separate

bottom **72** and side only **36**B with a means **71** to seal and connect the base sheet **72** to the side only **36**B as shown by sketch "**2**".

[0046] FIGS. **5** A through **5** D are sketches of a portable bollard **30** device during fill and in operation. FIGS. **6** A through **6** F are sketches of a portable bollard device in various applications. FIGS. **7** A through **7** C are sketches of a portable bollard device in a marine application. These are described in the operation section, below.

[0047] FIGS. **1** through **4** are sketches of the general Special portable bollard device known as the Bold Bollard **30**. The actual post **34** structure designs such as circular, oval or square tube cross sections. The base **36** may be generally round, oval or rectangular with essentially straight or tapered side walls **36**B. All the connection anticipate threaded mating sections of the sections being joined (such as cap **35** to post **34** by means **51** or post **34** to base **36** by means **61**). However, integral molding, casting, forming and blow molding are anticipated for some materials. Also, friction and heat process welds may be utilized. Strengthening "X" ribs, straight ribs, herringbone designs and the like are useful to designs of some of the larger cross sections for strength in use and during manufacturing. The components **36**, **34**, **35** may be comprised of a metal such as steel or aluminum and may be coated with a powder coat, paint, or other surface finish. However, the preferred material is a heavy duty, durable plastic or composite material. The plastics may be poly propylene, PVC, CpVc, nylon, urethane polyurethane or similar plastic. Also for example, CA Celluloze Acetate; CPE Chlorinated Polyethylene; PP Polypropylene; PA-6 Polyamide; PA-66 Polyamide 66; HIPS High Impact Polystyrene; ABS ylonitrile-butadiene-styrene; MBS Methylmethacrylate-butadiene-styrene; PC Polycarbonate; PVC Polyvinyl Chloride; PVB Polyvinyl Butyral; PF Phenol-Formaldehyde; UF Urea-Formaldehyde; PET Polyethylene Terephthalate; PBT Polybutylene Terephthalate; etc. These may be processed by thermo-injection, blow mold, vacuum molding, spin cast or the like.

[0048] The details mentioned here are exemplary and not limiting. Other specific components and manners specific to describing a Special portable bollard device known as the Bold Bollard **30** may be added as a person having ordinary skill in the field of bollard and barrier devices and their uses well appreciates.

OPERATION OF THE PREFERRED EMBODIMENT

[0049] The Special portable bollard device known as the Bold Bollard **30** has been described in the above embodiment. The manner of how the device operates is described below. One notes well that the description above and the operation described here must be taken together to fully illustrate the concept of the Special portable bollard device known as the Bold Bollard **30**. The preferred embodiment of the Special portable bollard device **30** known as the Bold Bollard is comprised of: A base **36** with features; a means **80** to fill the base **36** with a ballast **39**; an essentially vertical post **34**; a means **61** to removably secure the post **34** to base **36**; an alternative cap **35** with features and a means **51** to removably connect cap **35** to post **34** wherein an essentially vertical bollard **30** comprised of durable materials is presented with a stable base and barrier is portable for deployment and use.

[0050] The Special portable bollard device known as the Bold Bollard **30** operates by filling the base **36** for type 1 (or more for types 2 and 3) with the ballast **39**. This is done through the fill aperture **41** in the top of the base **36**. This fill ballast may be liquid—for lighter weight and removal and re-use of the device if desired—of concrete/sackcrete for heavier type three and more permanent(yet portable) devices **30**.

[0051] Many uses are anticipated for the Special portable bollard device known as the Bold Bollard **30**. Some examples, and not limitations, are shown in the following Table.

ITEM	DESCRIPTION of Use
1	Building protection
2	Pedestrian/Crowd control
3	Road/Curb location
4	Shopping cart return
5	Vehicle parking curbs
6	Mail Box holder
7	Key Pad holder
8	Information Signs/Sign Display Bases
9	Informational sign base and protector
10	Marine applications at docks

[0052] Many markets and distribution channels are anticipated for the Special portable bollard device known as the Bold Bollard **30**. Some examples, and not limitations, are shown in the following Table.

ITEM	DESCRIPTION of Channel
1	Self Storage
2	Large or Small Parking lots
3	Municipal Streets
4	Highways
5	Schools
6	Distribution/Truck Centers
7	Airports
8	Stores/Shopping Malls
9	Marine applications

[0053] FIGS. **1** C and **1** D are sketches of general uses for the portable bollard device **30** known as the Bold Bollard. In FIG. **1** C the device **30** is being filled by a means **80** of placing the ballast **39** through the fill aperture **41** in the top of the base **36**. In FIG. **1** D the bollard **90** is in operation as a barrier at a self-storage business.

[0054] FIGS. **3** A through **3** C are sketches of a single **31**, double **32**, and triple prototype **33** with the components and features shown from generally a top view. It is anticipated that any one of these devices **31**, **32**, or **33** may be used as a Light Duty, Unfilled base; as a Medium Duty, Partially filled base with water, sand or gravel; or as a heavy duty installation, filled with sand, gravel, Sakcrete™ or concrete.

[0055] FIGS. **5** A through **5** D are sketches of a portable bollard device during fill and in operation. In FIG. **5** A and In FIG. **5** B the device **30** is being filled by a means **80** of placing the ballast **39** through the fill aperture **41** in the top of the base **36**. In FIG. **5** C and FIG. **5** D the bollard **90** is in operation as a barrier at a self-storage business. Shown in each is single device with the base **36**, post **34**, and cap **35**.

[0056] FIGS. **6** A through **6** F are sketches of a portable bollard device in various applications. Shown are uses as a Parking lot zone marker **62**; use as a big banner sign base **63**; use as a flag pole base **64**; use as a sight display/attention marker **65**; use as an information/directional base—with base

66; use as an information/directional base—without base **66**A; use as a split pole cover for sign posts; and use as a marine application (with and without base) **67**.

[0057] FIGS. **7** A through **7** C are sketches of a portable bollard device in a marine application. Here is shown a split pole cover for sign posts and marine application (with and without base) **67**. One notes the Top view of Marine application **76** and the Side view if Marine application **77**.

[0058] With this description it is to be understood that the Special portable bollard device known as the Bold Bollard **30** is not to be limited to only the disclosed embodiment of product. The features of the Special portable bollard device known as the Bold Bollard **30** are intended to cover various modifications and equivalent arrangements included within the spirit and scope of the description.

[0059] While certain novel features of this invention have been shown and described and are pointed out in the annexed claims, it is not intended to be limited to the details above, since it will be understood that various omissions, modifications, substitutions and changes in the forms and details of the device illustrated and in its operation can be made by those skilled in the art without departing in any way from the spirit of the present invention. Without further analysis, the foregoing will so fully reveal the gist of the present invention that others can, by applying current knowledge, readily adapt it for various applications without omitting features that, from the standpoint of prior art, fairly constitute essential characteristics of the generic or specific aspects of this invention.

[0060] Unless defined otherwise, all technical and scientific terms used herein have the same meaning as commonly understood by one of ordinary skill in the art to which these inventions belong. Although any methods and materials similar or equivalent to those described herein can also be used in the practice or testing of the present inventions, the preferred methods and materials are now described above in the foregoing paragraphs.

[0061] Other embodiments of the invention are possible. Although the description above contains much specificity, these should not be construed as limiting the scope of the invention, but as merely providing illustrations of some of the presently preferred embodiments of this invention. It is also contemplated that various combinations or sub-combinations of the specific features and aspects of the embodiments may be made and still fall within the scope of the inventions. It should be understood that various features and aspects of the disclosed embodiments can be combined with or substituted for one another in order to form varying modes of the disclosed inventions. Thus, it is intended that the scope of at least some of the present inventions herein disclosed should not be limited by the particular disclosed embodiments described above.

[0062] The terms recited in the claims should be given their ordinary and customary meaning as determined by reference to relevant entries (e.g., definition of "plane" as a carpenter's tool would not be relevant to the use of the term "plane" when used to refer to an airplane, etc.) in dictionaries (e.g., widely used general reference dictionaries and/or relevant technical dictionaries), commonly understood meanings by those in the art, etc., with the understanding that the broadest meaning imparted by any one or combination of these sources should be given to the claim terms (e.g., two or more relevant dictionary entries should be combined to provide the broadest meaning of the combination of entries, etc.) subject only to the following exceptions: (a) if a term is used herein in a manner more expansive than its ordinary and customary meaning, the term should be given its ordinary and customary meaning plus the additional expansive meaning, or (b) if a term has been explicitly defined to have a different meaning by reciting the term followed by the phrase "as used herein shall mean" or similar language (e.g., "herein this term means," "as defined herein," "for the purposes of this disclosure [the term] shall mean," etc.). References to specific examples, use of "i.e.," use of the word "invention," etc., are not meant to invoke exception (b) or otherwise restrict the scope of the recited claim terms. Other than situations where exception (b) applies, nothing contained herein should be considered a disclaimer or disavowal of claim scope. Accordingly, the subject matter recited in the claims is not coextensive with and should not be interpreted to be coextensive with any particular embodiment, feature, or combination of features shown herein. This is true even if only a single embodiment of the particular feature or combination of features is illustrated and described herein. Thus, the appended claims should be read to be given their broadest interpretation in view of the prior art and the ordinary meaning of the claim terms.

[0063] Unless otherwise indicated, all numbers or expressions, such as those expressing dimensions, physical characteristics, etc. used in the specification (other than the claims) are understood as modified in all instances by the term "approximately." At the very least, and not as an attempt to limit the application of the doctrine of equivalents to the claims, each numerical parameter recited in the specification or claims which is modified by the term "approximately" should at least be construed in light of the number of recited significant digits and by applying ordinary rounding techniques.

What is claimed is:

1. A Special portable bollard device **30** known as the Bold Bollard is made in a specific configuration and of durable material and comprised of:

(a) a base **36** with features;

(b) a means **80** to fill the base **36** with a ballast **39**;

(c) an essentially vertical post **34**;

(d) a means **61** to removably secure the post **34** to base **36**;

(e) an alternative cap **35** with specific enabled features; and

(f) a means **51** to removably connect cap **35** to post **34** wherein an essentially vertical bollard **30** is presented with a stable base and barrier has portable features for deployment and is available for various uses.

2. The device according to claim **1** wherein the enabled features are from a group consisting of a plain smooth top **52**; a flashing light, a strobe light, a multicolored light, an open aperture **54** for a chain, rope, or rail, a black box container **55** for electronics, a key box, information, surveillance, or a camera, and a fluorescent light option **56**.

3. The device according to claim **1** wherein the specific configuration is from a group consisting of structural designs as circular, oval, and square tube cross sections, a base that is generally round, oval or rectangular, and side walls that are essentially straight or tapered.

4. The device according to claim **1** wherein the means for connecting the cap to post is from a group consisting of threaded configurations, integral molding, casting, forming and blow molding.

5. The device according to claim **1** wherein the durable material is from a group consisting of steel, aluminum, a heavy duty, durable plastic, a composite material, poly pro-

pylene, PVC, CpVc, nylon, urethane polyurethane, CA Celluloze Acetate, CPE Chlorinated Polyethylene, PP Polypropylene, PA-6 Polyamide, PA-66 Polyamide 66, HIPS High Impact Polystyrene, ABS acrylonitrile-butadiene-styrene, MBS Methylmethacrylate-butadiene-styrene, PC Polycarbonate, PVC Polyvinyl Chloride, PVB Polyvinyl Butyral, PF Phenol-Formaldehyde' UF Urea-Formaldehyde, PET Polyethylene Terephthalate, and PBT Polybutylene Terephthalate.

6. The device according to claim **1** wherein the manner to make is from a group consisting of plastic thermo-injection, plastic blow molding, plastic vacuum molding, and spin casting.

7. The device according to claim **1** wherein the means for ballast is a liquid.

8. The device according to claim **1** wherein the means for ballast is a concrete/sackcrete material.

9. The device according to claim **1** wherein the means for ballast is a sand.

10. The device according to claim **1** wherein a use for the device is from the group consisting of building protection, pedestrian/crowd control, road and curb location, shopping cart return area location, vehicle parking curbs, mail Box holder, key pad holder for gate and door security systems, information signs and sign bases, informational sign base and protector, and marine applications for docks

11. The device according to claim **1** wherein a market use and distribution channels is from a group consisting of self-storage, parking lots, municipal streets, highways, schools, distribution/and truck centers, airports, malls and marine applications.

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