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(54) **PAINT BALL CONTAINER WITH SPEED LOADING SYSTEM**

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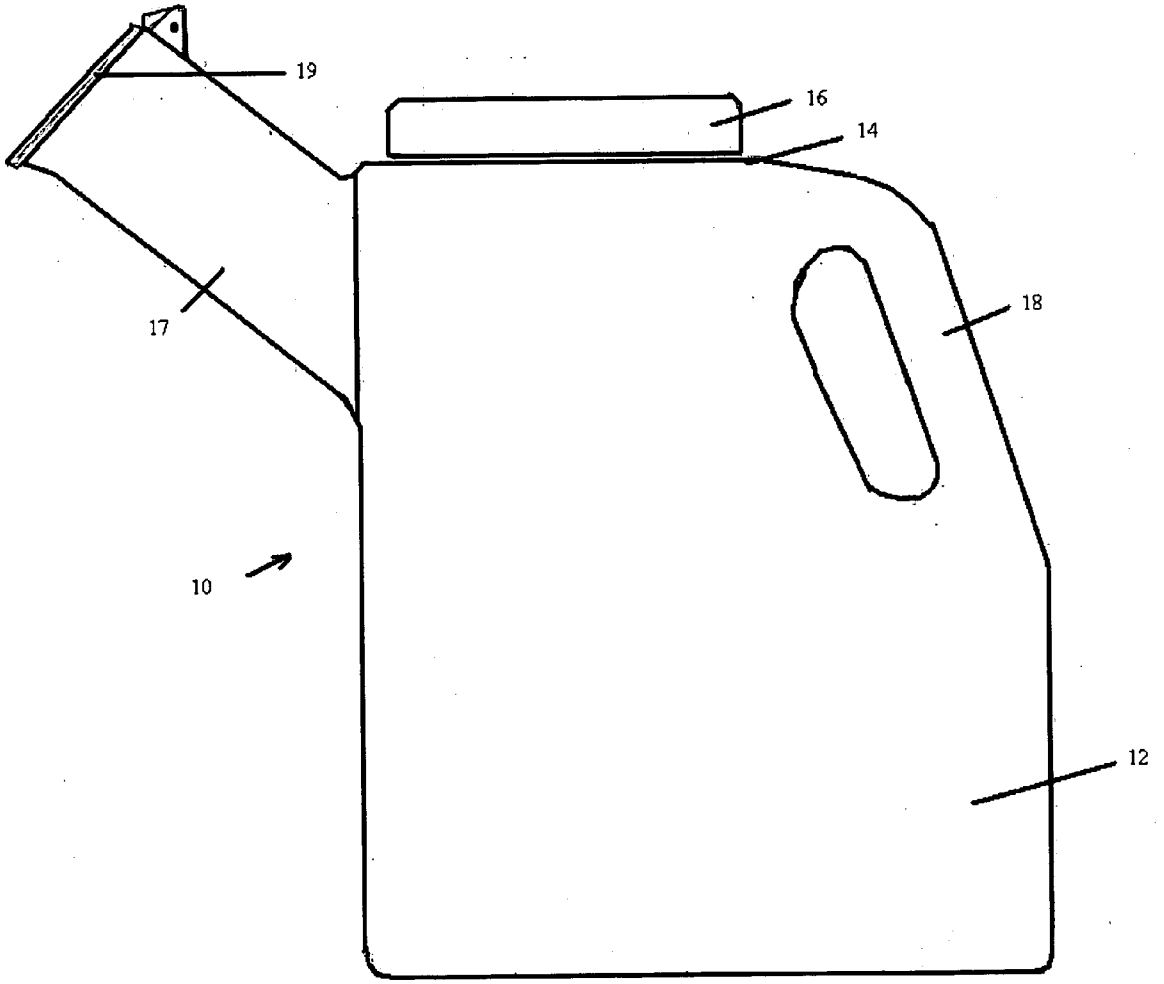
(57) **ABSTRACT**

An improved fillable paintball container with a handle, screw top covered fill port in its top and a pour spout ergonomically placed on its side opposite the handle having a spring loaded snap cap covering the pour spout, which is positioned for rapid loading of a paint ball magazine.



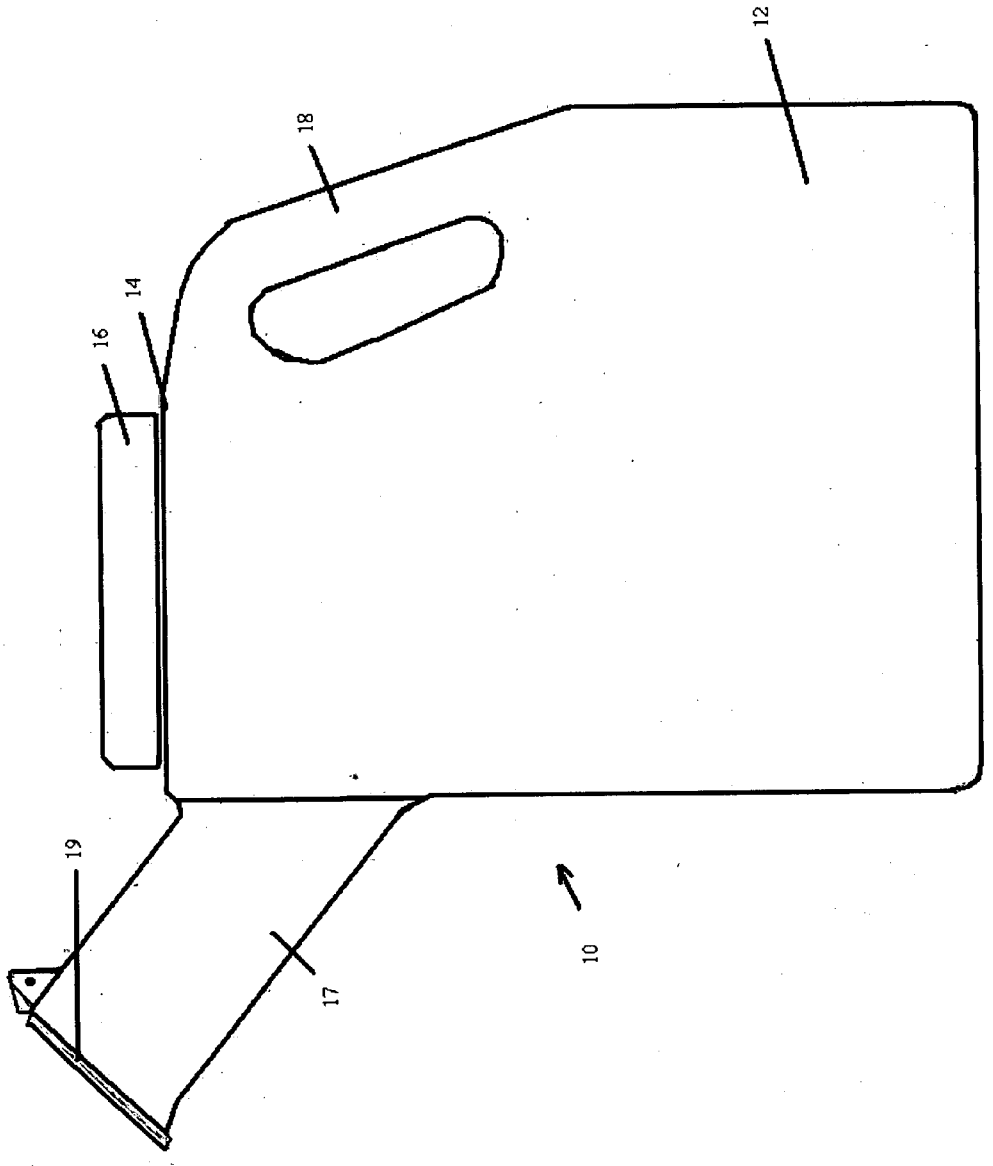


FIG. 1

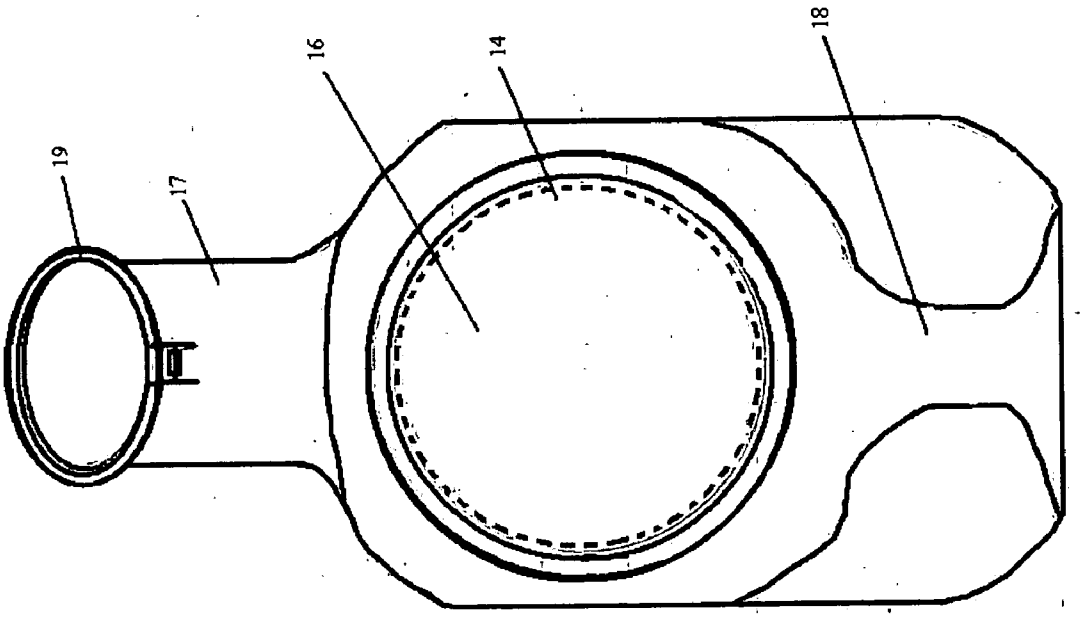


FIG. 2

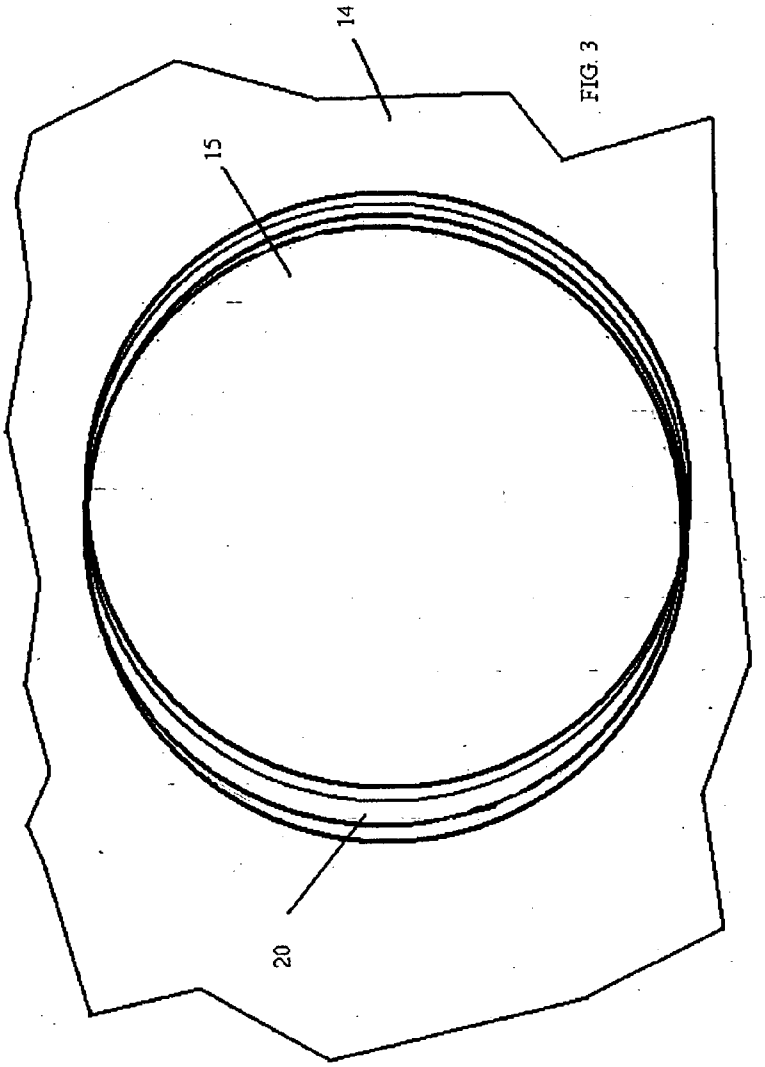


FIG. 3

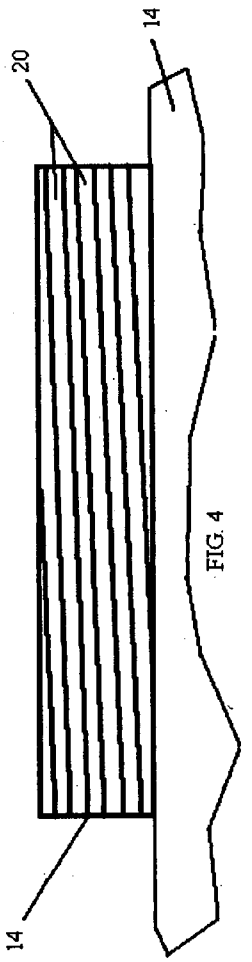


FIG. 4

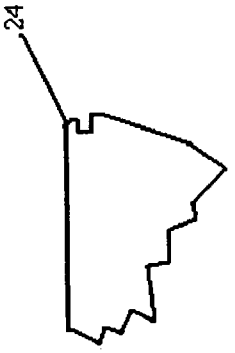


FIG. 6

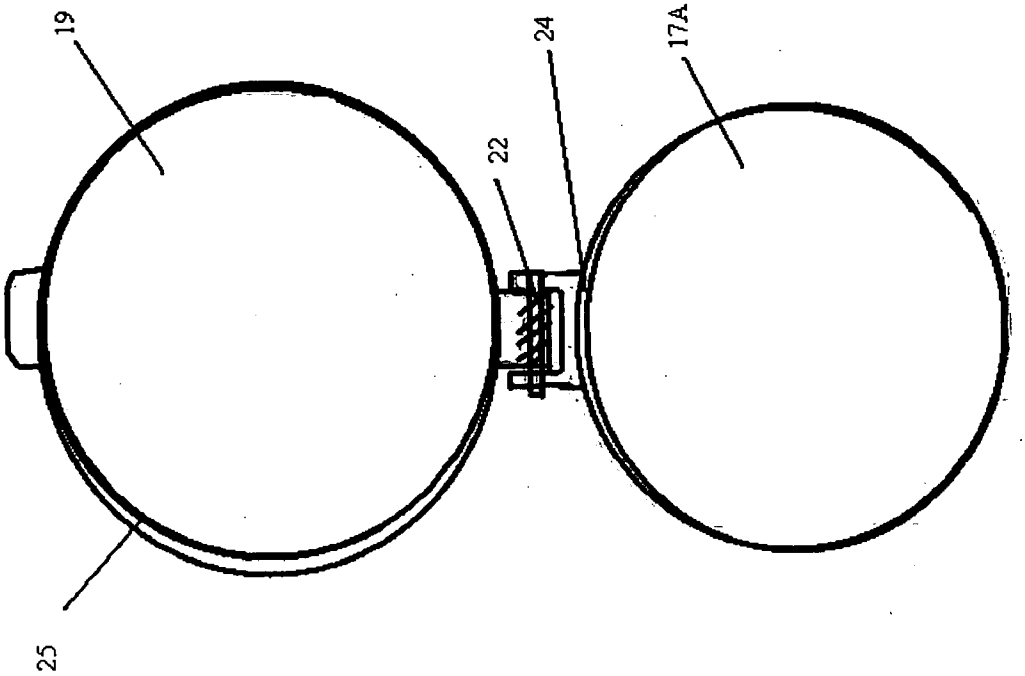


FIG. 5

PAINT BALL CONTAINER WITH SPEED LOADING SYSTEM

RELATED APPLICATIONS

[0001] This application is a continuation-in-part patent application of the provisional patent application entitled "PAINT BALL CONTAINER WITH SPEED LOADING SYSTEM" filed May 18, 2006, Ser. No. 60/801,206

BACKGROUND OF THE INVENTION

[0002] 1. Field

[0003] This invention pertains to paint ball loading devices. In particular it pertains to an improved fillable container with a pour spout and spring loaded snap cap positioned for rapid loading of a paint ball gun magazine.

[0004] 2. State of the Art

[0005] A number of paint ball magazines and storage containers are known, such as Miller, U.S. Pat. No. 5,097,816 dated Mar. 24, 1992, which is a paintball magazine container with a helical ramp to feed paintballs into the firing chamber of a paintball weapon. It is adapted for removably mounting to the paintball weapon. Santangini et al, U.S. Pat. No. 6,708,843 dated Mar. 23, 2004 is a paintball container tube loading stand designed to fill cylindrical container tubes. Yokota et al, U.S. Pat. No. 6,725,852 dated Apr. 27, 2004 is a free-flowing paintball hopper ammunition magazine with an electrical stirring arm to aid in dispensing paintballs into a gun adapted to shoot said projectiles. Trier et al, U.S. Patent Publication No. 2003/0154967 dated Aug. 21, 2003 is a paint ball hopper/pod loader comprising a storage container with a single nozzle opening used both for storage and filling of a paintball gun magazine. Woods, Sr., U.S. Patent Publication 2002/0059927 dated May 23, 2002 is another cylindrical paint ball loading device with a single opening used both for storage and filling of a paintball gun magazine.

[0006] Clark, U.S. Patent Publication No. 2003/0200960 dated Oct. 30, 2003 discloses a paintball caddy with a capped fill port and an uncovered pour spout, making its contents susceptible to water damage. The fill port is used for filling the container, and the open pour spout is used to fill paintball canisters or magazine hoppers of a conventional paint ball gun.

[0007] These paintball magazines and storage containers have various advantages and disadvantages. The present invention is designed to provide a easily refillable paint ball storage container with an ergonomically located pour spout with spring loaded snap cap positioned such that when one tilts the handle the ball readily pour out into a magazine without arm strain.

SUMMARY OF THE INVENTION

[0008] The present invention comprises a paint ball container with speed loading system. It has a water resistant container with an openable and closable top for filling the container with gelatin covered paint balls. The container is constructed of a lightweight waterproof material, such as plastic or nylon, to protect its contents from water damage. The openable and closable top has a threaded wide mouth fill portal with a removable screw on cap. The screw on cap is removed during filling, and then screwed back on to prevent the contents from spilling out and maintaining the waterproof seal.

[0009] The container has a pour spout located on the side of the container opposite a carrying handle. The pour spout is ergonomically angled and located to aid in pouring. The pout spout is covered with a spring loaded snap cap, which is snapped open and held out of the way when pouring paint balls into a paint ball gun hopper for rapid loading especially during competition play. After loading the paint ball gun, the snap cap is then snapped closed to secure within the container the remaining paint balls. This allows the container to be water tight during rough transport to prevent the gelatin covered paint balls from deteriorating during transport and storage.

[0010] The container is sized to accommodate a large number of paintballs required for competition. Usually this requires a storage capacity of up to 1,000 paintballs. The pour spout is therefore ergonomically positioned at an angle to reduce arm strain from the weight while pouring from a full container.

[0011] The paintball container with speed loading system is primarily used for speed loading paint ball guns, but may be used for other purposes.

DESCRIPTION OF THE DRAWINGS

[0012] FIG. **1** is a side view of a preferred embodiment.

[0013] FIG. **2** is a top view of the preferred embodiment shown in FIG. **1**.

[0014] FIG. **3** is a perspective view of the openable screw top of FIG. **1**.

[0015] FIG. **4** is a side view of the openable screw top of FIG. **1**.

[0016] FIG. **5** is a top view of the pour spout and spring loaded snap cap of FIG. **1**.

[0017] FIG. **6** is a side view of the pour spout edge of FIG. **1**.

DESCRIPTION OF THE ILLUSTRATED EMBODIMENTS

[0018] As shown in FIG. **1**, the invention comprises a paint ball container with speed loading system **10**. It has a water resistant container **12** with an openable and closable screw top **14** for filling the container **12** with gelatin covered paint balls. The container **12** is constructed of a lightweight waterproof material to protect its contents from water damage. The openable and closable top **14** has a threaded wide mouth fill portal **15** shown in FIG. **3** adapted to be covered with a removable screw on lid **16**. The screw on lid **16** is removed during filling, and then screwed back on to prevent the contents from spilling out and maintaining the waterproof seal.

[0019] The container has a pour spout **17** with an opening **17***a* located on the side of the container **12** opposite a carrying handle **18**. The pour spout **17** is covered with a spring loaded snap cap **19**, which is snapped open and held out of the way by a spring **22** when pouring paint balls into a paint ball gun hopper for rapid loading, especially during competition play. After loading the paint ball gun, the snap cap **19** is then snapped closed to secure within the container **12** the remaining paint balls. This allows the container **12** to be water tight during rough usage to prevent the gelatin covered paint balls from deteriorating during transport and storage.

[0020] The container **12** is preferably sized to accommodate a large number of paintballs required for competition.

Typical dimensions of a preferred embodiment are approximately 8 inches by 11 inches to form an internal storage space having a capacity of up to 1,000 paintballs. The pour spout **16** is ergonomically positioned at an angle to reduce arm strain while pouring from a full container **12**.

[0021] FIG. **2** is a top view of the preferred embodiment shown in FIG. **1** with the snap cap **19** and screw on lid **16**.

[0022] FIG. **3** is a perspective view of the openable screw top of FIG. **1** showing the fill portal **15**, which is defined by the open top **14** surrounded by external male threads **20**. The screw on lid **16** has corresponding internal male threads, not shown, to the external male threads **20**, which form a water tight seal when screwed together.

[0023] FIG. **4** is a side view of the openable screw top of FIG. **1** showing the external male threads **20**.

[0024] FIG. **5** is a top view of the pour spout **17** and its spring loaded snap cap **19**. The snap cap **19** is placed under tension with spring **22** to snap open when the lid **19** is removed from the edges **24** of the pour spout **17** so that paint balls may be rapidly emptied from the container **12**.

[0025] FIG. **6** is a side view of the pour spout edge of FIG. **1** showing how the edges **24** of the pour spout **17** is adapted to removably secure to a corresponding lip **25** of the lid **19**.

[0026] Although this specification has referred to the illustrated embodiments, it is not intended to restrict the scope of the claims, which include those features deemed essential to the invention.

I claim:

1. A paint ball container with speed loading system comprising:

a. a water resistant container with sides and an openable and closable top leading into an interior chamber sized for filling with a plurality of gelatin covered paint balls,

b. a pour spout attached to a side of the container in communication with the interior chamber and sized to rapidly empty to fill a paint ball gun hopper with paint balls,

c. an openable spring loaded snap cap covering the pour spout, which is structured to be snapped open and held out of the way in a pouring mode when pouring paint balls out of the pour spout into a paint ball gun hopper for rapid loading, and snapped closed over the pour spout in a storage mode, and

d. a carrying handle located on a side of the container opposite the pour spout.

2. A paint ball container with speed loading system according to claim **1**, wherein the openable and closable top has a threaded wide mouth fill portal with a removable screw on cap.

3. A paint ball container with speed loading system according to claim **2**, wherein the screw on cap and snap cap maintain a waterproof seal, when the caps are closed.

4. A paint ball container with speed loading system according to claim **1**, wherein the container is constructed of a lightweight waterproof material, such as plastic or nylon, to protect its contents from water damage.

5. A paint ball container with speed loading system according to claim **1**, wherein the pour spout is ergonomically angled and located to aid in pouring and reduce arm strain from the weight during pouring of a full container.

6. A paint ball container with speed loading system according to claim **1**, wherein the container is sized to accommodate a large number of paintballs required for competition.

7. A method for using a paint ball container with speed loading system comprising:

a. filling a water resistant container with sides and an openable and closable top leading into an interior chamber sized with a plurality of gelatin covered paint balls, said container having a pour spout attached to a side of the container in communication with the interior chamber and sized to rapidly empty to fill a paint ball gun hopper with paint balls,

b. selectively opening and closing an openable spring loaded snap cap covering the pour spout, which is structured to be snapped open and held out of the way in a pouring mode when pouring paint balls out of the pour spout into a paint ball gun hopper for rapid loading, and snapped closed over the pour spout in a storage mode, and

c. carrying the paint ball container by a handle located on a side of the container opposite the pour spout for use during paint ball competition.

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