

TITLE

A COLLAPSIBLE FIRE PIT

CROSS REFERENCE

This application is a Continuation of U.S. Ser. No. 18/436,556, filed on February 8,
5 2024, which was a Continuation of U.S. Ser. No. 18/161,078, filed Jan. 29, 2023, now U.S.
Pat. No. 11/655,981, the contents of which are incorporated by reference.

TECHNICAL FIELD

The present invention pertains to a collapsible fire pit that is easy to transport.

BACKGROUND

10 The inventor of the present invention is an avid outdoorsman who loves taking cross
country trips in his vehicle.

One of the biggest problems that he has suffered in his trips is having to set up a grill
and break up a grill to nourish himself, and then to stow the grill after it use. Usually when
stowing the grill, either himself or his vehicle get filthy during the process.

15 Another problem that he suffers on his road trips is that when he takes a grill, the grill
is an unstable structure that tends to fall over in his vehicle.

Yet another problem he experiences when camping is freezing temperatures when he
hikes away from his vehicle. Often, he is forced to dig holes in the ground to create fire pits
in desolate areas to warm himself.

20 Because of the above mentioned problems, the inventor conceived the present
invention, a lightweight, collapsible fire pit, that could also work as an outdoor cooking grill
that is easy to transport.

The present invention is designed, when collapsed, to be easily attachable to a backpack. It is also designed, when it is collapsed, to be placed flat on a vehicle structure.

SUMMARY

The present invention is directed to a collapsible fire pit that is easy to transport.

- 5 The collapsible fire pit comprises a ring base. A first ring that extends upward from the ring base. And, a second ring that extends upward from the first ring. The collapsible firepit uses L-Shaped guides and pins to secure and collapse.

An object of the present invention is to provide a collapsible travel pit that can easily be stored in a vehicle.

- 10 Another object of the present invention is to provide a collapsible fire pit that can be used as an emergency stove.

Yet another object of the present invention is to provide a collapsible fire pit that is easy to stow in a backpack.

- 15 Yet still another object of the present invention is to provide a tactical collapsible fire pit that can be used by military personnel when on clandestine missions.

A further object of the present invention is to provide a collapsible fire pit that can be laid flat in a transport vehicle and that will not flip while in transport.

- 20 Yet a further object of the present invention is to provide a collapsible fire pit that will prevent animals from getting injured if they inadvertently touch the outer walls of the pit when the pit is burning a combustible material.

Yet still a further object of the present invention is to provide a camper with a fire pit that can easily be transported and stowed after use that will not dirty the transport vehicle.

DRAWINGS

These and other features, aspects, and advantages of the present invention will become better understood with regards to the following description, appended claims, and drawings where:

- 5 Fig. 1 is a perspective view of the present invention in an expanded position;
- Fig. 2 is a front view of the present invention;
- Fig. 3 is a perspective view of the present invention in a collapsed position;
- Fig. 4 is a top plan view of the present invention; and
- Fig. 5 is a sectional view of the present invention.

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DESCRIPTION

As seen in Figs. 1 - 5, the present invention is a collapsible fire pit 100 that is easy to transport.

- The collapsible fire pit 100 comprises a ring base 10 has a base 10a and an outer wall 10b that extends upward from a circumference of the ring base 10, the outer wall 10b of the
- 15 ring base measures at least three inches in height, at least three pins 12 that are defined on the outer wall of the ring base 10, the at least three pins 12 are equally spaced around the circumference of the outer wall 10b of the ring base 10. A first ring 20 that extends upward from the ring base 10, the first ring 20 has an outer wall that measures at least three inches in height, the first ring 20 has a circumference that is larger than an outer wall 10b of the ring
- 20 base 10, an inner wall of the first ring 20 defines at least three L-shaped guides 22, an outer wall of the first ring 20 has at least three pins 24 that are equally spaced around the circumference of the first ring 20, and each L-shaped guide 22 of the at least three L-shaped guides 22 receives each pin 12 of the ring base 10. And, a second ring 30 that extends upward

from the first ring 20, the second ring 30 has an outer wall that measures at least three inches in height, the second ring 30 has a circumference that is larger than the outer wall of the first ring 20, an inner wall of the second ring 30 defines at least three L-shaped guides 32, and each L-shaped guide 32 of the at least three L-shaped guides 32 receives each pin 24 of the
5 first ring 20.

In an embodiment of the present invention, the second ring 30 defines at least one handle 40.

In embodiments of the present invention, the collapsible fire pit comprises of an elevated ash pan 50 that is removably attached to the ring base 10, and a screen tray 52 that is
10 placed on the elevated ash pan 50.

In another embodiment of the present invention, the ring base 10 further defines a plurality of air flow apertures 60 around the circumference of the ring base 10.

In preferred embodiments, the ring base 10, the first ring 20, and the second ring 30 are made of a rigid fireproof material.

15 An advantage of the present invention is that it provides a collapsible travel pit that is easily be stored in a vehicle.

Another advantage of the present invention is that it provides a collapsible fire pit that serves as an emergency stove.

Yet another advantage of the present invention is that it provides a collapsible fire pit
20 that stows in a backpack.

Yet still another advantage of the present invention is that it provides a tactical collapsible fire pit that military personnel can use when on clandestine missions.

A further advantage of the present invention is that it provides a collapsible fire pit that lays flat in a transport vehicle and that does not flip while in transport.

Yet a further advantage of the present invention is that it provides a collapsible fire pit that prevents animals from getting injured when they inadvertently touch the outer walls of
5 the pit.

Yet still a further advantage of the present invention is that it allows a camper to have a fire pit that he can easily transport and stow after use that will not soil his transport vehicle.

The embodiments of the collapsible fire pit described herein are exemplary and numerous modifications, combinations, variations, and rearrangements can be readily
10 envisioned to achieve an equivalent result, all of which are intended to be embraced within the scope of the appended claims. Further, nothing in the above-provided discussions of the collapsible fire pit should be construed as limiting the invention to an embodiment or a combination of embodiments. The scope of the invention is defined by the description, drawings, and claims.

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CLAIMS

What is claimed is:

1. A collapsible fire pit that is easy transport, the collapsible fire pit comprises:

5 a ring base has a base and an outer wall that extends upward from a circumference of the ring base, the outer wall of the ring base measures at least three inches in height, at least three pins that are defined on the outer wall of the ring base, the at least three pins are equally spaced around the circumference of the outer wall of the ring base;

10 a first ring that extends upward from the ring base, the first ring has an outer wall that measures at least three inches in height, the first ring has a circumference that is larger than an outer wall of the ring base, an inner wall of the first ring defines at least three L-shaped guides, an outer wall of the first ring has at least three pins that are equally spaced around the circumference of the first ring, and each L-shaped guide of the at least three L-shaped guides receives each pin of the ring base; and

15 a second ring that extends upward from the first ring, the second ring has an outer wall that measures at least three inches in height, the second ring has a circumference that is larger than the outer wall of the first ring, an inner wall of the second ring defines at least three L-shaped guides, and each L-shaped guide of the at least three L-shaped guides receives each pin of the first ring.

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2. The collapsible fire pit that is easy to transport of claim 1, wherein the second ring defines at least one handle.

3. The collapsible fire pit that is easy to transport of claim 2, the collapsible fire pit comprises an elevated ash pan that is removably attached to the ring base, and a screen tray that is placed on the elevated ash pan.

5 4. The collapsible fire pit that is easy to transport of claim 3, wherein the ring base further defines a plurality of air flow apertures around the circumference of the ring base.

5. The collapsible fire pit that is easy to transport of claim 4, wherein the ring base, the plurality of rings and the cover are made of a rigid fireproof material.