To all whom it may concern:

Be it known that I, JOHN FAULKNER KENT, citizen of the United States, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented new and useful Folding Camp-Stoves, of which the following is a specification.

The invention relates to a foldable stove, and more particularly to the class of foldable camp stoves.

The primary object of the invention is the provision of a stove structure of this character, wherein a receptacle can be conveniently held for the cooking of its contents, the stove being novel in form, so that the receptacle can be placed within a hanger between a plurality of supports which are adapted to be anchored within a foundation, thereby avoiding any possibility of the turning over of the receptacle during the cooking process.

Another object of the invention is the provision of a stove structure of this character, wherein the hanger for the receptacle, such as a cup, cooking utensil, or the like, will automatically adjust itself to the diameter of said receptacle for the holding thereof, without possibility of the same turning over, or should the receptacle be of a size which will not fit within the hanger, the same can be placed upon the supports for said hanger and held in position for the cooking process.

A further object of the invention is the provision of a stove of this character, wherein in the construction thereof permits the ready and easy folding of the same into compact form, so as to occupy the least possible space when not in use, thus enabling the stove when folded to be carried in the pocket of the user, or knapsack, or stored in a kit, thereby making the device handy for camp equipment, particularly for soldier's use.

A still further object of the invention is the provision of a stove of this character, which is extremely simple in construction, thoroughly reliable and efficient in its purpose, strong, durable, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts, as will be hereinafter fully described, and pointed out in the claims hereunto appended.

In the accompanying drawing:

Figure 1, is a perspective view of a foldable camp stove, constructed in accordance with the invention, showing it set up for use and supporting a cooking receptacle with a heater beneath the same.

Fig. 2, is a view similar to Fig. 1, with the receptacle removed therefrom and the heater omitted.

Fig. 3, is a top plan view showing by dotted lines the receptacle therein.

Fig. 4, is a perspective view of the stove folded into compact form for the handy carriage thereof.

Similar reference characters indicate corresponding parts throughout the several views of the drawing.

Referring to the drawing in detail'A, designates generally a plurality of supports and B, the flexible hanger of the foldable camp stove, hereinafter fully described.

The supports A, in this instance, are shown four in number, although a greater or lesser number may be employed, and each comprises a straight rod or stake 5, preferably made from metal having the required length and rigidity, and is formed with a tapered pointed end 6, for the easy insertion of the support in a foundation to permit the anchoring thereof in upright position when the stove is in use. The rod 5, near the other end, has formed therein an eye 7, which in this instance is made by puncturing or piercing the rod, although the eye, can be bent from the rod, or otherwise formed.

The flexible hanger B comprises a main chain 8, which is loosely trained through the eyes 7, in the rods 5, the chain being of the single link type, and is made endless by the joining of the ring and hook terminals 9 and 10 thereof, respectively.

Loosely connected on the stretches of the chain 8, between the rods 5, are the ring terminals 11, of suspension chains 12, which have their other terminal links 13, connected with a center or base ring 14, which is common to all of the suspension chains 12, the ring 14 being of relatively large size, and of sufficient weight to effect the sagging of the hanger B, in the position shown in Fig. 2 of the drawing. On the introduction of a receptacle, as at 15, in Fig. 1 of the draw-
ing, the hanger will spread and conform to the shape of said receptacle for holding the same in a horizontal position between the supports, whereby the contents thereof can be cooked or heated from any suitable heat source, for example, a candle 16, placed beneath the receptacle, as is clearly shown in Fig. 1 of the drawing.

When the receptacle 15 is removed from the hanger B, and the stove is not to be used for cooking purposes, it can be readily folded, or collapsed into compact form as shown in Fig. 4 so as to occupy the least possible space, and to be conveniently carried on the person, or in a knapsack, or stored within restricted space.

In the event that the receptacle in use is of a size which will not fit within the hanger B, when the stove is set up, said receptacle can be placed upon the upper ends of the supports for the cooking of the contents. Under such circumstances, it will be an advantage to withdraw one of the stands from its chain, which is readily done when the chain is unhooked at its terminals, in order that three points of support may be offered to the receptacle for greater stability, as will be understood.

The peculiar combination and arrangement of the chains and rings is what is considered the salient feature of this invention. It will be seen that not only cylindrical receptacles are accommodated by the hanger, but cubic, rectangular, and all other shapes. The lower or suspension chains pull on the upper or main chain in such a way as to present a peculiar Y-shaped side support for vessels, making impossible the contingency of slipping or overturning, which an ordinary chain support cannot prevent.

Such is the flexibility of this device that several of the chains may be united and run through any desired number of stakes, thus making a double, triple or quadruple camp stove, as desired. This would be of advantage when a number of meals had to be prepared in a very limited space.

The material from which the stakes are made is preferably aluminum because of its extreme lightness, but burnished steel, brass, or a non-rusting alloy of any of the metals may be desirable.

It is to be understood, that changes, variations and modifications may be made in the construction of the stove, as come properly within the scope of the appended claims, without departing from the spirit of the invention, or sacrificing any of its advantages.

What is claimed is:

1. In a foldable camp stove, a plurality of supports adapted to be driven into a foundation in spaced relation to each other, and having eyes near their upper ends, an endless flexible member loosely trained through the eyes, flexible suspension members loosely connected with the stretches of the first named member between the supports, and a member common to all of the suspension members and loosely connected thereto.

2. In a foldable camp stove, a plurality of supports having tapered ends, said supports being formed with eyes contiguous to the other ends, a chain loosely passed through the eyes and having its ends detachably connected together, suspension chains having ring terminals loosely engaging the stretches of the first named chain between the supports, and a member common to the suspension chains and loosely connected to the other terminals thereof.

3. In a foldable camp stove, a plurality of supports, each in the form of a rod having a tapered end adapted to be driven into a foundation, a main endless flexible member loosely connected with the other ends of the rods, and flexible suspension members having a ring center and loosely connected to the stretches of the main member between the rods.

4. In a foldable camp stove, a plurality of supports having their lower ends shaped to be driven into the ground, and their upper ends shaped to form a supporting surface for a vessel, said stakes having eyes at their upper ends, an endless chain passed loosely through the eyes and being of a length to sag between the stakes, and other chains loosely connected to the endless chain between the supports and disposed in a lower plane and adapted to embrace the bottom of a receptacle when placed in position between the stakes.

5. In a foldable camp stove, a plurality of stakes, and a receptacle holder comprising an upper main chain engaged loosely with the upper ends of the stakes, and a series of lower chains adapted to extend across the bottom of the receptacle and connected to the upper chain between the stakes, said lower chains pulling on the upper chain when the receptacle is in place and presenting a Y-shaped support for the sides of the receptacle.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JOHN FALIKNER KENT.

Witnesses:
N. E. JAMES,
RALPH R. SILVER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D.C."