

L. E. MOORE.
 COLLAPSIBLE CAMP GRATE.
 APPLICATION FILED DEC. 6, 1916.

1,244,357.

Patented Oct. 23, 1917.

Fig. 1.

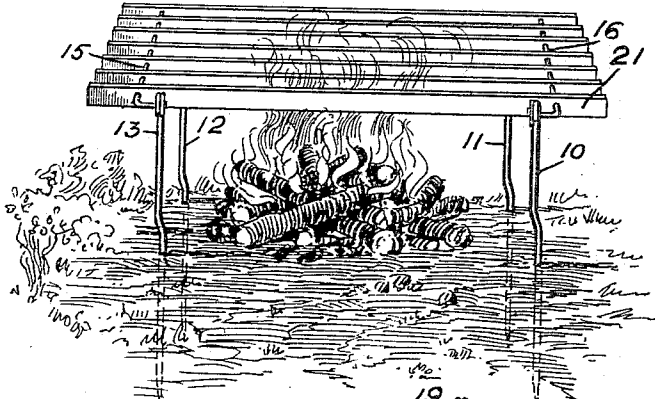


Fig. 2.

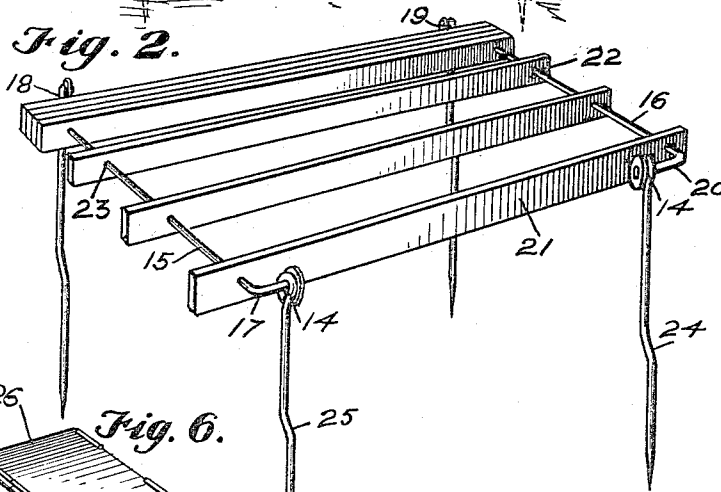
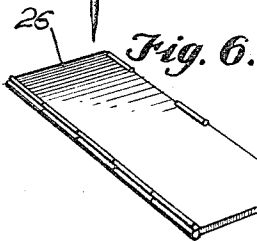


Fig. 6.

Fig. 4.

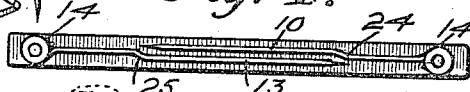


Fig. 5.

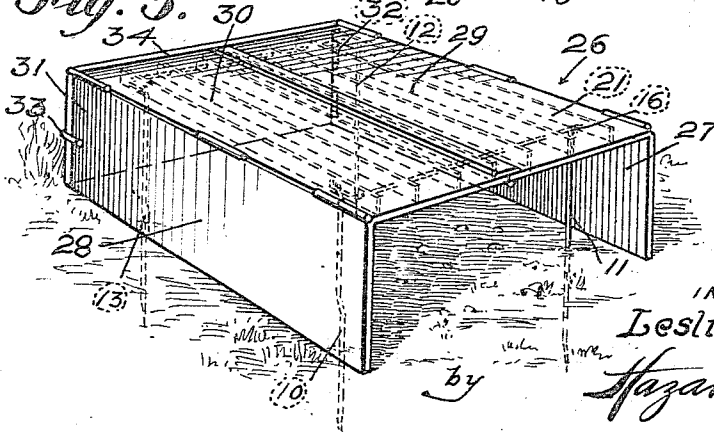
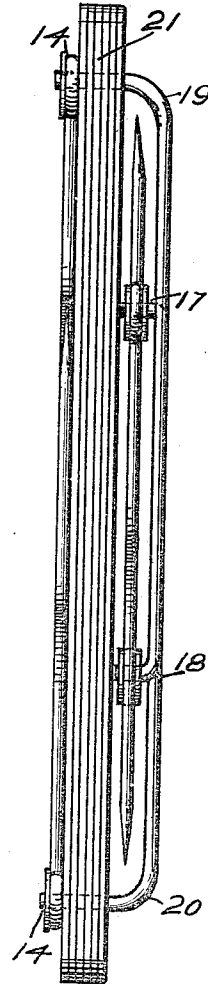


Fig. 3.



INVENTOR

Leslie E. Moore

Hazard & Miller

ATTYS.

UNITED STATES PATENT OFFICE.

LESLIE E. MOORE, OF LONG BEACH, CALIFORNIA.

COLLAPSIBLE CAMP-GRATE.

1,244,357.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LESLIE E. MOORE, a citizen of the United States, residing at Long Beach, in the county of Los Angeles and State of California, have invented new and useful Improvements in Collapsible Camp-Grates, of which the following is a specification.

This invention relates to a camp stove and particularly pertains to a collapsible camp stove.

It is an object of this invention to provide a camp stove which is readily collapsible and which is compactly constructed so that it may be folded into a small bundle.

Another object of this invention is to provide a camp stove which may be readily converted from use as a grid to be used as a hot plate having an inclosed fire box.

A further object is to provide a collapsible camp stove which is light in construction and which may be readily manipulated to be set up for use or folded into its inoperative position.

Other objects will appear hereinafter.

The invention is illustrated, by way of example, in the accompanying drawings in which:

Figure 1 is a view in perspective illustrating the camp stove as set up for use as a grid and particularly disclosing the manner in which it is secured in a stable manner.

Fig. 2 is a view in perspective illustrating the stove grid in a partly assembled position and disclosing in detail the construction of its members.

Fig. 3 is a view in elevation illustrating the stove grid as folded into its collapsed position and disclosing the manner in which the supporting rods and the legs of the stove are folded.

Fig. 4 is a view in side elevation illustrating the manner in which two of the legs are folded in an internested manner.

Fig. 5 is a view in perspective illustrating the stove as adapted for use as a hot plate and with an inclosed fire box.

Fig. 6 is a view in perspective illustrating the stove cover as folded.

Referring more particularly to the drawings, 10—13 inclusive indicate the legs of the stove, which are formed with eyes 14 through which transverse supporting rods 15 and 16 extend. These rods are formed with bent end portions which are disposed

at right angles to the body of the rod. The ends 17 and 18 of the rods are formed with a short bend, while the ends 19 and 20 are formed with a bent portion of greater length than the combined thickness of the grate bars 21, which are formed with perforations 22 and 23 at their opposite ends. These perforations permit them to be slidably mounted upon the bars 15 and 16. In order to permit the legs to fold together, they are formed with off-set portions 24 and 25, as particularly disclosed in Fig. 4 and for the purpose there illustrated.

When the stove is to be used as a grid, it is assembled from the parts previously described. However it may be found convenient to use a hot plate and in that case a foldable cover 26 is provided. This cover is formed with hinged side walls 27 and 28 which are connected to top plates 29 and 30, also hinged in relation to each other. One end of the cover is provided with a hinged back wall 31 which is hinged to the side 27 by means of hinges 32 and is secured in position by means of a catch 33. This back wall is formed with a flange 34 adapted to overlap the rearwardly extending edges of the cover and make a smoke-tight joint.

In operation, the grid of the stove is normally folded, as indicated in Fig. 3 of the drawings. When it is desired to set the grid up, the supporting rods are swung outwardly in parallel relation to each other and the grate bars arranged therealong. The legs of the stove are then swung downwardly with the bent end portions of the rods preferably extending toward each other. The sharpened ends of the legs may then be forced into the ground and will thus hold the structure in a rigid manner.

When it is desired to inclose the grid and provide a hot plate, the foldable cover 26 is unfolded to form the structure disclosed in Fig. 5, after which it is mounted upon the grid and supported thereby, and will thus provide an inclosed fire box of great strength and which may be readily set up or collapsed.

It will thus be seen that the device here disclosed is simple in its operation and may be folded into a compact bundle of small size.

While I have shown the preferred construction of my camp stove as now known

to me, it will be understood that various changes in the combination, construction and arrangement of parts may be made by those skilled in the art without departing
5 from the spirit of my invention.

I claim:

In a foldable camp stove, a series of grate bars, a pair of supporting rods, a short portion of one end of each rod being bent at
10 right angles and a longer portion of the

other end of each rod being bent at right angles in planes parallel with the first bends, said grate bars being loosely mounted upon said rods, and legs pivotally mounted upon the bent ends of the rods outside of the
15 grate bars, so that the grate bars and legs may be folded into parallel positions.

In testimony whereof I have signed my name to this specification.

LESLIE E. MOORE.

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