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PORTABLE CAMPING STOVE

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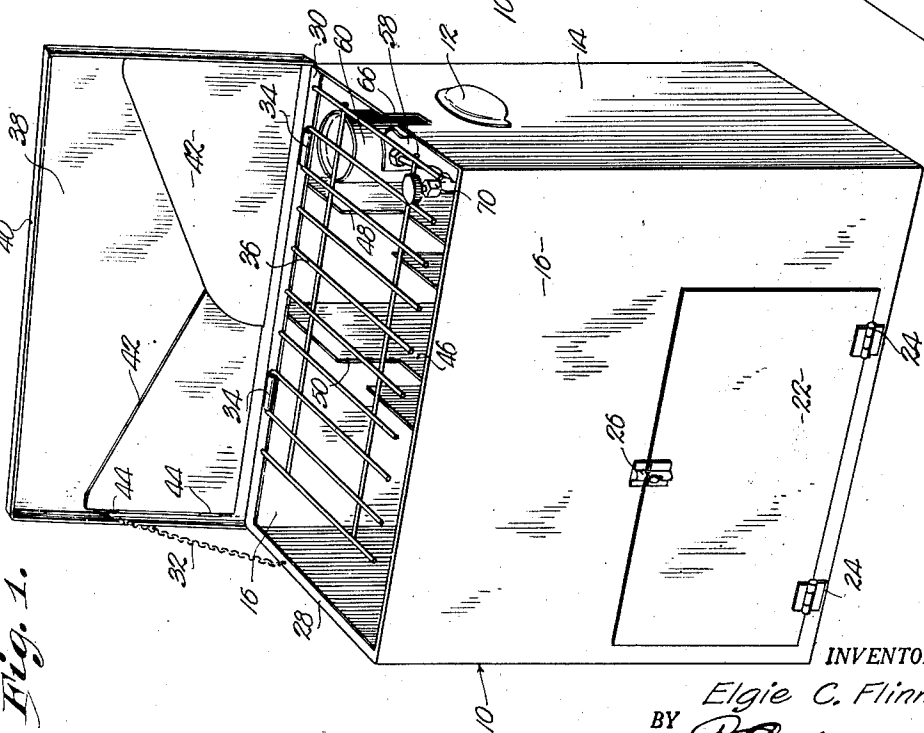
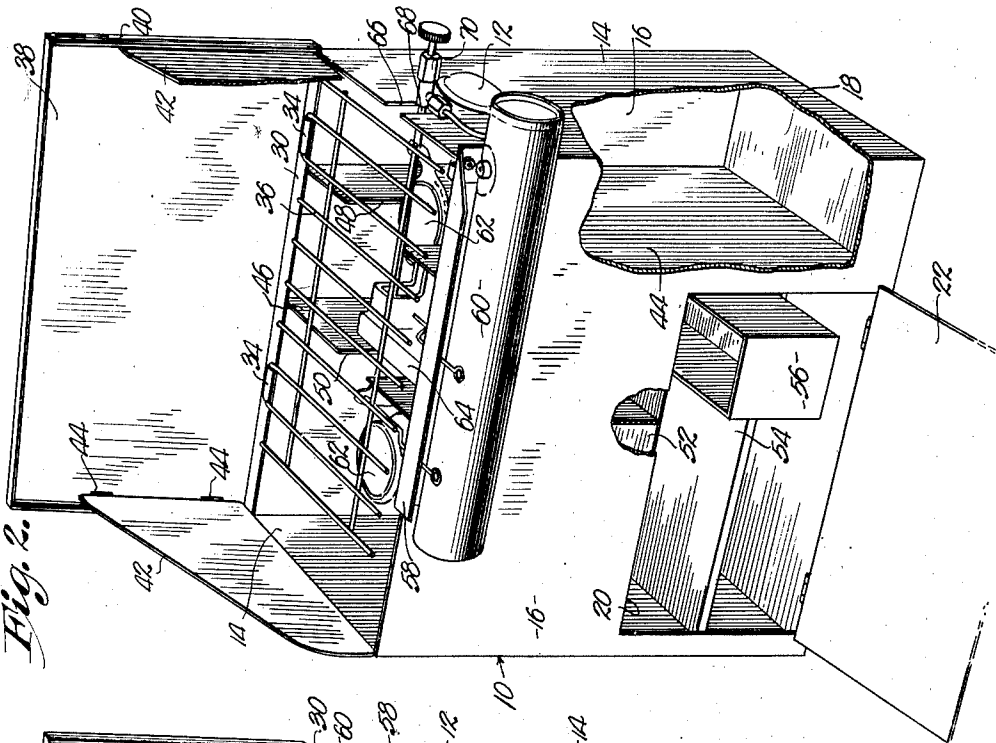


Fig. 1.

Fig. 2.

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PORTABLE CAMPING STOVE

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This invention relates to portable, self-contained cooking and dining equipment in the nature of a complete kit capable of serving a camper or those experiencing the necessity or desire of transporting the necessary apparatus for preparing and consuming food in the field.

The primary aim of the instant invention is to provide an assembly of the aforementioned character, having a case particularly designed to contain the heat generating assembly when the kit is closed, and of supporting the said assembly for use when the case of the kit is open.

Further objects of this invention include the provision of a portable camping kitchen comprising in the main, a case, partitioned to present a number of compartments, one of which is sized to receive a portable stove or heat generating assembly while the remaining compartments are disposed to have packed therein, such necessary equipment as cooking utensils, eating implements, and packaged foods.

The instant invention has for an even further object the provision of a portable, self-contained camping kitchen that may be quickly set up to function in the field and thereafter expeditiously collapsed and packed, all without use of tools or the employment of elements other than those forming a part of the entire assembly.

Further objects will appear during the course of the following specification, referring to the accompanying drawing, wherein:

Fig. 1 is a perspective view of a portable camping kitchen, made in accordance with the present invention, and illustrating the same in the self-contained condition; and

Fig. 2 is a similar view illustrating the manner in which the heat generating assembly is operatively supported by the case and the way in which the several partitions of the case provide compartments.

In the drawing, like reference characters refer to similar parts throughout the several views, and the numeral 10 generally designates a case formed of sheet metal and assuming the shape illustrated in the two figures of the drawing.

Case 10 is provided with handles 12 on each of the two end walls 14 thereof, that cooperate with side walls 16 and bottom 18 in presenting a polygonal, hollow case, normally open at its top for the purpose hereinafter set forth.

One side wall 16 is cut away to present an access opening 20 and door 22, hingedly mounted as at 24 is swingable to and from a closed position, as shown in Fig. 1. A latch 26 maintains door

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22 in the closed position as the case 10 is transported.

One of the sides of case 10 is normally open and this open side is disposed in a horizontal plane when the case is to be used. The open side is circumscribed by the uppermost edges of the side and end walls 16 and 14 respectively. The upper edge of one end wall 14 and one side wall 16 is inturned to present flanges 28 and 30 respectively to lend rigidity and to afford an anchor for chain 32 and hinges 34 of grill 36. This grill 36 is movable to and from a place where it closes substantially all of the open side of case 10.

Cover 38 hingedly secured along the upper edge of one side wall 16, has lateral flanges 40 to telescope with the upper marginal edges of one side wall 16 and the two end walls 14 when the cover is closed. Thus, a weathertight joint is presented at the zone of juncture between cover 38 and the lower portion of case 10. Wind wings 42 swingably secured as at 44 to the inner surface of cover 38, are movable to and from the operative position illustrated in Fig. 2. These wind wings are formed as shown and protect the hereinafter described burners of the heat generating assembly. When the wings 42 are against the inner face of cover 38, they overlap as shown in Fig. 1 and the depth of cover 38 is sufficient to receive not only the wings 42 but grill 36.

Case 10 is provided with a number of vertical partitions 44 and 46, each notched as at 48 and 50 respectively at their upper ends. Horizontal partitions 52 and 54 are disposed as illustrated in Fig. 2, and a drawer 56 is slidably positioned between horizontal partitions 52 and 54. Note that partitions 52 and 54 extend across the interior of case 10 from vertical partition 44 to the end wall 14 and that a storage compartment defined by partition 44, the proximal end wall 14, and the adjacent portions of side walls 16, has a depth equal to the height of case 10 and also equal to the length of the heat generating assembly, designated in its entirety by the numeral 58.

The heat generating assembly 58 comprises a fuel tank 60 and a pair of burners 62 interconnected by a frame 64, a portion whereof rests directly upon the upper edge of the forward side wall 16 to permit the positioning of burners 62 below grill 36, as illustrated in Fig. 2. A notch 66 in end wall 14 allows the passage therethrough of supply pipe 68 that extends laterally to a connection with fuel tank 60 exteriorly of case 10 when heat is being generated for cooking. Valve 70 is also isolated from the flames generated

by burners 62 when the assembly 58 is in operation.

When heat generating assembly 58 is to be stored for transportation, it is fitted into the compartment at one end of case 10 and assumes the position shown in Fig. 1. Complete isolation of the assembly 58 is permitted through the aforesaid construction, and if the parts of the kit are to be assembled when burners 62 are still warm, such may be accomplished without possibility of danger resulting from any portion of the heat generating assembly 58 coming into contact with food or articles in the remaining compartments of case 10.

The uppermost compartments or those above partition 52 are used to store and transport cooking utensils and staples such as flour, sugar and lard, and these commodities and articles are removed prior to placing the heat generating assembly in the position shown in Fig. 2.

Tools, such as knives, forks and spoons, are therefore accessible when they are kept in drawer 56 even though the burners are in operation. So also are the plates, pans and larger articles that are stored in the compartments immediately above bottom 18 of case 10 and horizontal partition 54.

Advantages other than those specified herein arise from the use of a portable camping kitchen made to embody the present invention and therefore, it is desired not to be limited to the details of use set forth. Also since kits of the character shown and described may be made to present physical characteristics different from those hereby disclosed, it is desired to be limited in the enjoyment of the invention only by the spirit thereof and scope of the appended claims.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

1. A portable camping kitchen comprising an open top case including side walls, end walls and a bottom; vertical and horizontal partitions in the case dividing the same into a number of compartments; a cover mounted on the case for movement to and from a position closing the top of the case; a grill swingably carried for disposition over at least a portion of the open top of the case; and a heat generating assembly proportioned to be received in one of the compartments of the case and having means for securement to the upper edge of the case when the cover is moved from the closed position, certain of the vertical partitions in the case having notches to receive the heat generating assembly when the same is supported in the operative position by the partitions below the grill.

2. A portable camping kitchen comprising an open top case including side walls, end walls and a bottom; vertical partitions in the case dividing the same into a number of compartments; a cover mounted on the case for movement to and from a position closing the top of the case; a grill swingably carried for disposition over at least a portion of the open top of the case; and a heat generating assembly proportioned to be entirely received in one of the compartments of the case when in an inoperative position, said heat generating assembly having a fuel tank, a plurality of burners, and a frame interconnecting the tank and said burners, the burners being each separately confined within one of said compartments in the case below the grill, the fuel tank being outside the case, and the frame overlapping a portion of the uppermost edge of the case when the said assembly is in the operative position.

3. A portable camping kitchen comprising an open top case including side walls, end walls and a bottom; partitions in the case dividing the same into a number of compartments; a cover mounted on the case for movement to and from a position closing the top of the case; a grill swingably carried for disposition over at least a portion of the open top of the case; and a heat generating assembly proportioned to be received in one of the compartments of the case and having means for securement to the upper edge of the case when the cover is moved from the closed position, one of the partitions extending vertically from the bottom to the top of the case to set off the said one compartment as a storage compartment for the heat generating assembly, said one partition having a notch therein to receive a portion of the assembly whereby the heat generating part of the assembly is below the open top of the case when the same is in the operative position.

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