L. K. SONE.

TRAVELING COOKING UTENSIL.

APPLICATION FILED FEB. 23, 1906. RENEWED MAR. 19, 1908.

900,321. Patented Oct. 6, 1908.

2 SHEETS—SHEET 1.

Fig. 1.

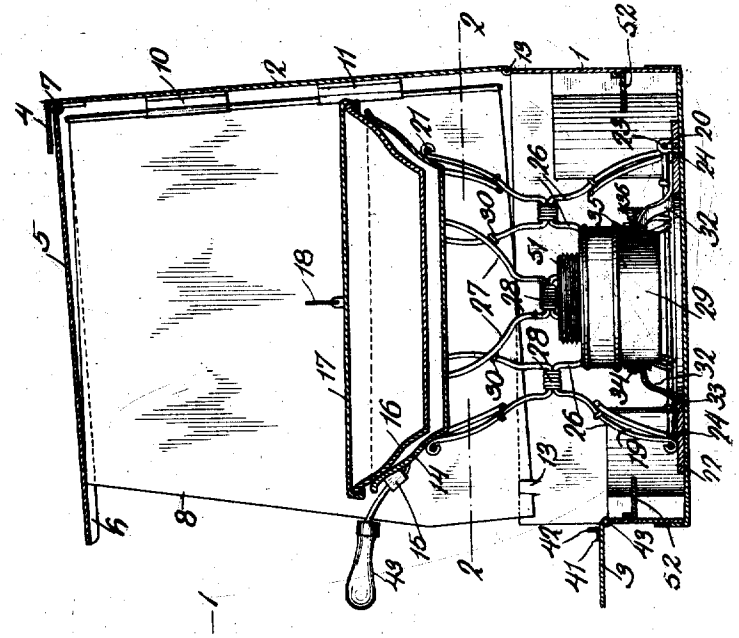
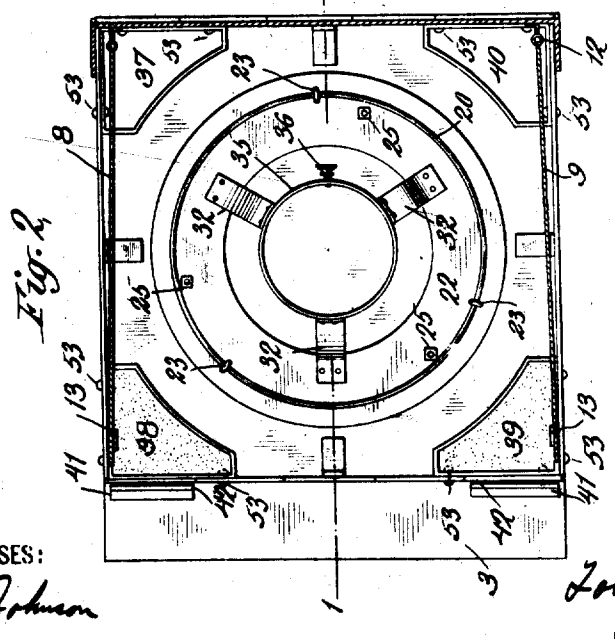


Fig. 2.



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TRAVELING COOKING UTENSIL.

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2 SHEETS—SHEET 2.

Fig. 3.

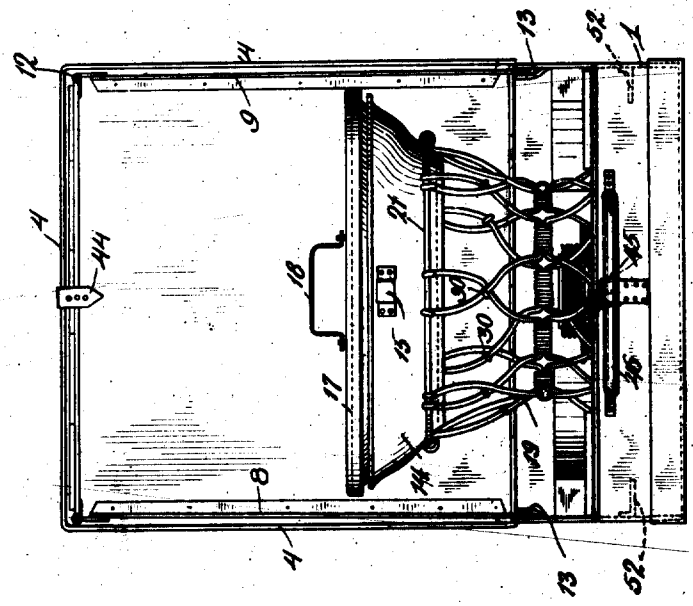


Fig. 5.



Fig. 4.

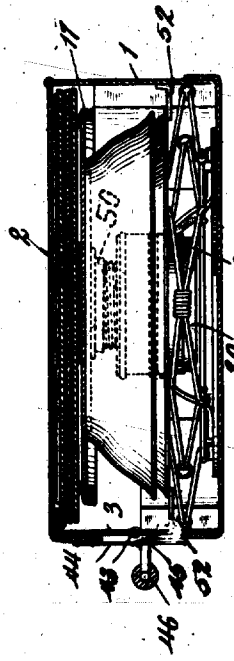
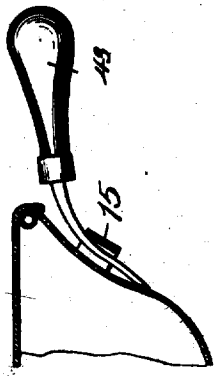


Fig. 6.



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TRAVELING COOKING UTENSIL.

No. 900,321. Specification of Letters Patent. Patented Oct. 6, 1908.

Application filed February 23, 1906, Serial No. 302,347. Renewed March 19, 1908. Serial No. 422,085.

To all whom it may concern:

Be it known that I, LOUIS K. SONE, a citizen of the United States, and resident of New York, in the county and State of New York, have invented certain new and useful Improvements in Traveling Cooking Utensils Suitable for Traveling, Camping, Automobiling, and Hospital Purposes, of which the following is a specification, taken in connection with the accompanying drawing.

This invention relates to traveling cooking utensils and a protecting collapsible box for the same, the parts being so arranged that when not in use they occupy a comparatively small space, the box inclosing the cooking utensil and serving as a container for the same. When in use the parts are extended and the box protects the cooking utensil and the lamp from wind and rain.

In the accompanying drawings showing illustrative embodiments of this invention and in which the same reference numerals refer to similar parts in the several figures, Figure 1 is a longitudinal vertical section on the line 1—1 of Fig. 2 taken through the cooking utensil and box when extended into their operative position. Fig. 2 is a horizontal section on the line 2—2 of Fig. 1, omitting the support with the exception of its lower ring 20. Fig. 3 is a front elevation looking into the box. Fig. 4 is a longitudinal vertical section through the box showing the parts in their collapsed position, the pans inverted and shown in side elevation. Fig. 5 is a vertical section of the cover. Fig. 6 is a vertical section of one of the pans showing the detachable handle.

In the illustrative embodiment of this invention shown in the drawings, 1 is a box having a cover 2, and a front pivoted portion 3. The cover 2 has a flange 4 extending around it on three sides as more clearly appears from Fig. 3 and mounted within this cover are three hinged flaps 5, 8 and 9. The flap 5 has a flange 6 extending along its two sides and is hinged to swing in a vertical plane by means of the hinge 7. The side flap 8 is hinged to the cover 2 by the hinges 10 and 11 so that it is adapted to swing in a longitudinal plane at right angles to the movement of the flap 5. The side flap 9 is also hinged to the cover 2 to swing in a horizontal plane by similar hinges, such as 12, Fig. 2. The arrangement is such that when the box is opened from the closed position shown in Fig. 4 to that shown in Figs. 1 and 3 the cover 2 is moved on its hinge 13 until it assumes nearly a vertical position, the top flap 5 is then swung upon its hinge 7 and the side flaps 8 and 9 upon their respective hinges until they are made to seat behind lugs 13, 13, which may be stamped out of the side of the box 1, or may be riveted or soldered on as desired. The upper portions of these side flaps are then pressed outward until they bear against the flanges 6—6 of the top flap 5.

The construction of the device, so far described, is such that the cover 2, top 5 and side flaps 8 and 9 will be securely held in elevated position and thereby thoroughly protect the inclosed cooking utensil from wind and rain.

This cooking utensil includes either one or two dishes or pans, two being shown in the drawing, wherein 14 designates one of them used as a water-pan having a hollow bracket 15, the other being the dish 16, and with the cover 17 having the hinged bail 18 all mounted upon the collapsible stand 19 preferably secured to the bottom of the box 1 either directly or by means of the base plate 22. I preferably make this stand of two rings 20, 21 and secure the lower ring 20 firmly upon a flat ring of iron or other suitable metal base 22 by means of staples 23 or other suitable means. This ring 22 is preferably made of strong wire, precious or otherwise, and is itself preferably secured to the bottom of the box 1 preferably by means of bolts 24 and nuts 25. To the lower ring 20 I preferably secure a series of substantially semi-circular or U-shaped members 26, made of same material, with the legs of each preferably substantially U-shaped member crossing the leg of the succeeding preferably substantially U-shaped member. To the upper ring 21 I secure similar semi-circular U-shaped members 27 and fasten the meeting edges of the two substantially U-shaped portions 26 and 27 in any suitable manner, such as by the clamping surfaces or wire 28.

While I have described and preferably use a substantially U-shaped member I do not wish to be limited to this form, as various changes in the shape of these members can be made without departing from my invention.

By using my stand I am enabled to make it occupy a comparatively small space, as shown in Fig. 4, where it is shown collapsed, and, by extending it into the position shown

in Figs. 1 and 3, the pans of the cooking utensil are held at the proper distance from the lamp 29. While ordinarily this stand will rigidly support the dishes at the proper elevation, I preferably place lugs 30, 30 upon some arms of the U-shaped members so that after the upper ring 21 has been drawn away from the lower ring 20 to its maximum extended position it may be slightly retracted towards its opposing ring 20 by pressing in towards the center the clamping surfaces 28, 28, so that their position is nearer the center of the stand 19 than the vertical plane of the rings 20 and 21. While the clamping surfaces 28, 28 are in this position further pressure upon the upper ring 21 tends to cause the elements 28, 28 to move still further towards the center, but this movement is stopped by the lugs 30, 30 against which the complementary preferably U-shaped member bears and, as this complementary preferably U-shaped member cannot pass this stop, the parts are locked in this elevated position. The advantage of this arrangement is that if the ring 21 had been carelessly separated from the ring 20 so that the portions 28, 28 were situated without the vertical plane of the two rings 20 and 21, pressure of the plates and contents upon the upper ring 21 would cause the stand to collapse and the pan 14 be brought in contact with the flame of the lamp 29 which would extinguish the same. This lamp 29 is supported on legs 32, 32, which are at one end preferably riveted by the rivets 33 to the plate or metal base 22 and at their other ends, by the rivets 34 to the ring 35 which forms the support for the lamp 29, all of these members forming a tripod for the support of the lamp. Instead of securing the members by rivets the parts may be otherwise secured in any suitable manner. This lamp is preferably held within this ring by means of a thumb screw 36 which is screwed within the ring 35 and bears against the outside surface of the lamp 29. When not in use the lamp cover 50, Fig. 4, is screwed upon the screws 51.

When the support 19 is in its collapsed position it snugly fits within the sides of the box 1. In the four corners of the box, the portion not occupied by the support or the dishes, I preferably secure by solder, rivets 53 or otherwise, four receptacles 37, 38, 39 and 40, Fig. 2. These receptacles have two sides at right angles to conform to the box 1; their inner surface as shown being formed on the arc of a circle, the center of which is the center of the stand when collapsed as shown in Fig. 4. These receptacles may contain any necessary adjunct in the use of the cooking utensil, such as bottles of alcohol and milk, and packages of salt and pepper. As an additional support for the receptacles 38, 39 I secure plates 41, 41 to the hinged interior surface 3 of the box 1 so as to permit the ribs 42, 42 of the plates 41, 41 to rest on top of the receptacles 38, 39 when the front portion 3 is swung upon its hinge 43 when the box is closed.

To pack the cooking utensil in the position shown in Fig. 1, for traveling, it is merely necessary to first collapse the stand 19, invert the dishes 14 and 16, as shown in Fig. 4, place the cover 17 upon the bottom of the dish 14, press down the bail 18, remove the removable handle 43, placing it within the box, and swing the different side and top flaps inward so that they are seated against the top 2 of the box 1 as shown in Fig. 4. When the pans are in this position I preferably support them by means of the supports 52, 52, Figs. 3 and 4, which are secured by any well known means to the interior of the box 1. After the flaps have been swung inward the top 2 can be swung upon its hinge 13 and be secured to the box 1 by means of the strap 44 and buckle 45 or by any other suitable means. The device can then be easily carried by means of the handle 46.

Ordinarily I would make the box of tin which may be ornamented in any suitable way or covered with leather or, of course, it could be made out of one of the precious metals so that while I have described this invention in connection with several illustrative embodiments thereof, I do not desire to be limited to the details, but

What I claim as new and what it is desired to secure by Letters Patent is set forth in the appended claims.

1. In a traveling cooking utensil, a collapsible support, a box, a cover having folding flaps, a lamp, and a cooking vessel or vessels.

2. In a traveling cooking utensil, the combination with the cooking utensil and a box having a top with a plurality of flaps adapted to protect the lamp of the cooking utensil.

3. In a traveling cooking utensil, a box, a cooking utensil preferably secured within the same, a collapsible support, a cover to the box, a plurality of flaps adapted to cooperate with the cover and box to protect the cooking utensil from the elements.

4. In a traveling cooking utensil, a box, a cooking utensil, a collapsible support, a cover, a plurality of flaps pivoted to the cover, two of which are adapted to form the sides of the box as extended and one to form a cover of the box as extended and all cooperating with the cover of the box to protect the cooking utensil from the elements.

5. In a traveling cooking utensil, a box, a cooking utensil, a collapsible support, a cover, a plurality of flaps pivoted to the cover, two of which are adapted to form the side of the box as extended and one to form a cover of the box as extended and all cooperating with the cover of the box to pro-

tect the cooking utensil from the elements and means upon the box adapted to coöperate with the side flaps to hold them in position.

6. In a traveling cooking utensil, a box, a cooking utensil, a collapsible support, a cover, a plurality of flaps pivoted to the cover, two of which are adapted to form the sides of the box as extended and one to form a cover of the box as extended and all coöperating with the back of the box to protect the cooking utensil from the elements the top flap having flanges to overlap the side flaps.

7. In a traveling cooking utensil, a box, a cooking utensil, a collapsible support, a cover, a plurality of flaps pivoted to the cover, two of which are adapted to form the side of the box as extended and one to form a cover of the box as extended, flanges upon the flap cover against which the side flaps are seated and lugs upon the box to hold the side flaps in position, and all coöperating with the cover of the box to protect the cooking utensil from the elements.

8. In a traveling cooking utensil, a collapsible support, a lamp, a cooking vessel or vessels, a box having a pivoted front portion, a pivoted cover and a plurality of flaps pivoted to the cover, the cover and its flaps coöperating to protect the cooking utensil from the elements and the pivoted front portion of the box permitting ready access to the interior of the box.

9. In a traveling cooking utensil, a box, a collapsible cooking utensil support mounted within the same, a cooking utensil adapted to be supported on the collapsible support and receptacles for holding articles mounted within the corners of the box.

10. In a traveling cooking utensil, a box having a pivoted front portion, a cooking utensil mounted within the box, a receptacle located within a corner of the box, a bottle or case within the same and means upon the pivoted front portion of the box adapted to coöperate with the bottle or case to hold it within the receptacle.

11. In a traveling cooking utensil, a collapsible support consisting of two rings and substantially U-shaped or bent members connecting the same, a cooking vessel adapted to be supported by the collapsible support, and a box within which the parts are mounted having a portion adapted to be opened to protect the cooking vessel from the elements.

12. In a traveling cooking utensil, a collapsible support consisting of two rings, substantially U-shaped members connecting the same and one or more lugs on the U-shaped portions, a cooking vessel adapted to be supported by the collapsible support, and a box within which the parts are mounted having a portion adapted to be opened to protect the cooking vessel from the elements.

13. In a traveling cooking utensil, a cooking vessel or vessels adapted to be supported by a collapsible support, a box within which the parts are preferably mounted, having a portion adapted to be opened to protect the vessel or vessels from the elements, a collapsible support consisting of two rings, opposed substantially U-shaped members mounted on said rings, the legs of each substantially U-shaped member connected to the same ring bisecting each other and means for connecting the meeting surfaces of each substantially U-shaped portion to the other substantially U-shaped portion.

14. In a traveling cooking utensil, a collapsible support consisting of two rings, substantially U-shaped members, the legs of each substantially U-shaped member connected to one ring bisecting the legs of the succeeding substantially U-shaped member, means for connecting the meeting surface of each substantially U-shaped portion to the other substantially U-shaped portion, and one or more stops upon the U-shaped members, a cooking vessel or vessels adapted to be supported by the collapsible support, and a box within which the parts are mounted having a portion adapted to be opened to protect the cooking vessel or vessels from the elements.

15. In a traveling cooking utensil, a collapsible support consisting of two wire rings to each of which are connected the legs of wire substantially U-shaped members, the legs of one substantially U-shaped member bisecting the legs of the succeeding substantially U-shaped member upon the same ring and means for loosely connecting the meeting surfaces of the U-shaped members, a cooking vessel or vessels adapted to be supported by the collapsible support, and a box within which the parts are mounted having a portion adapted to be opened to protect the cooking vessel or vessels from the elements.

16. In a traveling cooking utensil, a collapsible support consisting of two rings to each of which are connected the legs of wire substantially U-shaped members, the legs of one U-shaped member bisecting the legs of the succeeding substantially U-shaped member upon the same ring, means for loosely connecting the meeting surfaces of the substantially U-shaped portions, and means to lock the collapsible support in its elevated position, a cooking vessel or vessels adapted to be supported by the collapsible support, and a box within which the parts are mounted having a portion adapted to be opened and protect the cooking vessel or vessels from the elements.

17. In a traveling cooking utensil, a box a ring or base preferably secured to the box, a tripod secured to the ring, a collapsible support also secured to the ring or base, a lamp supported by the tripod, a cooking

utensil supported by the collapsible support and a cover to the box.

18. In a traveling cooking utensil, a box, a ring preferably secured to the box, a tripod secured to the ring or base, a collapsible support also secured to the ring or base; a lamp supported by the tripod, a cooking vessel supported by the collapsible support, a cover to the box, a plurality of hinged flaps secured to the cover and means for supporting the cover and flaps in open position so that the cooking utensil may be protected from the elements.

19. In a traveling cooking utensil, a collapsible support, a box, a cover having folding flaps, a lamp, a cooking vessel having a bracket, and a removable handle to engage the bracket.

20. In a traveling cooking utensil, a collapsible support, a box, a cover having folding flaps, a cooking vessel or vessels and means secured to the box to support the cooking vessel or vessels when the parts are packed.

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