A dual burner grill for cookers or foods on a tabletop includes first and second burner props including first and second top-open receptacles respectively, first and second burners fitted into the first and second top-open receptacles of the first burner prop respectively, and a burner selector for selecting the first or second burner to operate. The first burner prop surrounds the second burner prop. The first burner prop is adapted to support the cookers. The first top-open receptacle includes a groove of the shape of the first burner. The second burner prop is adapted to support the cookers. The second top-open receptacle includes a groove of the shape of the second burner. The first burner includes a gas burner, and the gas burner includes a pipe and holes along the pipe. The second burner includes a gas burner, and the gas burner includes a pipe and holes along the pipe.
DUAL BURNER GRILL

BACKGROUND OF THE INVENTION

[0001] The present invention relates to a dual burner grill. More particularly, this invention relates to a dual burner grill that has two burners in one case.

[0002] Usually the different types of dish or food material require appropriate grills. A tough and wide grill is needed to barbeque a big chunk or slice of meat while a light and small one is enough to cook some mushroom. Also, in order to working on a large cauldron, we need large burner, and small one for a tiny pot.

[0003] A kitchen crowded with many equipments, food materials, cookers, and even cooks is not a good place to waste any surface for extra grill. Grills strewn all over the places of the kitchen are dangerous, too. Still, the cooks need many kinds and sizes of fiery surfaces to cook on.

[0004] Is there any way to harmonize the two colliding requirements of the above?

[0005] The present invention is to provide a solution to that problem.

[0006] Accordingly, a need for a dual burner grill has been present for a long time considering the necessity of them in our everyday life. This invention is directed to solve these problems and satisfy the long-felt need.

SUMMARY OF THE INVENTION

[0007] The present invention contrives to solve the disadvantages of the prior art.

[0008] An object of the invention is to provide a dual burner grill.

[0009] Another object of the invention is to provide a dual burner grill which accommodates two different shapes of burners.

[0010] Still another object of the invention is to provide a dual burner grill which is convenient to discard the waste oil.

[0011] A dual burner grill for cookers or foods on a tabletop includes a first burner prop including a first top-open receptacle, a second burner prop including a second top-open receptacle, a first burner fitted into the first top-open receptacle of the first burner prop, and a second burner fitted into the second top-open receptacle of the second burner prop. The first burner prop surrounds the second burner prop.

[0012] The first burner prop is adapted to support the cookers. The first top-open receptacle includes a groove of the shape of the first burner.

[0013] The second burner prop is adapted to support the cookers. The second top-open receptacle includes a groove of the shape of the second burner.

[0014] The first burner includes a gas burner, and the gas burner includes a pipe, holes along the pipe, and a connecting part. The second burner includes a gas burner, and the gas burner includes a pipe, holes along the pipe, and a connecting part.

[0015] The first burner prop and the second burner prop are disposed below the plane defined by the tabletop.

[0016] The first burner is rectangular, and the second burner is circular.

[0017] The dual burner grill further includes a first grill top over the first burner prop, a second grill top over the second burner prop, a lid for covering the first and second burners, and a waste oil sump below the first and second burner prop.

[0018] The first grill top is detachable. The first grill top includes a grid of holes. The first grill top is made of metal. The metal includes cast iron. The second grill top is detachable. The second grill top includes a tripod.

[0019] The waste oil sump is extractable from under the first and second burner prop.

[0020] The first and second grill tops are made of cast aluminum. The first grill top is adapted to support the cookers or food.

[0021] The dual burner grill further includes a case, and one or more main gas pipes. The case encloses the first and second burners, the first and second burner props, the first and second grill tops, and the waste oil sump. The case includes a front plate, a rear plate, two side plates, and a bottom plate. The main gas pipes provides fuel gas to the burners.

[0022] The case is covered on the top by the first grill top.

[0023] The front, rear, side plates of the case include a grid of holes. Each of the grid of holes has a shape of rectangle, and the size of the rectangle is approximately three (3) to five (5) by a quarter (0.25) to three quarters (0.75) inches.

[0024] The waste oil sump is inserted into a hole, from the front side of the case, provided on the bottom plate of the case. The length of the waste oil sump along the front plate is approximately from fourteen (14) to sixteen (16) inches. The width of the waste oil sump along the side plate is approximately from ten (10) to twelve (12) inches. The height of the waste oil sump is approximately half (0.5) to one (1) inches. The waste oil sump includes a handle.

[0025] The side plate includes one or two holes for the main gas pipes that lead to the first and second burners. The size of the holes is approximately a half (0.5) to one point five (1.5) inches in diameter. The case further includes a pipe support plate for supporting the main gas pipes, and the pipe support plate is placed inside the case.

[0026] The first burner prop and the second burner prop are integrated into one.

[0027] The case includes a top flange along the top of the plates. The flange is bent downward by approximately five (5) to fifteen (15) degrees.

[0028] The dual burner grill further includes a burner selector for selecting the first or second burner to operate.

[0029] The burner selector includes a first valve to the first burner and a second valve to the second burner, and the first valve and the second valve are separate.

[0030] The dual burner grill further includes a separate lid for covering the burner selector. The burner selector is disposed in the vicinity of the first grill top.

[0031] The advantages of the present invention are: (1) the dual burner grill is convenient to choose and use one out of
two different type of burners; (2) the dual burner grill is easy to discard the waste oil due to the front loading of the waste oil sump; and (3) the dual burner grill enables to dispose two burners in one case by using the space efficiently.

[0032] Although the present invention is briefly summarized, the fuller understanding of the invention can be obtained by the following drawings, detailed description and appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0033] These and other features, aspects and advantages of the present invention will become better understood with reference to the accompanying drawings, wherein:

[0034] FIG. 1 is a perspective view of a dual burner grill according to the present invention;
[0035] FIG. 2 is a cross-sectional view along II-II of FIG. 1;
[0036] FIG. 3 is a plan view of first and second burner props of the dual burner grill according to the present invention;
[0037] FIG. 4 is a plan view of a first grill top;
[0038] FIG. 5 is a plan view of a tripod of a second grill top;
[0039] FIG. 6 is a perspective view of a first burner;
[0040] FIG. 7 is a perspective view of a second burner;
[0041] FIG. 8 is a top plan view of a dual burner grill with the first grill top in place;
[0042] FIG. 9 is a front view of a case of the dual burner grill;
[0043] FIG. 10 is a perspective view of a waste oil sump;
[0044] FIG. 11 is a plan view of a pipe support plate;
[0045] FIG. 12 is a first side view of the case;
[0046] FIG. 13 is a second side view of the case;
[0047] FIG. 14 is a perspective view of a lid of the first grill top; and
[0048] FIG. 15 is a plan view of the dual burner grill with lids closed.

DETAILED DESCRIPTION OF THE INVENTION

[0049] FIG. 1 shows a perspective view of a dual burner grill 100 according to the present invention.

[0050] The dual burner grill 100 for cookers or foods on a tabletop includes a first burner prop 10 including a first top-open receptacle 11, a second burner prop 20 including a second top-open receptacle 21, a first burner 12 (refer to FIG. 6) fitted into the first top-open receptacle 11 of the first burner prop 10, and a second burner 22 (refer to FIG. 7) fitted into the second top-open receptacle 21 of the second burner prop 20. The first burner prop 10 surrounds the second burner prop 20 as shown in FIG. 1 and FIG. 3.

[0051] The first burner prop 10 is adapted to support the cookers. The first top-open receptacle 11 includes a groove 13 of the shape of the first burner 12.

[0052] The second burner prop 20 is adapted to support the cookers. The second top-open receptacle 21 includes a groove 23 of the shape of the second burner 22.

[0053] The first burner 12 includes a gas burner, and the gas burner includes a pipe 14, holes 15 along the pipe 14, and a connecting part 16 as shown FIG. 6. The second burner 22 includes a gas burner, and the gas burner includes a pipe 24, holes 25 along the pipe 24, and a connecting part 26 as shown in FIG. 7.

[0054] The first burner prop 10 and the second burner prop 20 are disposed below the plane defined by the tabletop.

[0055] The first burner 12 is substantially rectangular, and the second burner 22 is substantially circular.

[0056] The dual burner grill 100 further includes a first grill top 17 over the first burner prop 10, a second grill top 27 over the second burner prop 20, a lid 30 for covering the first and second burners 12, 22, and a waste oil sump 32 below the first and second burner prop 10, 20 as shown in FIGS. 3, 8-10, 14, and 15.

[0057] The first grill top 17 is detachable. The first grill top 17 includes a grid of holes 91. The first grill top 17 is made of metal. The metal includes cast iron. The second grill top 27 is detachable. The second grill top 27 includes a tripod 33 as shown in FIG. 5.

[0058] The waste oil sump 32 is extractable from under the first and second burner props 10, 20 as shown in FIG. 9 and FIG. 10.

[0059] The first and second grill tops 17, 27 are made of cast aluminum. The first grill top 17 is adapted to support the cookers or food.

[0060] The dual burner grill 100 further includes a case 34, and one or more main gas pipes 36 as shown in FIG. 1 and FIG. 2. The case 34 encloses the first and second burners 12, 22, the first and second burner props 10, 20, the first and second grill tops 17, 27, and the waste oil sump 32. The case 34 includes a front plate 41, a rear plate 42, two side plates 43, 43', and a bottom plate 44 as shown in FIGS. 1, 9, 12, and 13. The main gas pipes 36 provide fuel gas to the burners 12, 22 as shown in FIG. 1.

[0061] The case 34 is covered on the top by the first grill top 17 as shown in FIG. 8.

[0062] The front, rear, side plates 41, 42, 43 of the case 34 comprise a grid of holes 92. Each of the grid of holes 92 has a shape of rectangle, and the size of the rectangle is approximately three (3) to five (5) by a quarter (0.25) to three quarters (0.75) inches.

[0063] The waste oil sump 32 is inserted into a hole 45, from the front side 41 of the case 34, provided over the bottom plate 44 of the case 34 as shown in FIG. 9. The length of the waste oil sump 32 along the front plate is approximately from fourteen (14) to sixteen (16) inches. The width of the waste oil sump 32 along the side plate is approximately from ten (10) to twelve (12) inches. The height of the waste oil sump 32 is approximately a half (0.5) to one (1) inches. The waste oil sump 32 includes a handle 35.

[0064] The side plate 43 of the case 34 includes one or two holes 49 for the main gas pipes 36 that lead to the first and
second burners 12, 22 as shown in FIG. 1 and FIG. 12. The size of the holes 49 depends on the size of the main gas pipes 36 and is approximately a half (0.5) to one point five (1.5) inches in diameter. The case 34 further includes a pipe support plate 38 for supporting the main gas pipes 36, and the pipe support plate 38 is placed inside the case 34 as shown in FIG. 2. The pipe support plate 38 includes one or more holes 39 for the main gas pipes 36 as shown in FIG. 11.

[0065] The first burner prop 10 and the second burner prop 20 may be integrated into one as shown in FIG. 3. The case 34 includes a top flange 50 along the top of the plates 41, 42 as shown in FIGS. 9 and 11-13. The flange 50 is bent downward by approximately five (5) to fifteen (15) degrees and approximately two eighth (\(\frac{1}{8}\)) to four eighth (\(\frac{1}{4}\)) inches wide.

[0066] The dual burner grill 100 further includes a burner selector 29 for selecting the first or second burner 12, 22 to operate.

[0067] The burner selector 29 includes a first valve 18 to the first burner 12 and a second valve 28 to the second burner 22, and the first valve 18 and the second valve 28 are separate as shown in FIG. 2.

[0068] The dual burner grill 100 further includes a separate lid 31 for covering the burner selector 29 as shown in FIG. 15. The burner selector 29 is disposed in the vicinity of the first grill top 17.

[0069] While the invention has been shown and described with reference to different embodiments thereof, it will be appreciated by those skilled in the art that variations in form, detail, compositions and operation may be made without departing from the spirit and scope of the invention as defined by the accompanying claims.

What is claimed is:

1. A dual burner grill for cookers or foods on a tabletop comprising:
   a) a first burner prop comprising a first top-open receptacle;
   b) a second burner prop comprising a second top-open receptacle;
   c) a first burner fitted into the first top-open receptacle of the first burner prop; and
   d) a second burner fitted into the second top-open receptacle of the second burner prop,
   wherein the first burner prop surrounds the second burner prop.

2. The dual burner grill of claim 1, wherein the first top-open receptacle comprises a groove of the shape of the first burner, wherein the second top-open receptacle comprises a groove of the shape of the second burner.

3. The dual burner grill of claim 1, wherein the first burner comprises a gas burner, wherein the gas burner comprises a pipe, holes along the pipe, and a connecting part, wherein the second burner comprises a gas burner, wherein the gas burner comprises a pipe, holes along the pipe, and a connecting part.

4. The dual burner grill of claim 1, wherein the first burner prop and the second burner prop are disposed below the plane defined by the tabletop.

5. The dual burner grill of claim 1, wherein the first burner is rectangular, wherein the second burner is circular.

6. The dual burner grill of claim 1, further comprising:
   a) a first grill top over the first burner prop;
   b) a second grill top over the second burner prop;
   c) a lid for covering the first and second burners; and
   d) a waste oil sump below the first and second burner prop.

7. The dual burner grill of claim 6, wherein the first and second grill tops are detachable, wherein the first grill tops comprises a grid of holes, wherein the second grill top comprises a tripod, wherein the first and second grill tops are made of metal, wherein the metal comprises cast iron and cast aluminum.

8. The dual burner grill of claim 7, wherein the waste oil sump is extractable from under the first and second burner prop.

9. The dual burner grill of claim 7, wherein the first grill top is adapted to support the cookers or food.

10. The dual burner grill of claim 7, further comprising:
    a) a case for enclosing the first and second burners, the first and second burner props, the first and second grill tops, and the waste oil sump, wherein the case comprises a front plate, a rear plate, two side plates, and a bottom plate; and
    b) one or more main gas pipes through the side plate for providing fuel gas to the burners.

11. The dual burner grill of claim 10, wherein the case is covered on the top by the first grill top, wherein the front, rear, side plates of the case comprise a grid of holes, wherein each of the grid of holes has a shape of rectangle, wherein the size of the rectangle is approximately three (3) to five (5) by a quarter (0.25) to three quarters (0.75) inches.

12. The dual burner grill of claim 10, wherein the waste oil sump is inserted into a hole, from the front side of the case, provided on the bottom plate of the case, wherein the length of the waste oil sump along the front plate is approximately from fourteen (14) to sixteen (16) inches, wherein the width of the waste oil sump along the side plate is approximately from ten (10) to twelve (12) inches, wherein the height of the waste oil sump is approximately a half (0.5) to one (1) inches.

13. The dual burner grill of claim 12, wherein the waste oil sump comprises a handle.

14. The dual burner grill of claim 10, wherein the side plate comprises one or two holes for the main gas pipes that lead to the first and second burners, wherein the size of the holes is approximately a half (0.5) to one point five (1.5) inches in diameter, wherein the case further comprises a pipe support plate for supporting the main gas pipes, wherein the pipe support plate is placed inside the case, wherein the pipe support plate comprises one or more holes for the main gas pipes.

15. The dual burner grill of claim 10, wherein the case comprises a top flange along the top of the plates, wherein the flange is bent downward by approximately five (5) to fifteen (15) degrees.

16. The dual burner grill of claim 10, wherein the length of the front plate is approximately twenty (20) to twenty three (23) inches, wherein the height of the front plate of the case is approximately eight (8) to ten (10) inches.
17. The dual burner grill of claim 1, wherein the first burner prop and the second burner prop are integrated into one.

18. The dual burner grill of claim 1, further comprising a burner selector for selecting the first or second burner to operate.

19. The dual burner grill of claim 18, wherein the burner selector comprises a first valve to the first burner and a second valve to the second burner, wherein the first valve and the second valve are separate.

20. The dual burner grill of claim 18, further comprising a separate lid for covering the burner selector, wherein the burner selector is disposed in the vicinity of the first grill top.

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