

April 11, 1939.

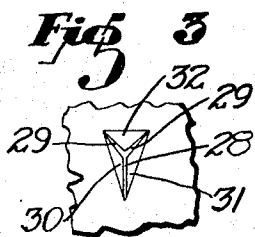
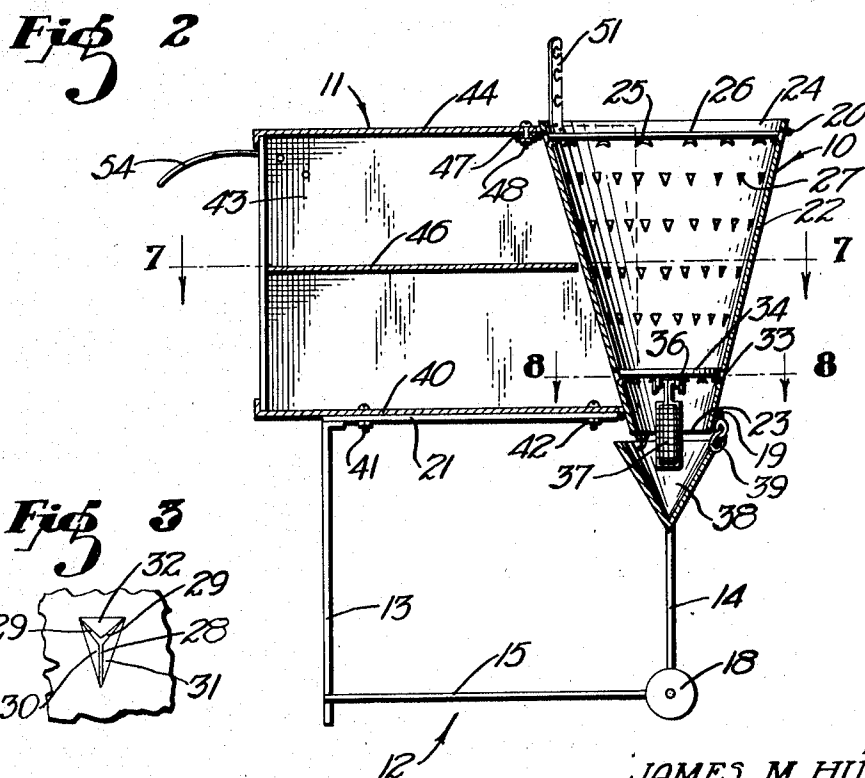
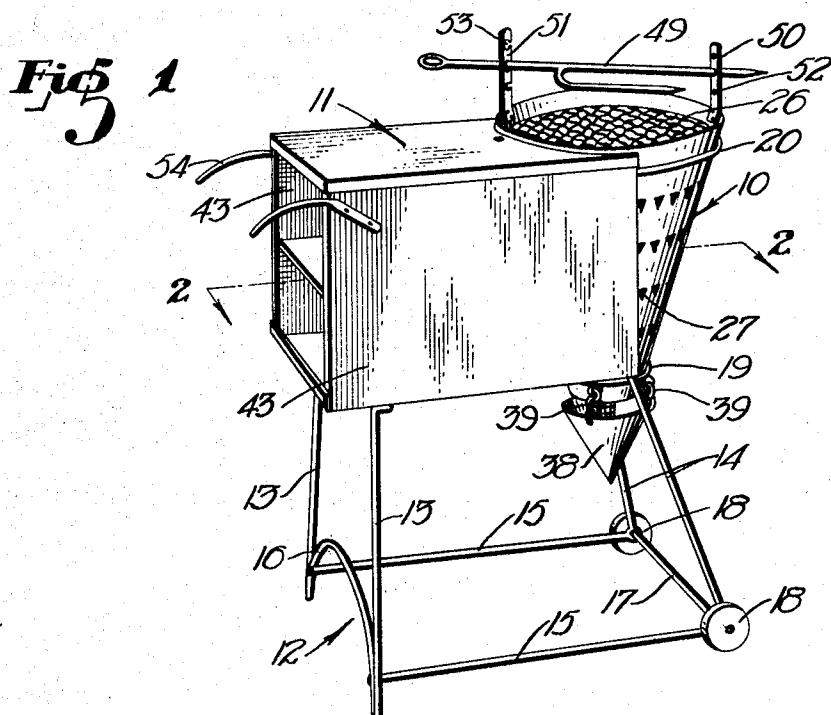
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2,154,165

BARBECUE STAND

Filed July 18, 1936

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig 4

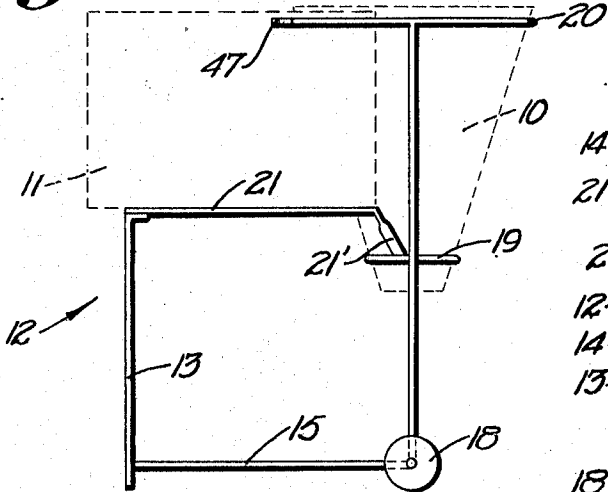


Fig 5

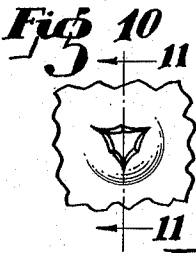
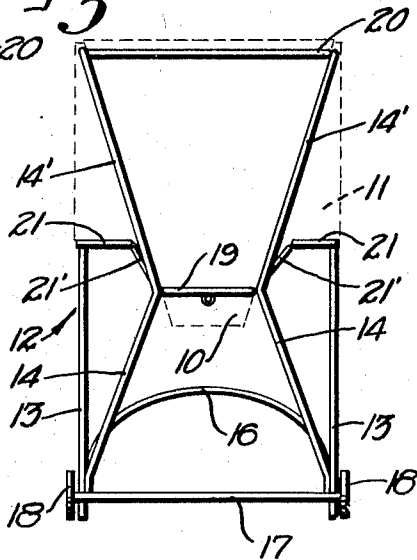


Fig 7

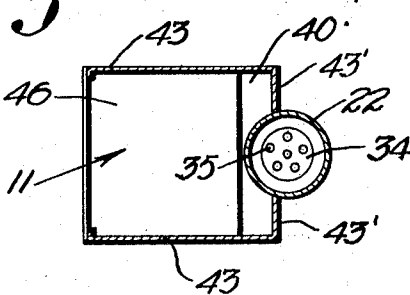


Fig 6

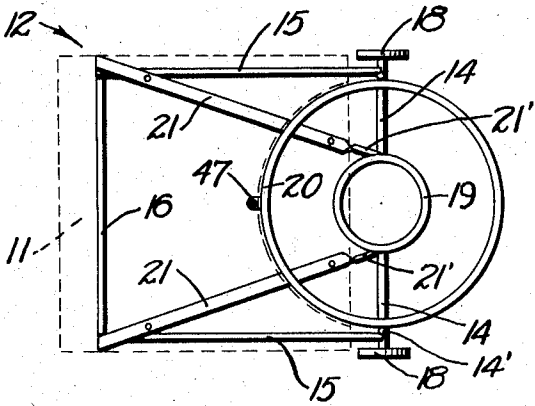


Fig 8

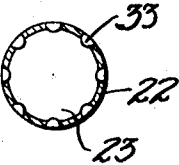
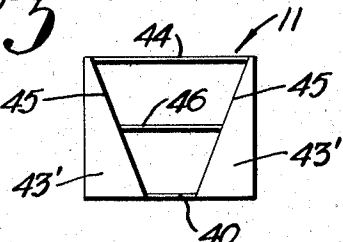


Fig 9



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BARBECUE STAND

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7 Claims. (Cl. 126—29)

This invention relates to garden furniture, and particularly pertains to a barbecue stand.

At the present time there is a considerable demand for outdoor furniture which may be used in gardens, outdoor living rooms, and patios. This furniture includes swings, settees, and chairs, and it has now become the vogue to include portable cooking equipment as articles of garden furniture. This equipment may be placed on stands, but due to the difficulty in moving a stand and a cooking structure from place to place it is desirable to make them more conveniently handled by embodying a heating unit and an oven structure upon a frame supported on wheels by which it may be easily moved from place to place, and it is the principal object of the present invention to provide a barbecue stand which embodies a heating unit and in connection with which a grill and an oven are associated, said elements being supported on a running gear by which the entire structure may be easily moved from place to place.

The invention contemplates the provision of a barbecue pot within which fuel, such as charcoal, may be placed, said pot having an open mouth to support a broiling grill, and at the side of which is an oven structure deriving its heat from the barbecue pot, the pot and the oven being mounted upon a wheel sub-frame.

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

Figure 1 is a view in perspective showing the barbecue stand with which the present invention is concerned.

Fig. 2 is a view in central vertical section through the barbecue stand showing the relationship of the oven and the barbecue pot.

Fig. 3 is a fragmentary view in elevation showing one of the draft openings in the wall of the barbecue pot.

Fig. 4 is a view in side elevation showing the frame structure for supporting the oven and the barbecue pot, the pot and oven being indicated in dotted lines.

Fig. 5 is a view in end elevation showing the frame structure for supporting the barbecue pot and the oven, said elements being indicated in dotted lines.

Fig. 6 is a view in plan showing the frame structure for the barbecue pot and the oven, said elements being indicated in dotted lines.

Fig. 7 is a view drawn on a reduced scale showing the relationship of the barbecue pot and the oven as seen on the lines 7—7 of Fig. 2.

Fig. 8 is a view in section and elevation through the barbecue pot as seen on the line 8—8 of Fig. 2

showing the manner in which the tangs form a shelf for the grate.

Fig. 9 is a view in elevation showing the rear end of the oven.

Fig. 10 is a fragmentary view in elevation showing one of the draft perforations in the wall of the barbecue pot.

Fig. 11 is a view in section through the draft perforation as seen on line 11—11 of Fig. 10.

Referring more particularly to the drawings, 10 indicates a barbecue pot here shown as representing the inverted frustum of a cone, and associated with which pot is an oven structure 11, both being mounted upon a frame structure 12. The frame structure is more particularly shown in Figs. 4 to 6 of the drawings in which it will be seen as having a pair of vertical legs 13 at its forward end and a pair of divergent legs 14 at its opposite end. The divergent legs extend outwardly to substantially the plane of the forward legs 13 and are connected to the forward legs by horizontal members 15. The forward legs 13 are cross-connected at their lower ends by an intermediate member 16. The rear legs 14 are cross-connected at their lower ends by an axle 17 upon which running gear wheels 18 are mounted. The rear legs 14 extend upwardly and inwardly to a point where they engage a lower frame ring 19. Portions 14' then extend upwardly and outwardly and at their upper ends carry a relatively large frame ring 20. These two rings provide a support for the barbecue pot 10 and permit it to be placed in position or removed as desired. Extending horizontally from the forward legs 13 is a pair of frame bars 21 which terminate at their rear ends in downward portions 21' by which they are connected to the lower ring 19. The upper horizontal frame elements 21 are disposed at an angle to each other and provide a support for the oven 11. The barbecue pot is formed with an inverted frusto-conical sheet metal wall 22 which has a relatively small open lower end 23 and a relatively large open mouth 24 at its top. The margin of the mouth extends slightly above the top of the oven, while the barbecue pot rests within the rings 19 and 20. Formed through the wall 22 adjacent the mouth is a plurality of tangs 25 which project inwardly and serve as a support for a grill 26. The wall 22 is formed with a plurality of circumferentially extending rows of draft perforations 27. These perforations are shown in detail in Fig. 3 where it will be seen that they are formed by making a Y-slit through the metal of the wall 22 with one leg of the Y extending

vertically as indicated at 28 and the divergent upper legs 29. These form triangular tangs 30, 31, and 32 which are bent inwardly to form a draft opening, the tang 32 acting to shelter the slit opening and to support fuel and the combusted materials so that it will not sift through the slit opening to the exterior of the barbecue pot. In a horizontal plane at a desired distance above the lower open end 23 of the pot a plurality of tangs 33 are formed in the wall 22 and extend inwardly to support a grate disc 34 which is provided with suitable perforations 35. The grate disc 34 is formed with a pair of downwardly extending tangs 36 which receive the upper ends of a reticulated frame 37 carrying fibrous wick material. The material may be soaked in kerosene and used to kindle a fire within the barbecue pot. Disposed beneath the open bottom 23 of the barbecue pot is an inverted shell member 38 which is supported from the lower ring 19 by connections 39. This member acts to catch any ashes which would sift through the grate 34. Resting upon the horizontal members 21 of the frame is the oven 11. This structure includes a floor plate 40 which is bolted to the frame members 21 at 41 and 42. Side walls 43 extend upwardly from the floor 40 and at their top support a top plate 44. This plate is substantially in the plane of the mouth 24 of the barbecue pot 10 and provides a serving table. The upper plate 44 may be made of stainless steel so that it will be more serviceable when food is placed thereon. The side plates 43 terminate at their rear vertical edges in inturned triangular portions 43' which have diagonal edges 45 fitting against the downwardly and inwardly tapered sides of the barbecue pot wall 22 and closing the same in, it being understood that the floor 40 of the oven and the top 44 are formed at their rear edges with arcuate portions which conform to the circumference of the barbecue pot in their plane of contact therewith. Disposed at a point intermediate the top and bottom plates 44 and 40 is a shelf 46. This shelf is rectangular in shape as shown particularly in Fig. 7 of the drawings, and thus does not require that it shall fit and conform to the tapered side wall of the barbecue pot. In addition to the bolts 41 which secure the oven to the frame structure a flange 47 is formed integral with the upper barbecue pot ring 20 and extends horizontally beneath the upper plate 44 where it is fastened by a bolt 48. It will be understood that the grill 26 is formed of reticulated material and that foods to be cooked may be placed directly upon it, or that they may be supported on the spit 49 carried by standards 50 and 51. These standards extend vertically and parallel to each other at the top of the barbecue pot. The standard 50 is formed with a plurality of perforations 52 to receive the spit 49 while the standard 51 is formed with a plurality of open side slots 53 to receive the opposite end of the spit.

In operation of the present invention the structure is assembled as shown in Fig. 1. It will thus be seen that the frame 12 provides a running gear so that the entire structure may be moved from place to place by handles 54 which are fastened to the oven. When the device is to be used the wick structure 37 may be soaked in a suitable liquid fuel, such as kerosene, and the grate 34 may then be placed in position on the tangs 33. At this time the grill 26 has of course been removed so that fuel may be placed on top of the grate to be ignited when the wick structure 37 is lit. This fuel may be charcoal or

other desirable material. After the fuel has been placed in the barbecue pot the grill 26 may be positioned upon the tangs 25 and as soon as the fuel has been sufficiently ignited the barbecue pot is ready for use. It will be seen that heat will radiate directly into the oven and that it will serve the double purpose of warming the oven and supplying cooking heat for meats and the like which might be placed on the grill. If it is desired to use the spit 49 this may be done. When foods are served they may be placed on the top of the oven 44. After the barbecue pot has been used it may be lifted bodily from the supporting rings 19 and 20 and thereafter emptied and cleaned ready for further use.

It will thus be seen that the structure here disclosed provides a rigid frame structure carrying a running gear by which the device may be easily moved from place to place, and that furthermore a convenient combination of an oven and barbecue pot is provided for outdoor use, the barbecue pot being so mounted as to make it possible for it to be readily removed, emptied and replaced.

While I have shown the preferred form of my invention, as now known to me, it will be understood that various changes might be made in the combination, construction, and arrangement of parts, by those skilled in the art, without departing from the spirit of the invention as claimed.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A device of the character described comprising: a wheeled frame structure; an oven connected to said frame; upper and lower ring members provided on said frame; a barbecue pot; means formed integral with said pot and adapted for engagement with said ring members for supporting said pot in position in said frame; a grate associated with said pot; means integral with said pot for supporting said grate in the lower part thereof; a priming member connected to the lower surface of said grate; and an ash receiver detachably connected to said pot.

2. A device of the character described comprising: a frame structure; walls providing an oven connected to said frame structure; ring members secured to said frame; a barbecue pot detachably mounted on said frame structure and adapted for engagement with said ring members for supporting it in position on said frame structure; a grate associated with said pot; and extensions on said pot for supporting said grate in position therein.

3. A device of the character described comprising: a supporting frame; an oven connected to said frame; upper and lower ring members carried by said frame; a barbecue pot associated with said frame; means on said pot adapted for engagement with said ring members for supporting said pot on said frame; a grate disposed in the lower part of said pot; means on said pot adapted for engagement with said grate for supporting it in position therein; a priming member connected to the lower part of said grate; and an ash receiver connected to the lower end of said pot.

4. A portable barbecue device comprising: a frame; extensions on said frame at one end thereof; a barbecuing pot associated with said frame and having a series of rows of air openings in its wall and providing a series of rows of tangs projecting inwardly thereof, said pot being supported in position by said extensions; a grate

supported within said pot by one of said rows of tangs; a grill supported by another of said rows of tangs; and a primer for the combustible material in said pot secured to the lower surface of said grate.

5 5. A device of the character described comprising: a frame structure; walls providing an oven connected to said frame structure; ring members secured to said frame structure; a barbecue pot detachably mounted on said frame structure and being supported by said ring members; a grate associated with pot; and extensions on said pot for supporting said grate in position therein.

10 15 6. A device of the character described comprising: a frame structure; a barbecue pot associated with said frame structure; upper and lower ring members on said frame structure for sup-

porting said pot in position thereon; a grate adapted for location within the lower part of said pot; a grill adapted for location within the upper part of said pot; and means on said pot adapted for engagement with said grate and said grill for supporting said elements in position therein.

7. A device of the character described comprising: a frame structure; walls providing an oven connected to said frame structure; ring members connected to said frame structure; a barbecue pot adapted to fit within said ring members for supporting it in position on said frame structure; a grate associated with said pot; and extensions formed on said pot for supporting said grate in position therein.

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