

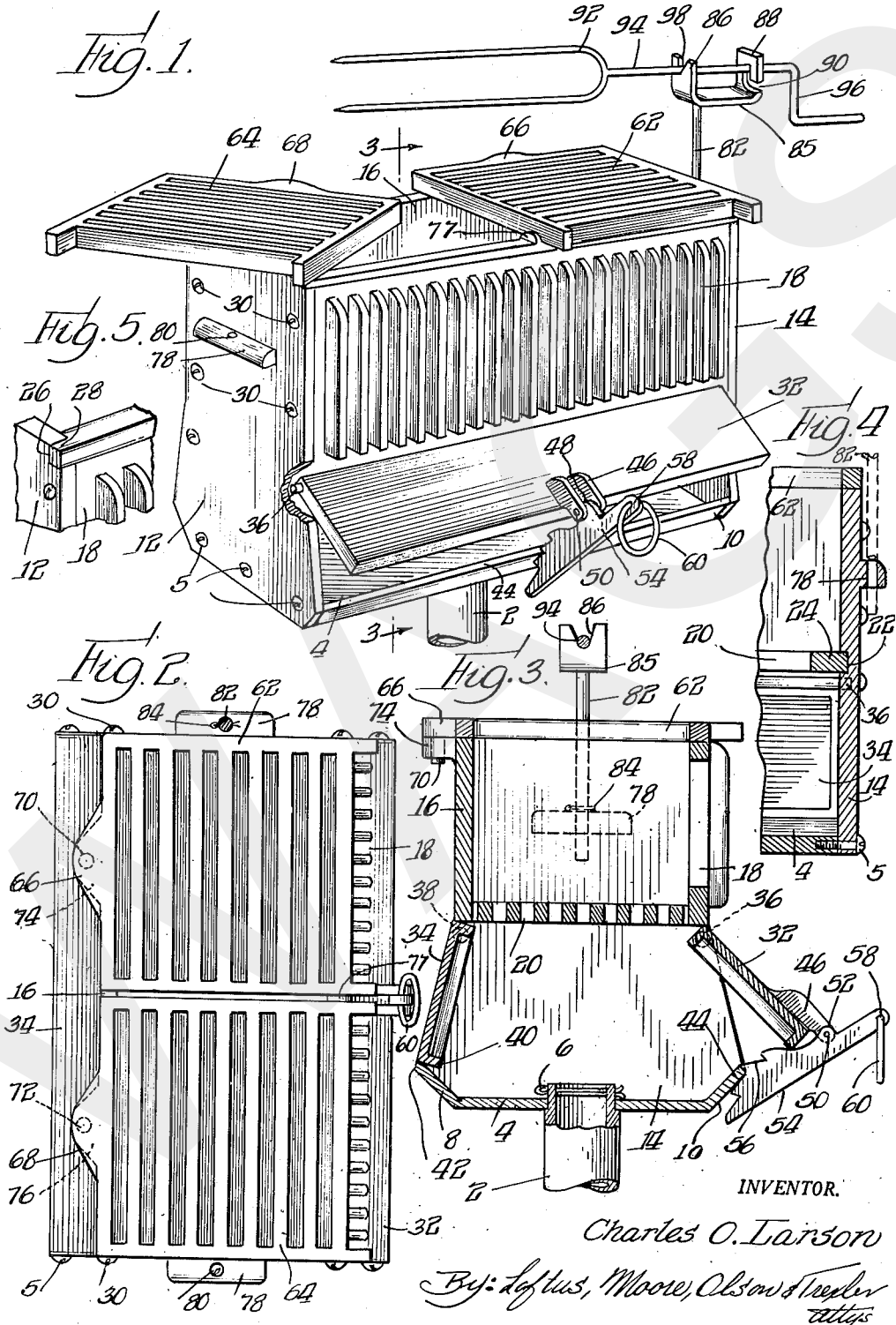
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OUTDOOR FIREPLACE

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# UNITED STATES PATENT OFFICE

2,482,068

## OUTDOOR FIREPLACE

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This invention relates to an outdoor fire box or fireplace, preferably adapted to hold charcoal or other suitable fuel, and particularly adapted for cooking.

Among the objects of the present invention is to provide a cast iron outdoor charcoal fireplace composed of knockdown cast iron parts, all of which are substantially flat, to promote convenience in shipping and assembly.

Yet another object of the invention resides in providing an outdoor cast iron fireplace pivotally mounted upon a pedestal, whereby the same may be turned in various directions in accordance with the direction of the wind to enhance the draft.

Yet another object of the invention resides in providing an outdoor fireplace having the fire box provided with front and rear clean-out doors, which may be simply and easily adjusted to draft positions.

Yet another object of the invention resides in providing a fireplace of the foregoing character wherein the top grill sections are pivotally mounted in a horizontal plane, not only for inserting fuel upon the grate, but also for permitting the grill portions to be swung away from the zone of fire, if desired.

Yet another object of the invention resides in providing a simple type of spit for roasting chickens and the like over the top grill.

Further objects of the invention will be apparent from a perusal of the following specification when taken in connection with the accompanying drawing, wherein:

Figure 1 is a perspective view of my improved outdoor fireplace;

Figure 2 is a plan view of the same;

Figure 3 is a section taken on the line 3—3 of Figure 1;

Figure 4 is a sectional view showing the manner in which the grate is mounted in the side members; and

Figure 5 is a view showing the construction whereby the front and back members are united to the side members.

Referring to the drawings in detail, the outdoor fireplace is preferably designed to be swivelly mounted upon an upright pedestal 2. The fireplace itself comprises a bottom ash pan 4 having its bottom horizontally disposed, the bottom being provided with an opening to receive the upper end of the pivotal post 2, a cotter pin 6 preferably passing through a hole in the tube to maintain the base assembled on the upper end of the post. The bottom of the ash pan is preferably rectan-

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gular in shape and is provided on each side with upwardly inclined lips or flanges 8 and 10. In addition there are two side pieces 12 and 14 which are bolted to the ash pan by means of bolts 5. In addition, there is a back fireside 16, and a grated front fireside 18, and a grate member 20. In order to hold the grate 20 in position, the two sides are each provided with horizontal grooves 22 to receive the end portions 24 of the grate 20. In addition the sides are provided with shoulders 26 at their top, adapted to receive lugs 28 on the top end portions of the front grate member 18 and the back member 16. In addition, bolts 30 pass through the edges of the side members and engage the front grate 18 and the back member 16 whereby to hold these in rigid assembly.

Front and back clean-out and draft doors 32 and 34 are pivoted as at 36 and 38 to the side members 12 and 14 respectively whereby at least the front clean-out door may be swung to variously adjusted positions. The bottom 40 of each clean-out door is adapted to rest upon the top lip 42 and 44 of the flanges 8 and 10 of the ash pan so as to close these openings when desired. In addition the front clean-out door 32 is provided with a pair of spaced apart lugs 46 having registering apertures 48 through which a pin 50 passes, said pin likewise passing through an apertured lug 52 on a latching device 54, the inner upper face of which is provided with a series of notches 56 and the outer end of which is provided with a lever-like extension 58 carrying a ring 60. By means of this construction the latch 54 may have any one of the notches resting on the upper lip 44 of the ash pan, whereby to hold the door in open adjusted position.

The top of the fire box is preferably closed by a pair of grills 62 and 64. Each one of these grills is provided with lugs such as 66 and 68 which are pivotally mounted as at 70 and 72 to a corresponding lug 74 and 76 on the top side of the back member 16. A stop 77 on the front member 18 provides means whereby the two grills may be swung into parallelism fully to cover the top of the fire box. As shown in Figure 1, these grills may be conveniently swung to open position in order to load the fire box or to remove a steak or other foodstuff being cooked on the grill, if desired.

In addition, one or both of the sides is provided with an outstanding lug 78 having a vertical aperture 80 therethrough. These lugs 78 are apertured underneath to provide hand holes for lifting the fire box, if desired. In addition, an outstanding rod 82 is swivelly mounted by means of

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a cotter pin 84 in the holes 80 of the lug 78, the upper ends of the rod 82 projecting well above the top grills 62 and 64. This rod is provided at its top with a bracket 85 having at one end an upstanding flange 86 and spaced therefrom and upstanding, another flange 88 having on its side a bayonet slot 90. A relatively large fork 92 is provided having a handle 94 and a laterally bent crank portion 96. The handle 94 is adapted to rest in the V-shaped groove 98 of the bracket 86 and then to be placed within the bayonet slot 90 of the other bracket 88, whereby detachably to hold it securely in position projecting over the grills 62 and 64.

Obviously the invention is not limited to the specific details of construction disclosed herein but is capable of other modifications and changes without departing from the spirit and scope of the appended claims.

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

1. An outdoor fireplace formed of substantially flat cast iron pieces comprising an ash pan having a flat, horizontal bottom merging into oppositely and upwardly inclined flanges, a pair of side plates connected to the sides of said ash pan, said opposed side plates having shoulders spaced above said ash pan, a grate having its end mounted on the shoulders of said side members to be supported therefrom, a back member above the grate and connected to said side plates forming a back for said fire box, a front grill member connected to the side plates above the grate to form a front for the fire box, a pair of swinging clean-out doors, each having its top edge portion pivotally mounted on the side plates at opposite ends thereof to permit said doors to swing to closed position to close said opposed openings of said ash box, the bottom edges of said doors resting upon the upper edges of said oppositely and upwardly inclined flanges, and grill means for the top of said fire box.

2. An outdoor fireplace or fire box comprising a bottom ash pan having a substantially flat bottom and at two of its sides upwardly and outwardly inclined flanges, substantially flat side plates connected to said bottom and upstanding therefrom, flat front and back grate members

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at least one of which is provided with grilled openings, said front and back members being connected to said side plates and forming therewith a fire box, front and back clean-out doors pivotally connected at their upper edges to said side plates below said front and back grate members, the bottom edges of said clean-out doors being adapted to close in downwardly inclined position upon the respective top edges of said upwardly and outwardly inclined flanges of said ash pan, and a grate carried by said side plates above said clean-out doors and ash pan, and grill means extending across the top of said fire box and pivotally mounted on one of said grate members to swing either to a position over the fire box or to swing to open position relatively to and away from said fire box whereby the fire box may be filled and whereby in said open position said grill means comprises horizontally disposed shelf-like means.

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## REFERENCES CITED

The following references are of record in the file of this patent:

## UNITED STATES PATENTS

Number	Name	Date
211,550	Born	Jan. 21, 1879
305,650	Zetzshe	Sept. 23, 1884
700,228	O'Brien	May 20, 1902
747,100	Stockon	Dec. 15, 1903
902,724	Giovanna	Nov. 3, 1908
980,501	Doll	Jan. 3, 1911
1,000,020	Lachaine	Aug. 8, 1911
1,442,584	Schey	Jan. 16, 1923
1,454,384	Higham	May 8, 1923
1,669,852	Britton	May 15, 1928
2,021,915	Hancock	Nov. 26, 1935
2,161,669	Freeman	June 6, 1939
2,246,440	Hester	Jan. 17, 1941
2,307,914	Bitney	Jan. 12, 1943
2,314,791	Jones	Mar. 23, 1943

## FOREIGN PATENTS

Number	Country	Date
3,627	Great Britain	1904
311,566	Germany	Mar. 22, 1919