Oct. 8, 1946. N. J. KUNST 2,408,935

FIRE-BASKET

Filed May 8, 1944 3 Sheets-Sheet 1

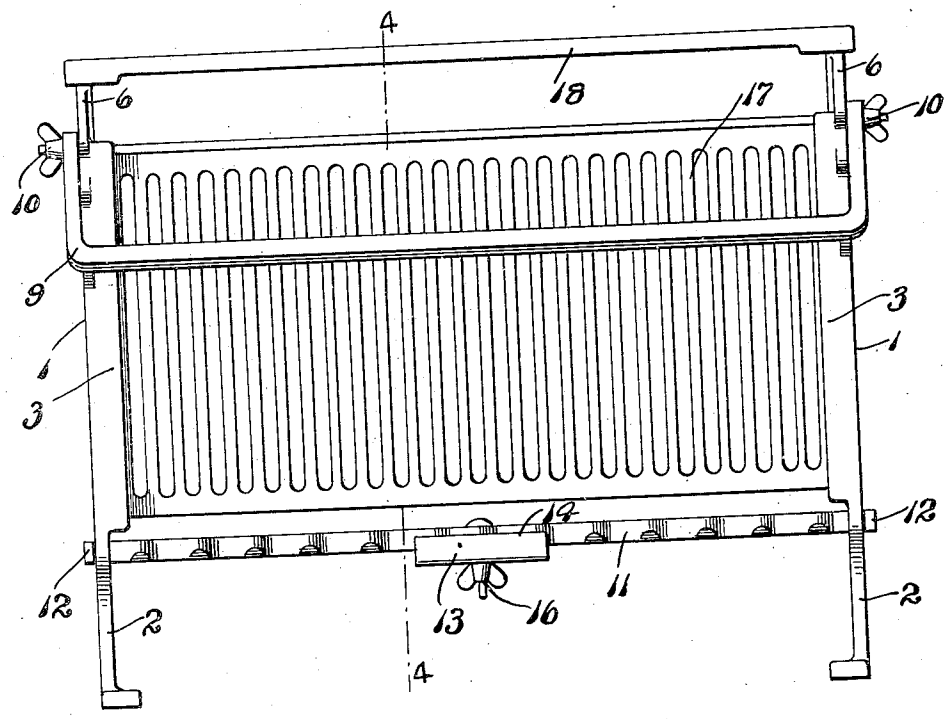


Fig. 1.

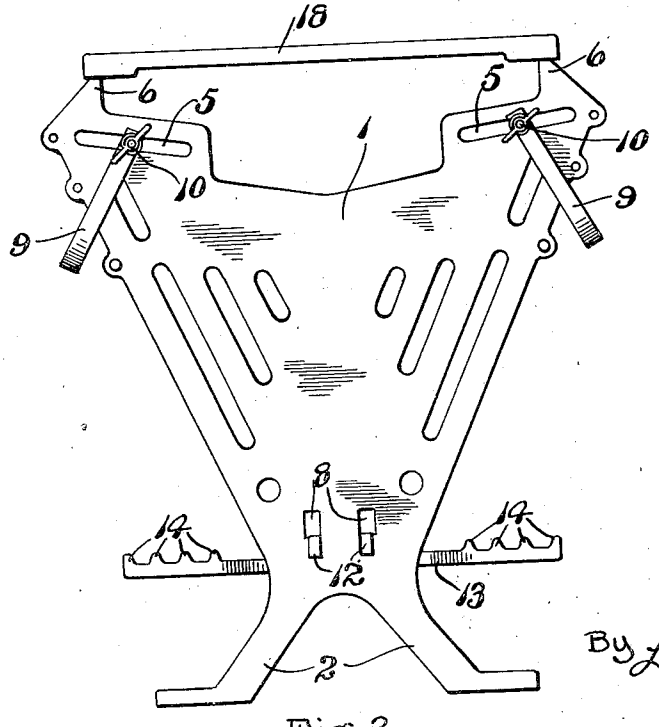


Fig. 2.

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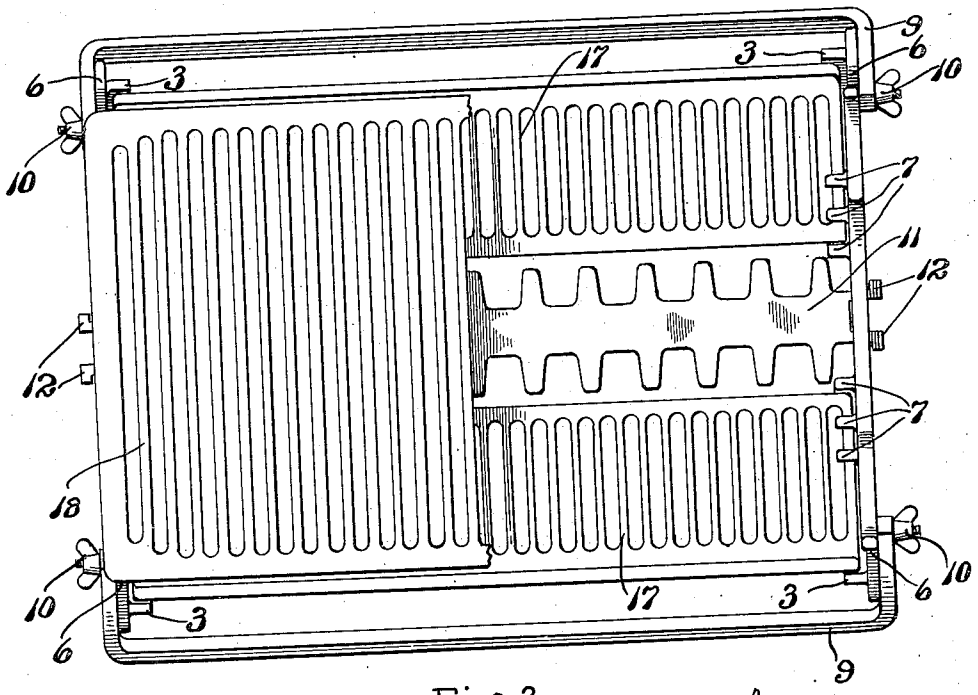


Fig. 3.

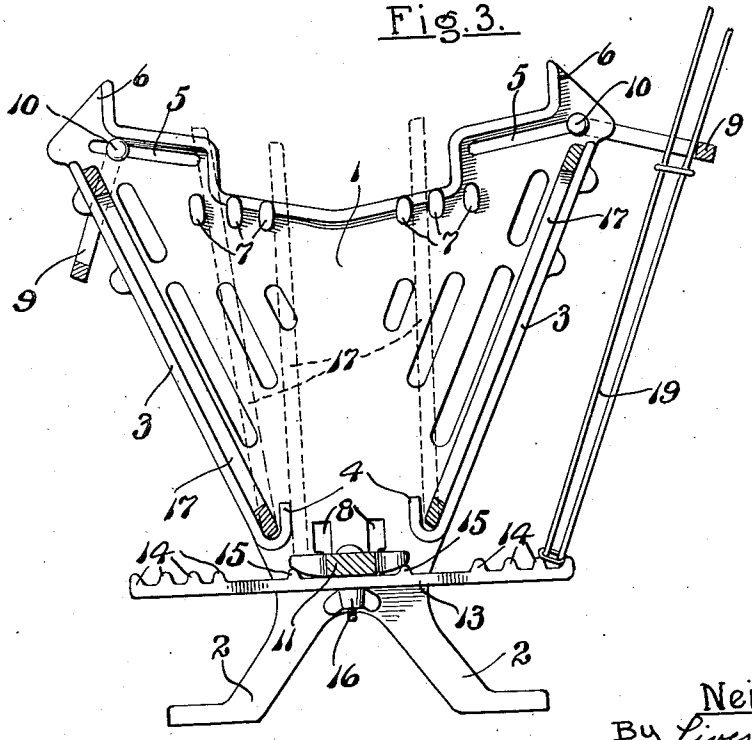


Fig. 4.

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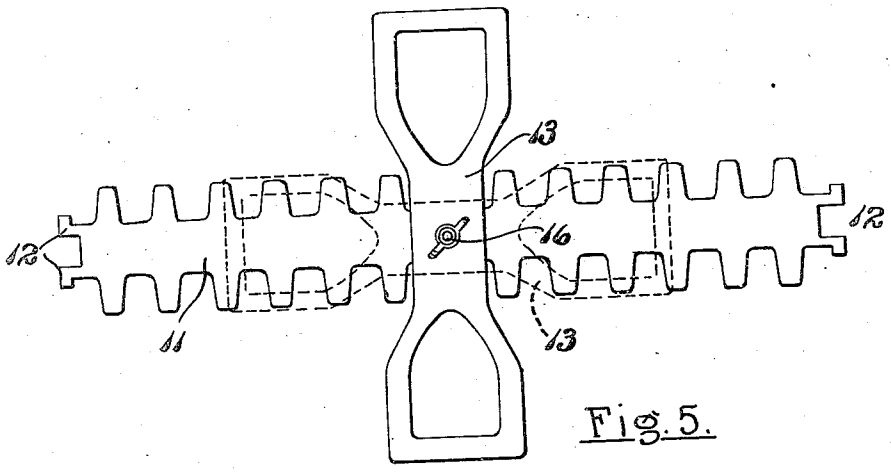


Fig. 5.

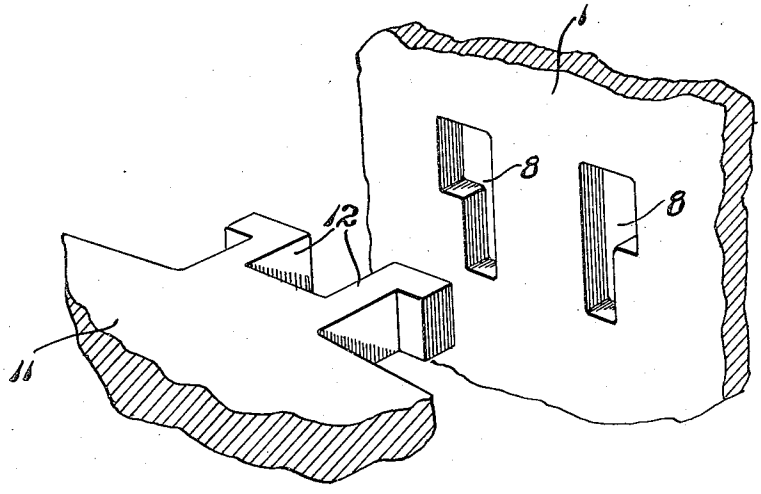


Fig. 6.

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UNITED STATES PATENT OFFICE

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FIRE BASKET

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3 Claims. (Cl. 126—165)

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This invention relates to firebaskets. It is a primary object and purpose of the present invention to provide a structure of the class designated wherein charcoal or similar fuel may be burned and the heat radiated and conveyed therefrom for heating rooms; or such heat radiated may be used in toasting or otherwise applying heat to foods or the like. The construction which I have devised is made of few parts, all simply and easily cast, very quickly assembled and at low cost, and one which is sturdy and durable and which can be easily carried from one place to another when required or desired.

An understanding of the invention may be had from the following description taken in connection with the accompanying drawings, in which,

Fig. 1 is a side elevation of a firebasket made in accordance with my invention.

Fig. 2 is an end elevation thereof.

Fig. 3 is a plan view with an overhead grate partly broken away.

Fig. 4 is a vertical section substantially on the plane of line 4—4 of Fig. 1.

Fig. 5 is an under plan view of the lower grate bar and an attachment associated therewith, and

Fig. 6 is a fragmentary perspective view illustrative of the means of connecting said grate bar at its ends to the ends of the basket.

Like reference characters refer to like parts throughout the figures of the drawings.

In the construction of the firebasket, two spaced apart vertical ends 1 of cast metal are provided, which progressively increase in width upward from near their lower ends. Each of said ends 1 at their lower ends is provided with diverging supporting legs 2. Each of the ends at each side edge is provided with an inturned integral flange 3, said flanges inclining downwardly and inwardly toward each other, and at their lower end portions reversely turned to provide hooks 4 open at their upper sides as shown in Fig. 4. Each of the ends 1 at each upper outer corner portion thereof has a generally horizontal slot 5 therethrough which inclines slightly upwardly and outwardly, as shown in Figs. 2 and 4, and above the outer ends of such slots projecting lugs 6 are cast integral with the ends for a purpose later described. At the inner sides of each end 1 and at the upper portions thereof a plurality of inwardly extending lugs 7 are also cast, and toward the lower ends of said sides and above the supporting legs 2 openings 8, best shown in Fig. 6, are made therethrough, which openings are wider at their upper end portions than at their lower portions.

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A bail 9 extends between said ends 1 of the basket, one of the bails being disposed at each side of and at the upper portions of said ends 1, being adjustably connected at the inturned ends thereof by means of headed screws and thumb nuts indicated at 10, whereby the bails may be adjusted and shifted to any desired position in the length of the slots 5 and also may be turned to any one of an indefinite number of angular positions, two of which are shown in Fig. 4, one at each side of the basket. Also the bails may be turned inwardly to meet above the center of the basket serving as handles for carrying it. Such bails connect the ends 1 in spaced relation to each other at their upper portions.

At the lower portions of the ends 1 they are detachably connected by means of an elongated horizontal grate bar 11 which extends between the two ends 1, and at each end is provided with two L-shaped lugs 12 as shown which are adapted to pass through the upper larger portions of the openings 8 and then drop downwardly into the narrower lower portions of said openings, securely yet releasably connecting the ends of the basket together.

At the under side of the grate bar 11 and substantially midway between the ends thereof a bar 13 of metal is located, having a plurality of spaced upwardly projecting lugs 14 adjacent each end and two lugs 15 one at each side of the middle point thereof adapted to be brought against opposite outwardly extending fingers on the grate bar 11. The bar 13 is detachably and adjustably secured by a headed screw and thumb nut construction 16 (Fig. 4). Such bar may be located at right angles to the grate bar 11 and firmly secured in such position by tightening the thumb nut, as in Fig. 4, or by retracting the thumb nut a sufficient distance, the cross bar 13 may be turned to lie underneath and parallel to the grate bar 11, as indicated in dotted lines in Fig. 5, the thumb nut 16 being again tightened after this adjustment.

Two grates 17 having spaced relatively long slots with intervening bars between extending between the upper and lower edges of said grates are adapted to be placed against the flanges 3, previously described, resting at their lower ends within the hooks 4 in one position of the grates. In other positions shown in dotted lines in Fig. 4 said grates may rest at their lower edges within said hooks 4 and be held at their upper portions between adjacent lugs 7; or, as shown at the left in Fig. 4, may be located inside the innermost lugs 7 and inside the hooks 4. Also a horizontal

grate 18 is adapted to be placed upon the upper ends of the four corner projections 6 on the ends 1, being readily removable when not needed or wanted.

With such firebasket construction fuel, for example charcoal, may be placed in greater or less amounts within the retaining basket thus provided by the ends 1, the lower grate bar 11 and the side grates 17. Air for combustion is supplied to the fuel from below, through the slots in the side grates 17 and through the slots shown as made in the ends 1. The amount of the fuel which is to be burned and therefore the quantity of heat emitted is controllable through the many different positions to which the side grates 17 may be adjusted. Of course with the upper horizontal grate 18 in place heat arising therefrom may be used to heat food, liquid and the like in suitable containers which may rest upon and be supported at the upper side of said grate.

The bar 13 in the position transversely of the lower grate bar 11, as in Fig. 4, may serve as a support for a holder 19 of bread to be toasted, meat to be broiled or the like and the location of said holder 19 relative to the adjacent side grates 17 may be adjusted by an adjustment of the bail 9 to different angular positions and by a selected location of the lower end of the holder 19 between the spaced upwardly extending lugs 14, providing an indefinite number of relative positions of the holder of the food to be acted upon by the heat with reference to the adjacent side grates 17.

This construction of firebasket is of special strength and durability and is very economically produced. Substantially all parts thereof except the thumb screws used are castings which require little or no machining before assembly. The basket is of utility in heating rooms, with of course a suitable fire resisting support upon which the basket is placed, as upon the bottom of a fireplace or upon a suitable mat of fire impervious material. Of course the basket is also of utility out of doors for cooking food, heating liquid and the like.

The invention is defined in the appended claims and all modifications of structure coming within the scope of said claims are to be comprehended by the invention.

I claim:

1. A fire basket comprising spaced upwardly outwardly tapered ends, a bottom grate bar extending between the lower narrower portions of said ends but spaced upwardly from the bottoms thereof and detachably connected to said ends, bail member of substantially U-shape extending between and pivotally connected to said ends near their upper edges and serving to tie the ends together, said bails being so proportioned that they may be brought into juxtaposition above said device to jointly serve as a carrying handle, means for retaining said bail members in any of their pivotal positions, a pair of grates extending between said ends, and means on said ends for removably receiving said grates in laterally spaced and substantially vertical position.

2. A fire basket comprising spaced upwardly outwardly tapered ends, a bottom grate bar extending between the lower narrower portions of said ends but spaced upwardly from the bottoms thereof and detachably connected to said ends, bail member of substantially U-shape extending between and pivotally connected to said ends near their upper edges and serving to tie the ends together, means for retaining said bail members in any of their pivotal positions, a pair of grates extending between said ends, means on said ends for removably receiving said grates in laterally spaced and substantially vertical position, and a supporting bar detachably connected to said bottom grate bar and extending outwardly laterally therefrom and adapted to serve jointly with either of said bails as a support for a grill.

3. A fire basket comprising spaced upwardly outwardly tapered ends, a bottom grate bar extending between the lower narrower portions of said ends but spaced upwardly from the bottoms thereof and detachably connected to said ends, bail member of substantially U-shape extending between and pivotally connected to said ends near their upper edges and serving to tie the ends together, means for retaining said bail members in any of their pivotal positions, a pair of grates extending between said ends, means on said ends for removably receiving said grates in laterally spaced and substantially vertical position, and a supporting bar pivotally connected to said bottom grate bar and adapted to extend outwardly laterally therefrom wherein it serves jointly with either of said bails as a support for a grill and adapted to be moved into alinement with said grate bar.

NEIL J. KUNST.