Aug. 10, 1965 C. J. HANSON 3,199,503

FIREPLACE STOVE

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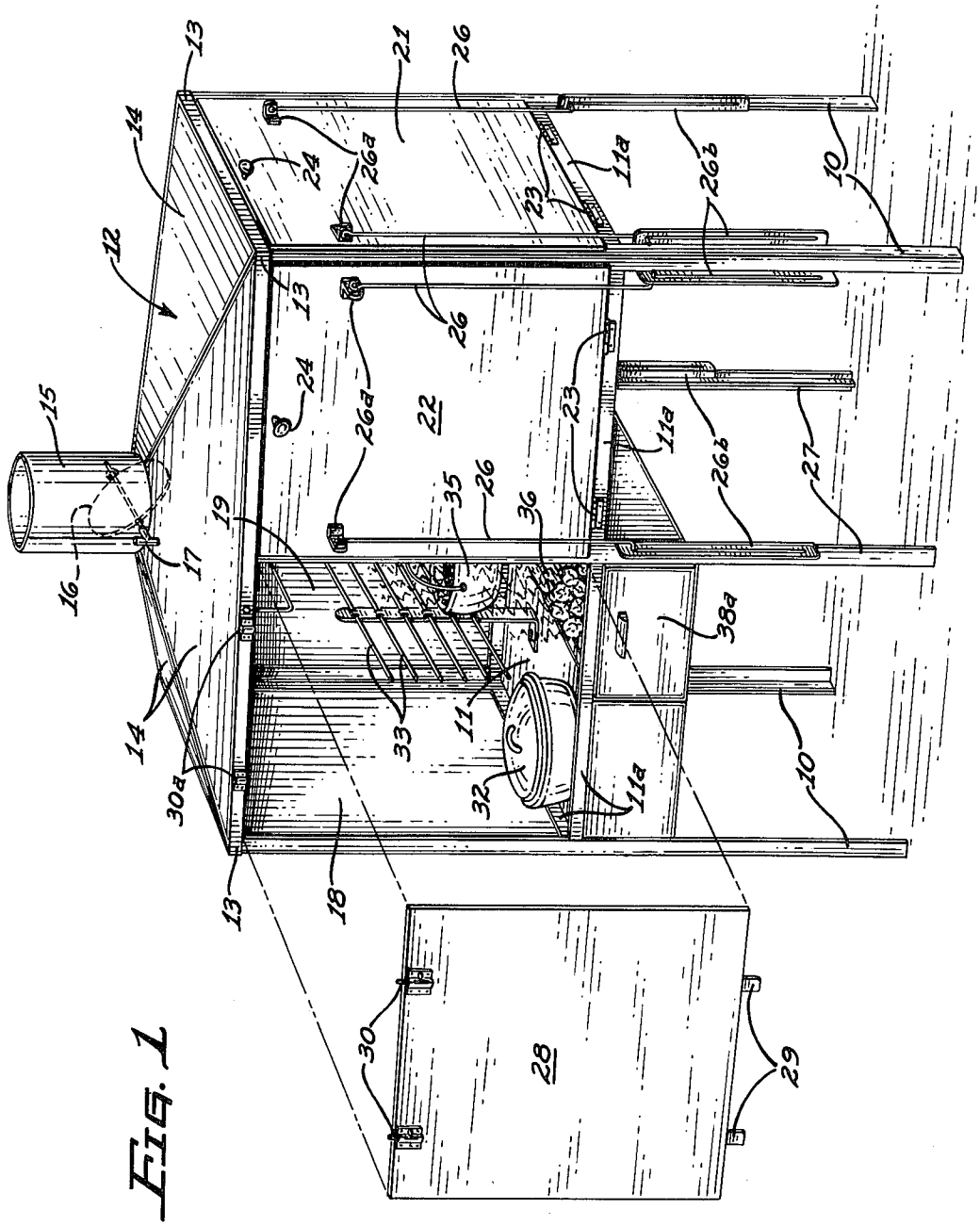


Fig. 1

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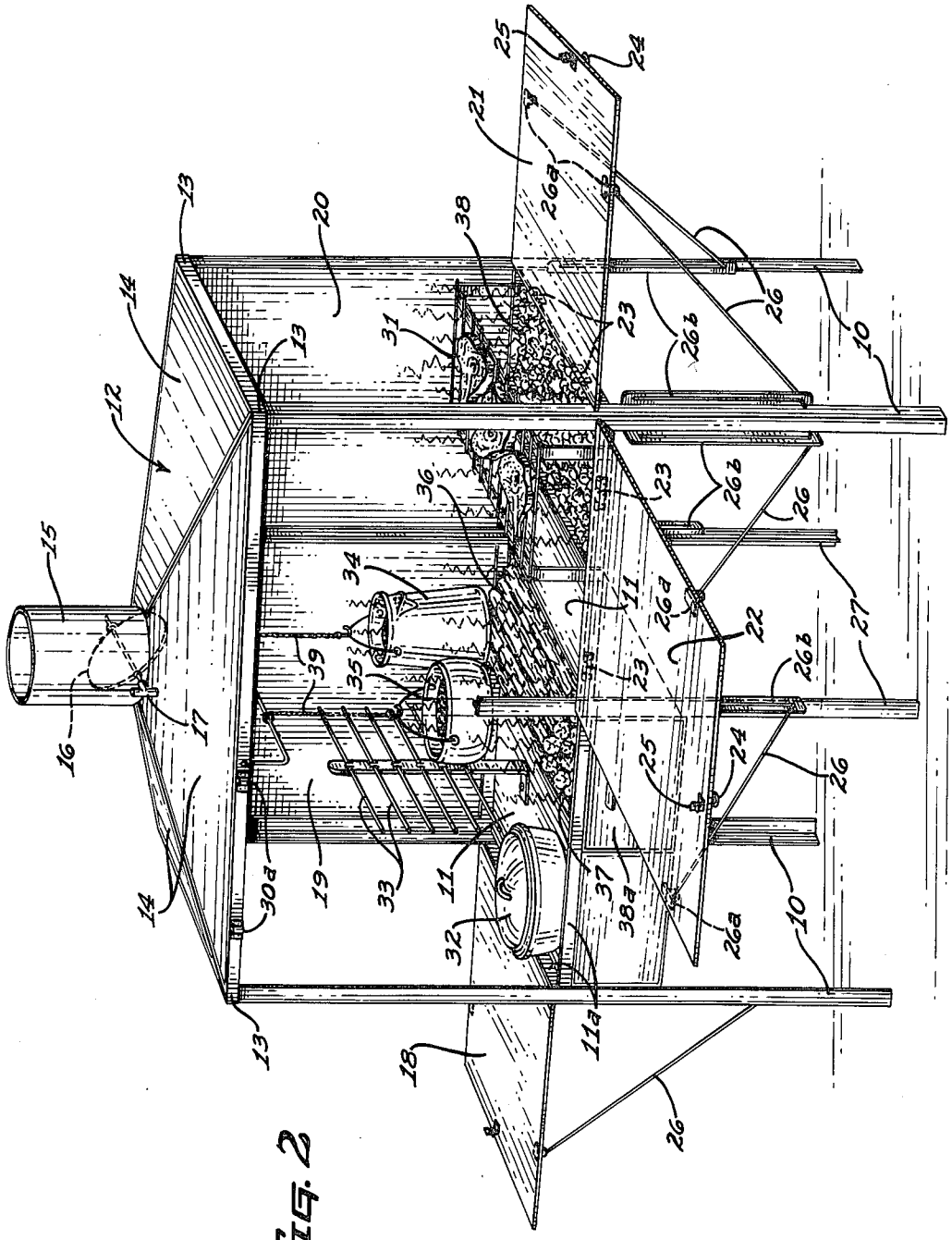


Fig. 2

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FIREPLACE STOVE

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2 Claims. (Cl. 126—25)

This invention pertains to stoves and is particularly directed to a combined fireplace and stove unit.

One of the objects of this invention is to provide a combination fireplace stove particularly adapted for fireplace cooking, campfire cooking, and by using the wood coals as a charcoal grill.

Another object is to provide a combined fireplace and stove unit having various features and accessories that may be readily manipulated to vary and control the various cooking and heating functions that may be performed by the stove unit.

A further object is to provide a fireplace stove in which the ash grates and air draft through the ash box is so constructed as to make better cooking than in a conventional fireplace.

Still another object is to provide a fireplace stove unit for use in a house having critically disposed doors, damper, and air-draft which are under precise control at all times for fire and smoke.

It is a further object to provide a fireplace stove that can be used for dutch oven cooking, spits for bar-b-que, a large grill for grilling meat, and small grills for frying pan or kettle together with adjustable legs for the grills for different wood coals, and hooks for coffee pot and kettles.

It is a further object to provide a fireplace stove which may function as a highly efficient large space heater for hunting, camps, log cabins and the like.

The fireplace unit can be particularly used out-of-doors for weiner roasts and grilling meats and the like with high efficiency.

Further features and advantages of this invention will appear from a detailed description of the drawings in which:

FIG. 1 is a perspective front view of the fireplace stove unit incorporating the features of this invention arranged primarily for heating operations, with the fireplace door removed.

FIG. 2 is a perspective view of the fireplace stove unit arranged primarily for cooking operations, with the hinged doors in table position.

As an example of one embodiment of this invention there is shown a fireplace stove comprising four upright legs 10 intermediate the ends of which is mounted the elevated floor 11 which includes a horizontal angle frame 11*a* suitably secured to the legs to hold the floor 11 in elevated position. The roof 12 is suitably fastened at its corners 13 to the tops of the legs 10 and has upwardly and inwardly sloping panels 14 terminating at the bottom of a suitable stove pipe 15 in which is mounted an appropriate damper 16 having a suitable operating handle 17.

Five doors 18, 19, 20, 21 and 22 are hinged at 23 to the outer face of the angle frame 11*a* and a knob 24 closes the catch 25 at the top of the doors. Brace rods 26 are pivotally attached to suitable angle brackets 26*a* secured to the doors 18 to 22, and are adapted to slide down the stove legs 10 and intermediate legs 27 in suitable slotted brackets 26*b* attached to the legs, to provide support for

the doors when swung out to horizontal position to make a table, as shown in FIG. 2.

The removable door 28 is demountably supported on the edge of the angle frame 11*a* and held in vertical position by suitable tabs 29 at the bottom of the door and spring bolts 30 at the top which are adapted to engage in sockets 30*a* secured to the bottom edge of roof 12.

FIG. 2 shows the fireplace stove set up in open position for cooking with the grill 31, dutch oven 32, and spit 33 positioned in the desired relation with coffee pot 34, and kettle 35 hanging on suitable hooks 39 with the log fire 36 burning on the grate 37. An ash box 38*a* which may take the form of a drawer is mounted under the floor 11 below the ash grate 37. A charcoal fire 38 may be built under the grill 31 or the grill 31 moved over the burned down wood fire 36 as desired.

The floor 11 and ash grates 37 are arranged at table height so that when the doors 18 to 22 are swung down horizontally they provide table height working and eating areas. When all of the doors 18 to 22 are closed and removable door 28 is in place, the device may then be used as a large room heater. Removing door 28 arranges the device for use as a fireplace. There is then provided a fireplace stove that can readily be converted for a cooking and eating facility, a fireplace and a spare heater by manipulating the various self-contained doors and elements of the device.

While the apparatus herein disclosed and described constitutes a preferred form of the invention, it is also to be understood that the apparatus is capable of mechanical alteration without departing from the spirit of the invention and that such mechanical arrangement and commercial adaptation as fall within the scope of the appendent claims are intended to be included herein. Having thus fully set forth and described this invention what is claimed and desired to be obtained by United States Letters Patent is:

1. A fireplace stove comprising in combination:
(A) a plurality of upright legs,
(B) an elevated floor supported at its corners intermediate the ends of said legs,
(C) a roof supported at its ends on the top ends of said legs,
(D) upwardly and inwardly sloping panels on said roof,
(E) a stove pipe extending upwardly from the upper inward ends of said sloping roof panels,
(F) a control damper in said stove pipe,
(G) a series of hinged doors hinged at their bottom edges at outside edge portions of said elevated floor,
(H) a log fire ash grate in said elevated floor,
(I) a removable door having its lower edge supported on another edge portion of said floor adjacent said log fire ash grate and its upper edge demountable secured to said roof,
(J) and an ash box mounted under said floor below said ash grate.

2. A fireplace stove comprising in combination:
(A) a plurality of upright legs,
(B) an elevated floor supported at its corners intermediate the ends of said legs,
(C) a roof supported at its ends on the top ends of said legs,
(D) upwardly and inwardly sloping panels on said roof,

(E) a stove pipe extending upwardly from the upper inward ends of said sloping roof panels,

(F) a control damper in said stove pipe,

(G) a series of hinged doors hinged at their bottom edges at outside edge portions of said elevated floor,

(H) a log fire ash grate in said elevated floor,

(I) a removable door having its lower edge supported on another edge portion of said floor adjacent said log fire ash grate and its upper edge demountably secured to said roof,

(J) an ash box mounted under said floor below said ash grate,

(K) and hinged door braces operatively connected between said legs and said hinged doors to limit outward downward swinging of said hinged doors to an open horizontal position for table use.

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