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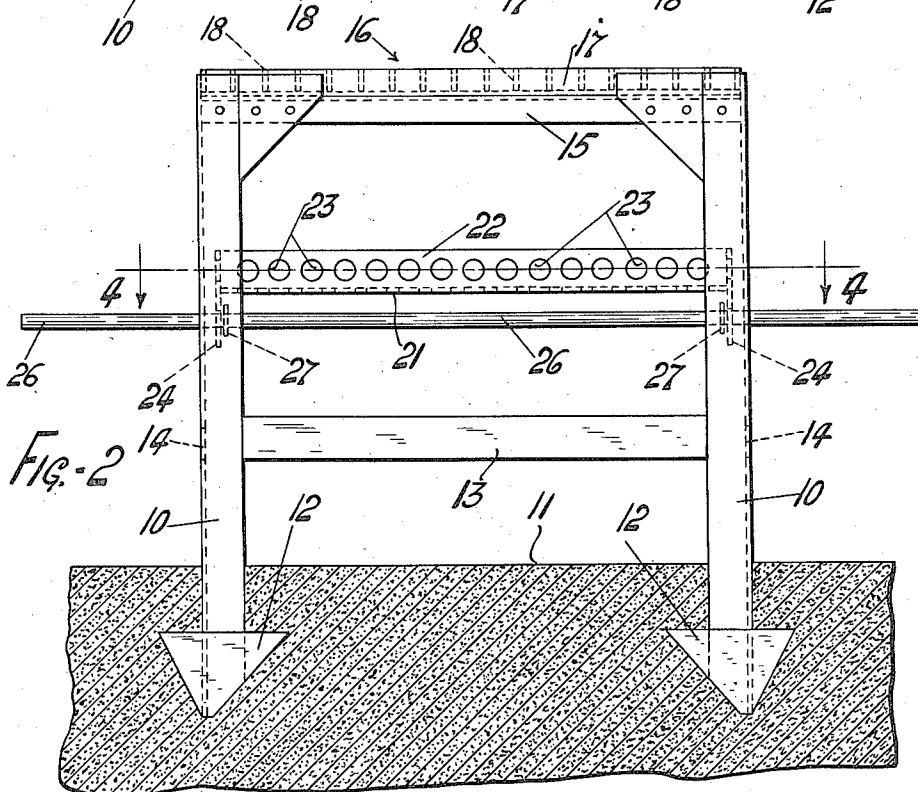
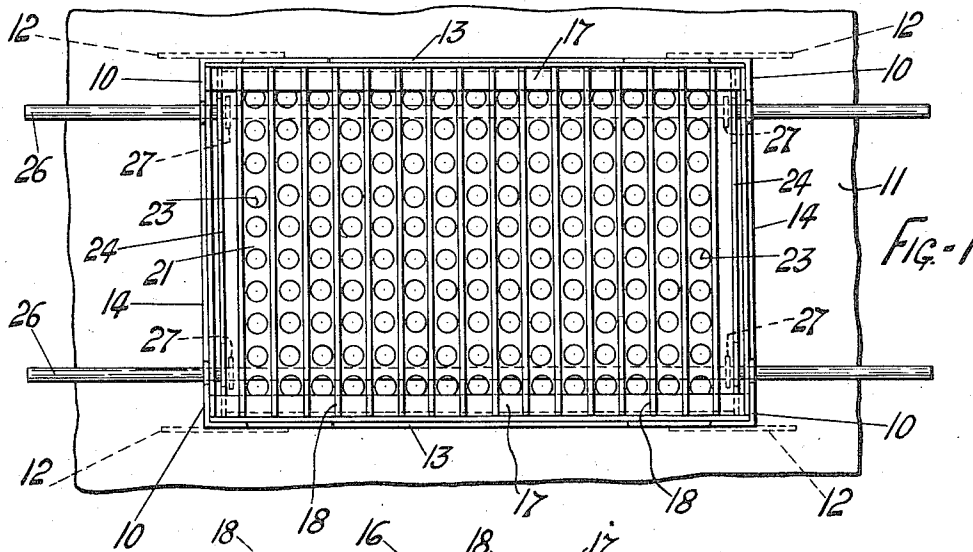
E. P. KREBS

2,033,898

CAMP STOVE

Filed Sept. 26, 1933

2 Sheets-Sheet 1



INVENTOR
EDMUND P. KREBS

BY

Ey Barrow

ATTORNEYS

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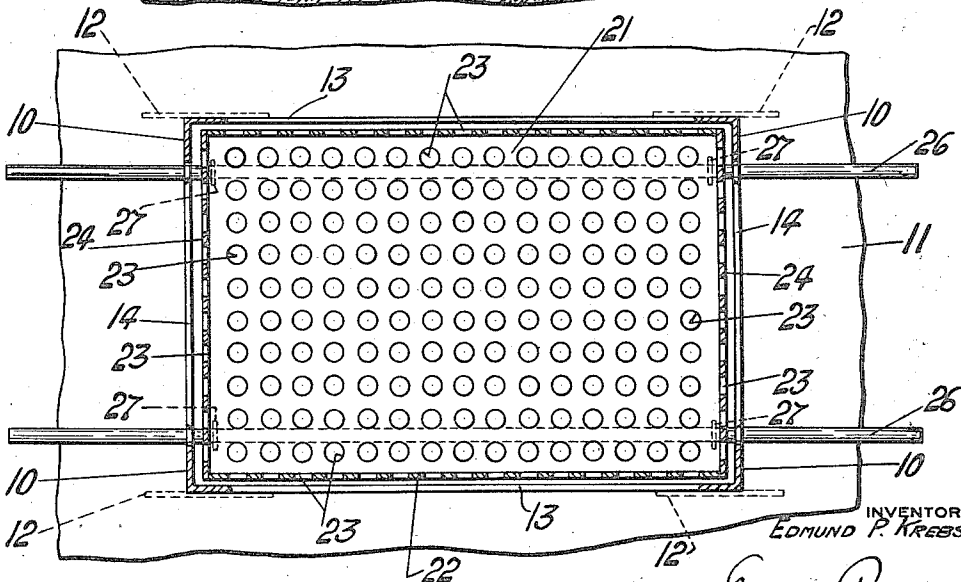
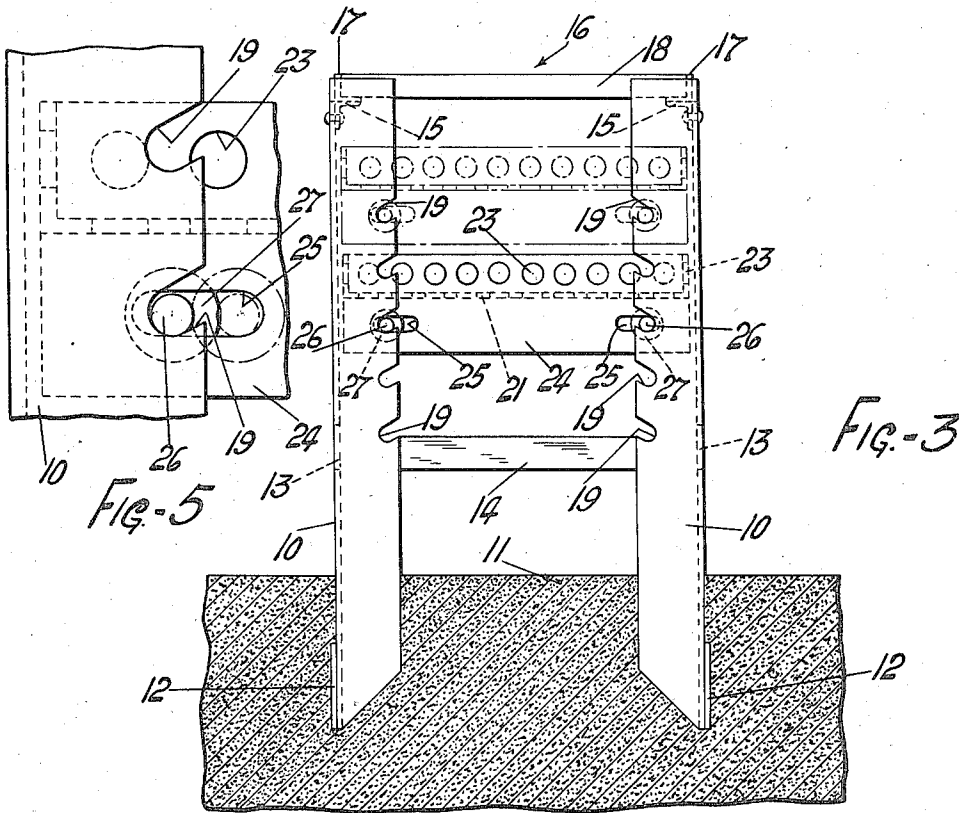
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INVENTOR
EDMUND P. KREBS

BY

Ely & Burrows

ATTORNEYS

UNITED STATES PATENT OFFICE

2,033,898

CAMP STOVE

Edmund P. Krebs, Akron, Ohio, assignor to The
Burger Iron Company, Akron, Ohio, a corpo-
ration of Ohio

Application September 26, 1933, Serial No. 691,002

6 Claims. (Cl. 126—29)

This invention relates to camp stoves, and more especially it relates to camp stoves of the type having a cooking grate and a relatively movable fuel grate whereby the proper degree of heat may be obtained for the particular food being cooked with the particular fuel employed.

The chief objects of the invention are to provide a camp stove of the character mentioned that is extremely simple in construction; that easily and conveniently may be adjusted even when it is in use; and that may be manufactured at relatively low cost. More especially the invention aims to provide means for effecting vertical adjustment of the fuel grate of the stove, which means will not get out of order even when the stove is exposed to the elements for long periods of time.

Of the accompanying drawings:—

Figure 1 is a plan view of the improved camp stove in its preferred form;

Figure 2 is a side elevation thereof;

Figure 3 is an end elevation thereof;

Figure 4 is a section on the line 4—4 of Figure 2; and

Figure 5 is an elevational detail, on a larger scale, of a portion of the structure shown in Figure 3.

The illustrative embodiment of the invention shown in the drawings is a camp stove designed for a fixed location, but the invention is equally applicable to portable camp stoves.

Referring to the drawings, the camp stove comprises four upright corner posts 10, 10, preferably angle irons as shown, said posts having their lower ends pointed so as more easily to be driven into the ground 11, and provided with respective relatively large, triangular metal anchor plates 12 to secure the stove more firmly in place. Metal brace members 13, 14 connect the respective corner posts 10 at the sides and ends respectively of the stove at a short distance above the ground, and slightly below their tops the said posts are connected by a pair of brace members 15, 15 disposed on opposite sides of the stove, said brace members 15 being composed of angle iron and constituting a support for a removable cooking grate 16. The latter is a rectangular structure comprising a frame 17 of angle iron and a plurality of flat metal bars 18, 18 carried thereby. As is most clearly shown in Figure 3, the corner posts 10 are formed with respective vertical series of marginal notches 19, 19 in the sides thereof that are at the respective ends of the stove, said notches being downwardly in-

clined and the notches of the several series being of uniform elevation above ground.

The fuel grate or fire basket 21 of the stove is positioned below the cooking grate 16, and consists of a rectangular sheet metal tray formed with upwardly extending marginal flanges 22, the tray and flanges being formed with a multiplicity of apertures 23, 23 to admit draft to the fire therein. Each end of the fuel grate 21 is provided with downwardly extending flange or metal plate 24, and each flange 24 is formed with a pair of horizontal slots 25, 25, said slots being so arranged that a portion of each slot registers with a portion of a notch 19 at various elevations of the fuel grate. A pair of parallel metal bars 26, 26 extend through the aligned slots 25 of the two flanges 24, said bars extending substantially beyond the ends of the fuel grate to provide hand-grip portions whereby the said grate manually may be lifted. The slots 25 permit limited lateral movement of the bars 26 with relation to the fuel grate. Collars 27, 27 are mounted on each bar 26, between and adjacent the flanges 24, to prevent withdrawal of the bars 26 longitudinally from said slots. The arrangement is such that when the bars 26 are moved to the inner or adjacent ends of the slots 25 they will clear the notches 19 and the fuel grate may be raised or lowered as desired. When moved to the outer ends of slots 25 the bars 26 may be selectively engaged in the notches 19, whereby the grate will be supported at the desired distance from the cooking grate, two of the alternative positions of the fuel grate being shown in broken and in full lines in Figure 3.

Thus the invention provides a simple and compact structure that is adapted for the use of wood or charcoal as fuel, and which may be easily and quickly adjusted to provide the proper degree of heat to the particular food being prepared. There are no mechanisms that can get out of order from rough usage or from exposure to the elements, and the other advantages set out in the foregoing statement of objects are achieved.

Modification may be resorted to without departing from the spirit of the invention or the scope of the appended claims, which are not limited wholly to the specific construction shown and described.

What is claimed is:

1. In a camp stove comprising a framework and cooking grate supported thereby, a fuel grate disposed below said cooking grate, and means for supporting said fuel grate alternatively

at various elevations relatively of said cooking grate, said means comprising horizontal guideways on said fuel grate, a pair of parallel bars permanently mounted in said guideways and
 5 movable laterally therein relatively of the fuel grate and of each other, and downwardly inclined marginal notches formed at various elevations in the framework for receiving the respective bars, the notches that receive one of the bars
 10 being reversely inclined with relation to the notches that receive the other bar.

2. In a camp stove comprising a framework and a cooking grate supported thereby, a fuel grate, means for supporting said fuel grate at
 15 various distances below said cooking grate, said means comprising parallel bars non-removably carried in horizontal slots in said fuel grate, said bars being movable relatively of said grate, and downwardly inclined marginal notches in the
 20 framework for receiving the respective bars, the open ends of the notches that receive one bar facing the open ends of the notches that receive the other bar.

3. A camp stove comprising a framework, a
 25 pair of parallel bars each supported at two points in downwardly inclined marginal notches in said frame work, the notches that receive one of said bars being reversely disposed with relation to the notches that receive the other bar, and a fuel
 30 grate carried by said bars and permanently engaged therewith, said bars being movable laterally, from and toward each other, in horizontal slots formed in said grate, in moving into and out of engagement with the said notches.

4. A camp stove comprising a framework, each end portion of which is formed with two vertical series of downwardly inclined marginal notches, parallel bars each supported at opposite ends of the stove in said notches of which the notches
 5 of one series are reversely inclined with relation to the notches of the other series, and a fuel grate permanently connected to said bars, said grate comprising horizontal guideways in which the bars are received permitting limited lateral
 10 movement of the bars with relation to the grate.

5. A camp stove comprising a framework, each end portion of which is formed with two vertical series of downwardly inclined marginal notches, a fuel grate disposed within said framework and
 15 formed at each end with a pair of horizontal slots, a portion of each of said slots being in registry with a notch in the framework at certain elevations of the grate, and a pair of parallel bars in said slots engageable in said notches for support-
 20 ing the grate.

6. A camp stove comprising an open framework, each end portion of which is formed with two vertical series of downwardly inclined marginal notches, the notches of one series opening
 25 toward the notches of the other series, a grate disposed within said framework and formed at each end with a pair of horizontal slots, the remote outer end of each slot being in registry with a notch at certain elevations of the grate, and
 30 a pair of parallel bars each extending through two of said slots and movable therein so as to be engageable in a pair of notches.

EDMUND P. KREBS.