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1,999,515

CAMP STOVE

Filed Feb. 14, 1933

2 Sheets-Sheet 1

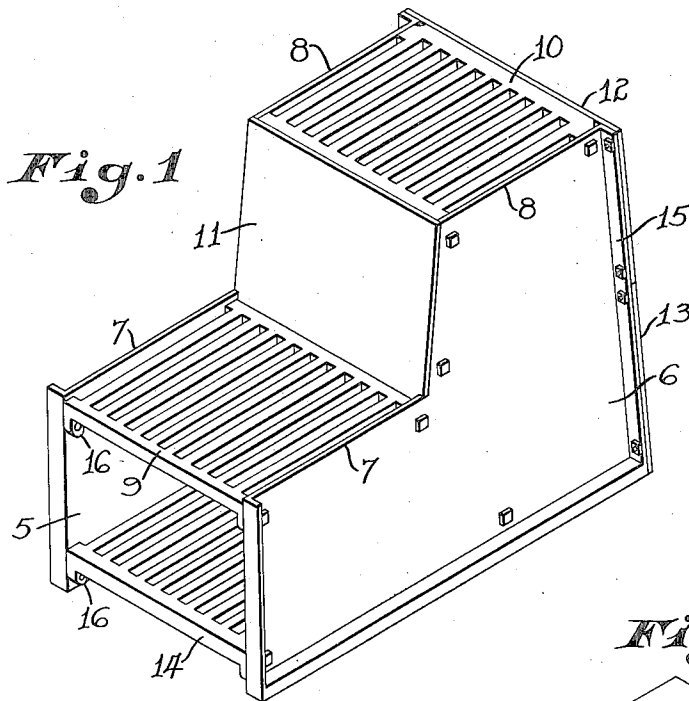
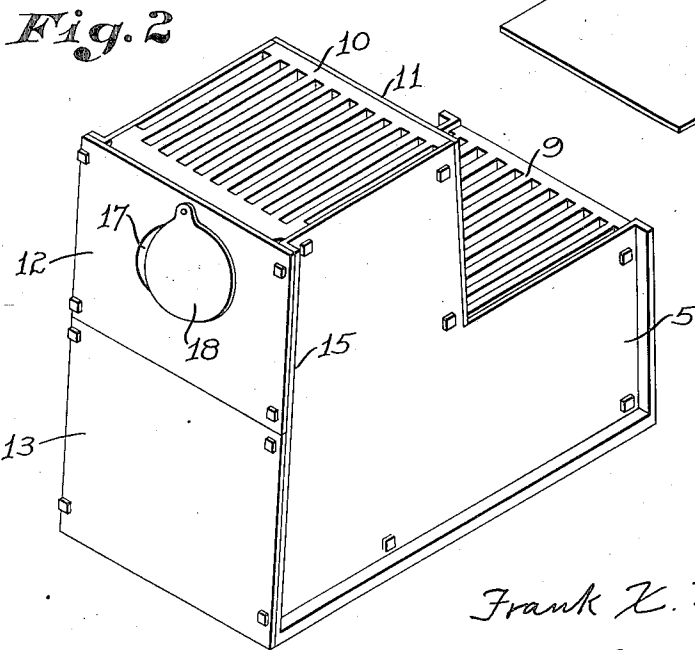
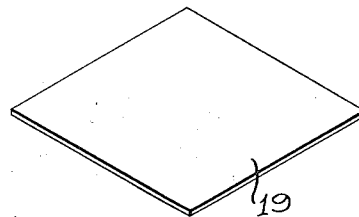


Fig. 4



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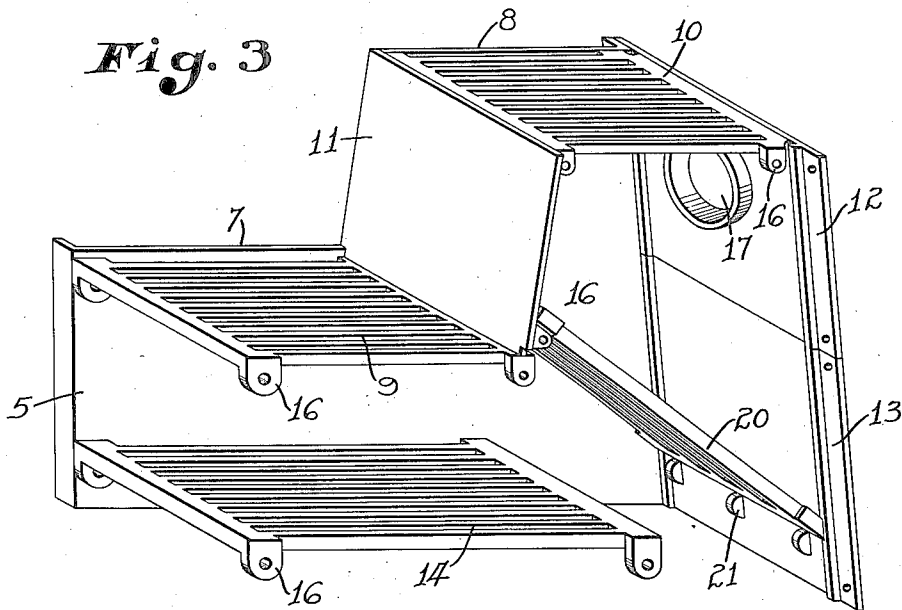
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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

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CAMP STOVE

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Application February 14, 1933, Serial No. 656,700

3 Claims. (Cl. 126—29)

This invention relates to an improved camp stove which is adapted to be supplied as a part of the regular furnishings of a camp site, or to be carried as a part of the camping equipment of an automobile, to be set up wherever a stop is made long enough to do any cooking.

One object of the invention is to provide a stove of simple construction made up of only a few parts, which may be carried in a compact knock-down form, and which may be set up quickly with a minimum amount of labor. In its preferred form, the stove is also provided with a special compartment adapted to be used as an incinerator for garbage or trash. When the stove is set up, it may be easily turned around according to changes in the direction of the prevailing wind, to insure a proper draft. No doors are necessary.

The detailed construction of the invention, in its preferred form, will be described with reference to the accompanying drawings, in which

Fig. 1 is a perspective view of the stove;

Fig. 2 is a perspective view looking from the opposite angle;

Fig. 3 is a perspective view similar to Fig. 1 but with one of the side plates removed;

Fig. 4 is a perspective view of one of the griddles which may be furnished with the stove.

As illustrated in the drawings, the stove comprises similar opposed side plates 5 and 6, the lower edges of which are adapted to rest upon the ground. The front portion of each of these side plates has an upper edge 7 substantially parallel with the lower edge thereof, and the rear portion has an upper edge 8 which is also parallel to the lower edge, but at a greater distance therefrom, so that each side plate is approximately L-shaped. The side plates 5 and 6 are connected near the edges 7 by a grate 9 and are connected near the edges 8 by a similar grate 10. Between the grates 9 and 10, the side plates are connected by an upright transverse plate 11. The rear edges of the side plates are connected by a rear wall consisting preferably of two plates 12 and 13. The plates 5 and 6 are connected near their lower edges by a fire grate 14 which is spaced from the ground to provide a draft up through the fuel and which terminates at its rear end some distance in front of the rear wall of the stove.

For convenience in assembling the various parts of the stove, the rear edges of the side plates 5 and 6 are formed with flanges 15 to which the rear plates 12 and 13 are bolted, and the grates 9, 10 and 14 and the plate 11 are formed with lugs 16 which may be conveniently bolted directly to the side plates 5 and 6. The upper

part of the rear wall is formed with a flue opening 17 which is adapted to be regulated by an adjustable damper 18. This flue opening is preferably in the form of a collar to which a stove pipe may be connected.

It will be noted that the stove is made up of a relatively small number of parts which may be easily assembled by means of a few bolts. The stove may be made in relatively small sizes for automobile equipment or in large sizes to be regularly installed as a part of a permanent camp site. In either case the stove may be readily turned so that the prevailing wind has a tendency to create a draft through the fire box and upwardly through the flue outlet 17. No door is needed in front of the fire box.

The grate 9 may be used for broiling or for supporting cooking vessels. The grate 10 may be used for keeping things warm. A plate 19, as shown in Fig. 4, may be laid over the grate 9 to be used as a griddle. At times, it may be desirable to cover both of the grates 9 and 10 with plates in order to improve the draft.

The rear part of the stove between the fire grate 14 and the flue opening 17 may be conveniently utilized to dry and burn garbage or trash. For this purpose, it is desirable to furnish the stove with a garbage grate as shown at 20 in Fig. 3. This grate is inclined rearwardly and downwardly and rests at its lower end upon lugs 21 formed on the plate 13, and at its upper end upon the lugs 16 formed on the plate 11. Thus, the garbage and trash will gravitate toward the rear end of the garbage grate and any liquid contained therein will drain directly onto the ground behind the rear end of the fire grate 14. A considerable amount of garbage and trash may be thus dried and burned while sufficient space is still left for a suitable draft from the fire grate 14 to the flue opening 17. The grate 20 may also be used for baking potatoes or the like.

While I have shown and described in detail the preferred form of the invention, it is apparent that the same may be modified in many respects without departing from the scope of the appended claims.

What I claim is:

1. A camp stove comprising similar opposed side plates, the bottom edges of which are adapted to rest upon the ground, the upper edge of each side plate having a front portion substantially parallel to the bottom edge and a rear portion also substantially parallel to the bottom edge but at a greater distance therefrom, an upright transverse plate across the space between the front

and rear portions of said upper edges, a rear wall connecting the rear edges of said side plates, a garbage grate, and means for supporting said garbage grate in downwardly and rearwardly inclined position across the space between said upright transverse plate and said rear wall.

2. A camp stove comprising similar opposed side plates, the bottom edges of which are adapted to rest upon the ground, the upper edge of each side plate having a front portion substantially parallel to the bottom edge and a rear portion also substantially parallel to the bottom edge but at a greater distance therefrom, an upright transverse plate across the space between the front and rear portions of said upper edges, a rear wall connecting the rear edges of said side plates, a fire grate, means for supporting the fire grate between said side plates near their bottom edges but spaced from the ground, a garbage grate, and means for supporting an end of said garbage grate in rear of and above the fire grate.

3. A camp stove comprising similar opposed side plates, the bottom edges of which are adapted to rest upon the ground, the upper edge of each side plate having a front portion substantially parallel to the bottom edge and a rear portion also substantially parallel to the bottom edge but at a greater distance therefrom, an upright transverse plate across the space between the front and rear portions of said upper edges, a rear wall connecting the rear edges of said side plates, a garbage grate, means for supporting said garbage grate in downwardly and rearwardly inclined position across the space between said upright transverse plate and said rear wall, and a fire grate supported across the space between said side plates and at a distance from the rear wall, so that liquid draining from the garbage on the garbage grate may drop directly onto the ground.

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