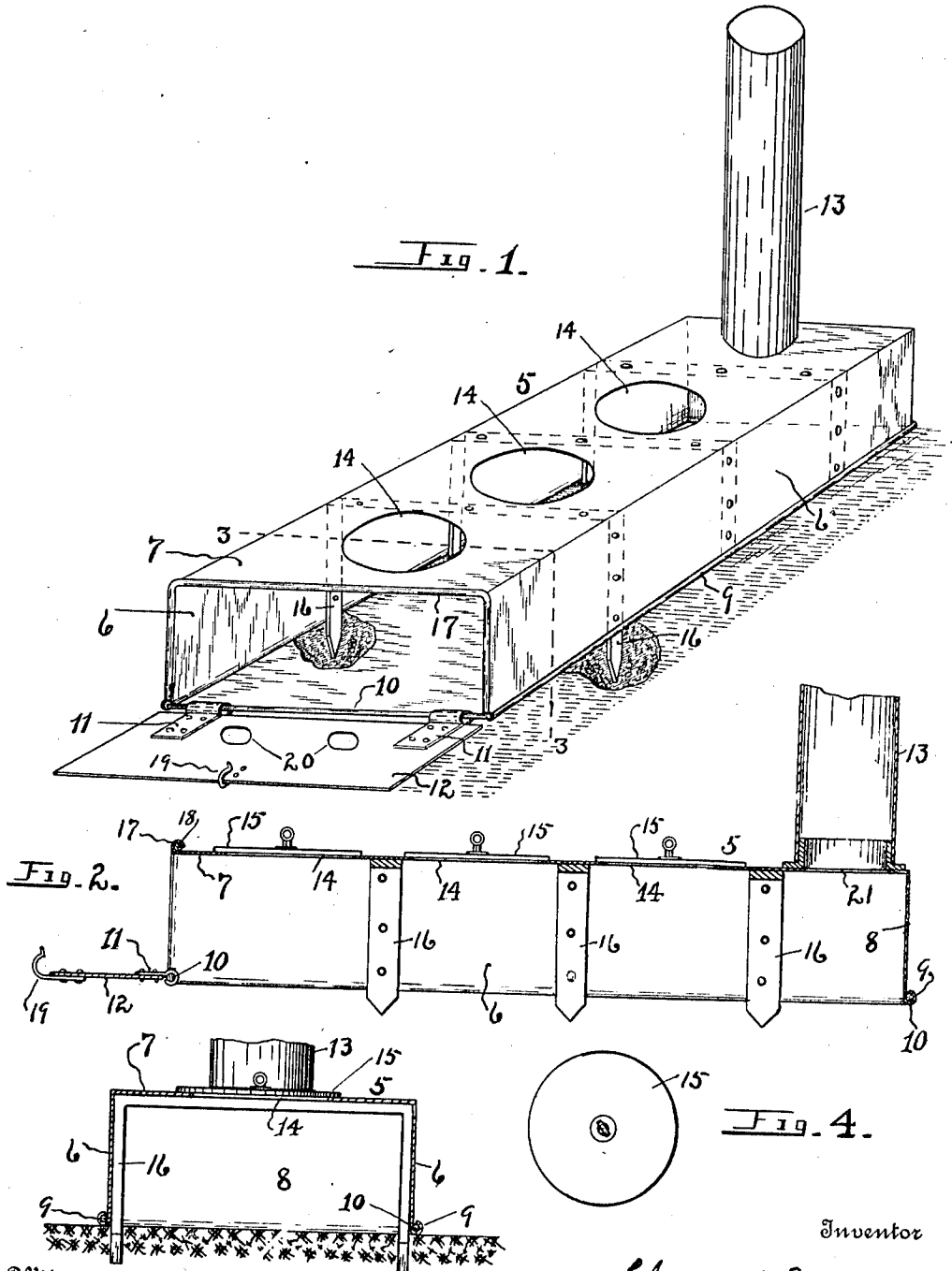


C. O. FREEMAN.
CAMP STOVE.
APPLICATION FILED JULY 16, 1912.

1,066,595.

Patented July 8, 1913.



Witnesses

C. E. Clark -
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Fig. 3.

By

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UNITED STATES PATENT OFFICE.

CHARLES O. FREEMAN, OF WALTHILL, NEBRASKA:

CAMP-STOVE.

1,066,595.

Specification of Letters Patent.

Patented July 8, 1913.

Application filed July 16, 1912. Serial No. 709,710.

To all whom it may concern:

Be it known that I, CHARLES O. FREEMAN, a citizen of the United States, residing at Walthill, in the county of Thurston and State of Nebraska, have invented certain new and useful Improvements in Camp-Stoves, of which the following is a specification.

This invention relates to an improvement in camp stoves, and has for its object to provide a portable stove of few and simple parts so that it may be economically manufactured, and will be convenient and durable in use.

The invention consists of the novel construction, combination and arrangement of parts as described herein and claimed, and as illustrated in the drawing, wherein,—

Figure 1 is a perspective view of a camp stove embodying my invention, the door being open and the lids removed. Fig. 2 is a view of the stove in longitudinal section. Fig. 3 is a transverse sectional view on line 3 3 of Fig. 1, a stove lid being added. Fig. 4 is a plan view of a stove lid.

Referring now to the drawing for a more particular description, numeral 5 indicates a stove having a body portion formed, in cross-section, substantially of inverted U-shape. It is preferably constructed of a single, rectangular, metallic sheet bent transversely to form upright sides 6, the middle part of the sheet forming the top 7, and bent longitudinally near one of its terminals to form the upright, rear end wall 8. Walls 6 and 8 are preferably of uniform height or width, and their edges are reinforced by rolls 9 adapted to inclose the metallic loop 10, of rectangular form, the front end of the loop providing pivotal mountings for the hinge-members 11 of the stove door 12.

The smoke-pipe for the stove is indicated at 13, and at 14 and 21 are indicated apertures formed at longitudinal intervals and preferably in alinement in the upper flat wall 7 of the stove.

The lids for making closures of apertures 14 are indicated at 15, and aperture 21 provides an exit way communicating with pipe 13.

In order that the stove may sustain the weight of cooking utensils to be placed thereon and incident to its use, and to prevent warping or buckling of the walls from the effects of heat, a plurality of anchor members, braces or reinforcing-bars 16 are

employed. They are substantially of inverted U-shape, and preferably they are disposed near apertures 14, upon the inner side of and transversely of walls 6 and 7, and they are suitably riveted to said walls. The arms of members 16 have a length greater than the width of walls 6, and when mounted as described, they project outwardly of or below rolls 9.

The herein described stove may be economically manufactured since its parts are few and simple, and having a comparatively light weight it may be conveniently transported. It may have any suitable length, and the number of apertures 14 may, of course, be greater or less than shown in the drawings.

In operation, the stove may be placed upon the ground, the arms of members 16 being embedded therein. After apertures 14 have been closed or covered in the usual manner, there will be a good draft through the stove since the rolls 9 bear upon the ground. To provide the required draft for the stove, however, rolls 9 should have the bearings mentioned, and for this purpose, members 16, if desired, may be driven into the ground in a manner to carry the upright walls downward until the rolls, by reason of their contact with the ground, will close all of the openings intervening between the ground and rolls which are occasioned by an uneven or rough ground-surface upon which the stove is placed.

It will be seen that wood or other fuel when placed in the stove, rests upon the ground, and when there is an accumulation of ashes, it will not be necessary to remove the same, since the stove itself may be readily moved to an adjacent, clear ground-space, and this is one of the advantages in the use of the stove.

At 17 is indicated a secondary reinforcing roll. It is of inverted U-shape, and is formed at the front terminals of walls 6 and 7, and is adapted to inclose a reinforcing wire 18.

In instances where brush, straw or other light fuel is employed, the door 12 may be open, if desired, and may rest upon the ground as shown in the drawing. With other kinds of fuel in use, however, the door is generally closed, and the hook 19 of the door may engage that part of the roll 17 above the open end of the stove, for maintaining the door in closed relation to roll

17, draft apertures 20 being provided for the door, as shown in Fig. 1.

It will be seen that one end of loop 10 spans the space between the front ends of rolls 9 of the upright sides of the stove body, and provides a mounting for the hinge members 11. By this construction the door, when open, may lie flat upon the ground and will not interfere with the operation of cooking or other uses of apertures 14.

Having described the several parts and their uses, a further explanation relating to operation is not necessary.

What I claim as my invention and desire to secure by Letters Patent is,—

A stove of the character described comprising a rectangular, sheet metal body portion of inverted U-shape in cross section, an end wall closing one end thereof, a door for closing the opposite end thereof, a smoke

pipe leading from the top of the body portion at the end thereof remote from said door, there being a plurality of longitudinally spaced openings formed in the top of said body portion, and a transversely disposed brace of arch form secured rigidly adjacent each of and between said openings and secured to the inner wall of the body portion, the terminal ends of said braces being pointed and projecting below the lower edges of the body portion, whereby said braces may serve the double function of braces and ground penetrating members.

In testimony whereof I have affixed my signature in presence of two witnesses.

CHARLES O. FREEMAN.

Witnesses:

HIRAM A. STURGES,
ROBERT H. OLMSTED.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."