A. H. GREEN.

CAMP STOVE.

APPLICATION FILED FEB. 18, 1916.

1,212,162.

Patented Jan. 9, 1917.

2 SHEETS—SHEET 1.

FIG. 1.

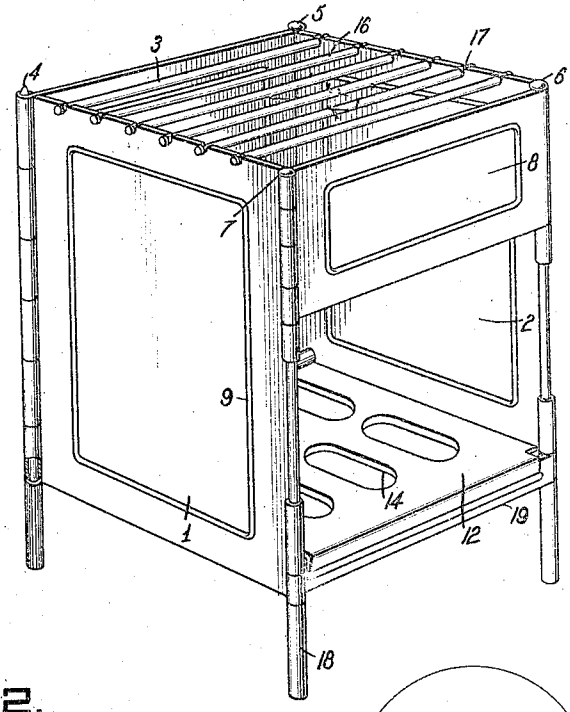
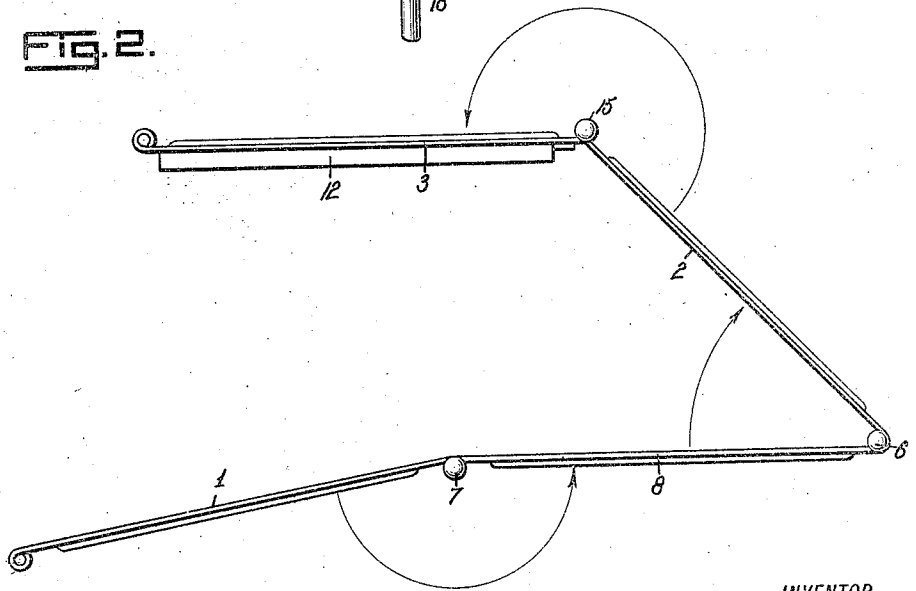


FIG. 2.



WITNESSES

Chas. H. Liebman

A. L. Kitchin.

INVENTOR

Armin H. Green

BY Munn & Co

ATTORNEYS

A. H. GREEN.

CAMP STOVE.

APPLICATION FILED FEB. 18, 1916.

1,212,162.

Patented Jan. 9, 1917.

2 SHEETS—SHEET 2.

Fig. 3.

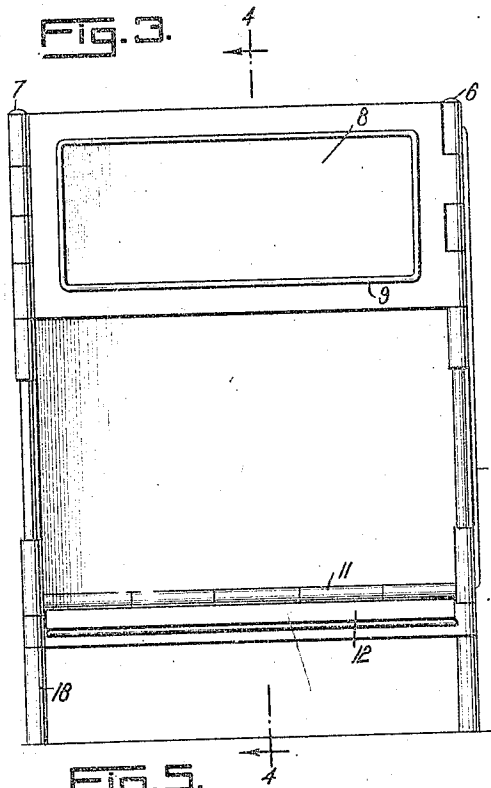


Fig. 4.

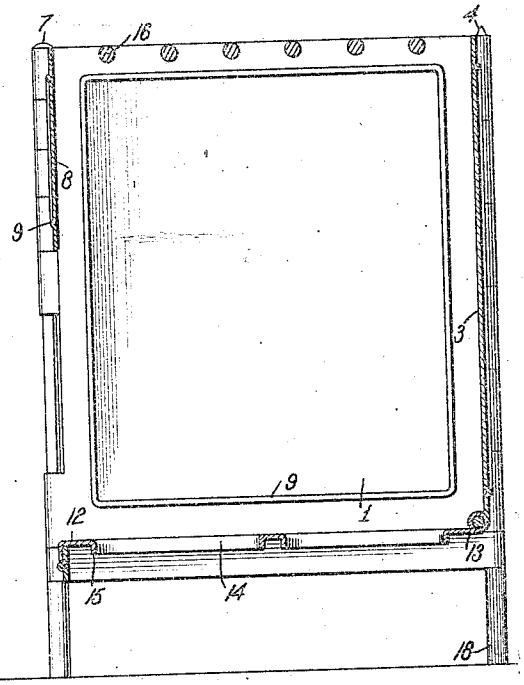


Fig. 5.

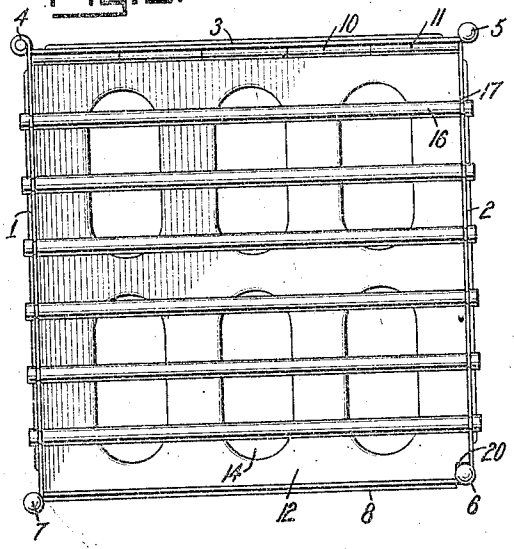
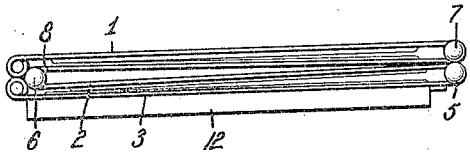


Fig. 6.



WITNESSES

Chas. H. Leibman

A. L. Kitchin

INVENTOR

Armin H. Green

BY Munn & Co

ATTORNEYS

UNITED STATES PATENT OFFICE.

ARMIN H. GREEN, OF LOS ANGELES, CALIFORNIA.

CAMP-STOVE.

1,212,162. Specification of Letters Patent. Patented Jan. 9, 1917.

Application filed February 18, 1916. Serial No. 79,024.

To all whom it may concern:

Be it known that I, ARMIN H. GREEN, a citizen of the United States, and a resident of Los Angeles, in the county of Los Angeles and State of California, have invented a new and Improved Camp-Stove, of which the following is a full, clear, and exact description.

This invention relates to stoves and particularly to an improved arrangement of folding stove, and has for an object the provision of an improved construction especially adapted for camping outfits, the parts being so arranged as to require a minimum space.

Another object in view is to provide a stove with connected parts which may be folded into a flat package for transportation or storage.

A still further object in view is to produce a stove which may have the parts thereof folded together and the principal parts formed from sheet material bent into the desired shape whereby an amply strong construction is produced and a minimum weight is utilized.

In the accompanying drawings:—Figure 1 is a perspective view of a stove embodying the invention. Fig. 2 is a top plan view of the stove partially folded, the arrows showing the direction of folding of the various members. Fig. 3 is a front view of the stove shown in Fig. 1. Fig. 4 is a section through Fig. 3 on line 4—4. Fig. 5 is a top plan view of the structure shown in Fig. 3. Fig. 6 is an edge view of the stove in its completely folded position.

Referring to the accompanying drawings by numerals, 1 and 2 indicate the side members while 3 indicates the back. The edges of members 1, 2 and 3 are provided with interlocking loops or barrel sections which, together with the various pins 4, 5, 6 and 7 form complete hinge constructions so that the parts are hinged together and to the front plate 8. It will be observed from Figs. 1 and 5 that all of the corners are arranged so that the barrel of the hinges will be on the outside except the corner containing the pin 6 which extends inwardly. This is in order to allow the parts to fold as shown in Figs. 2 and 6. It will be observed that the parts are made of sufficient length to allow the hinge structure associated with the pin 6 to come within or fall short of the hinge structure associated with pin 4, as clearly shown in Fig. 6.

Each of the side members and also the front member is provided with a pressed-out bead 9 for reinforcing these members and stiffening the same in order to produce a comparatively stiff, strong construction while using comparatively thin sheet metal. The bottom of the back 3 is provided with turned-over barrels 10, as shown in Fig. 5, interlocking with turned-over barrels 11 of the bottom 12 so as to form a hinge structure, a suitable pintle 13 being used for connecting the hinge sections together. This will allow the bottom to be folded against the back as shown in Fig. 2, preparatory to folding the entire stove.

It will be observed that the front plate 8 extends from the top for a short distance downwardly and is provided with a comparatively large opening below said plate, thus permitting the supplying of fuel to the bottom 12. In forming the bottom 12 a plurality of apertures 14 are produced by stamping or being pressed down, but in any event when these openings are produced part of the material or all of the material is bent down for forming flanges 15 which act as reinforcing or bracing members for the bottom. These openings act as a draft so that there will be a draft from beneath the stove upwardly through the stove and finally out through the top past the bars 16. Each of the bars 16 is provided with a restricted neck fitting into some of the apertures 17, thus preventing any accidental removal of any of these bars.

Tubular members or sleeves 18 are provided on each of the pintles 4, 5, 6 and 7 so as to support the sides and bottom a proper distance from the ground, the sleeve 18 on pintle 4 being preferably knurled so that the same may be grasped and pin 4 rotated or articulated when removed, as it is necessary to remove this pin before the stove can be folded. In order to hold the bottom 12 properly in place a transverse lower plate 19 is provided which is formed with a loop or hinge barrel in a similar manner to the plate 8 so no additional description is thought necessary. From Fig. 5 it will be noted that the bottom 12 snugly fits the sides except at one corner where it is cut away at 20 so as to accommodate the inwardly extending hinge structure at the

corner of the stove provided with the pintle 6. The various sleeves 18 may be rigidly secured to their pintles or loosely mounted thereon as preferred, except the sleeve 18 connected with pintle 4 which necessarily must be fixed in some manner, as for instance, by riveting. Pintles 5, 6 and 7 are preferably riveted at their upper ends so as to hold the same in place permanently.

All that it is necessary to do to fold the stove is to remove the bars 16 by lifting the same out of their respective notches and pull the pintle 4 out of the position shown in Fig. 1, and then fold the parts as shown in Fig. 2, bottom 12 being first folded against the back. This will contract the stove to the smallest possible extent for shipping purposes, and by reason of the fact that the parts are made few in number and principally of stamped sheet metal, the stove is very light and easily transported.

What I claim is:

In a stove of the character described, a pair of sides and a front and back, said sides and front and back being hinged together, a bottom hinged to said back, said front being cut away for providing an opening, said bottom having a turned-over flange fitting over the lower part of said front for stiffening and holding in place the sides, each of said sides being provided with a row of notches at the upper edge, and vertical supporting bars having notches whereby necks are produced, said necks fitting in the notches in said sides, said bars having the notched portions interlocking, and sides acting as reinforcing and stiffening members in addition to article supporting members.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ARMIN H. GREEN.

Witnesses:

ERNESTINE MÜLLER,

BENJAMIN KLEIN.