A. MUEHLEISEN.

CAMP STOVE.

APPLICATION FILED APR. 24, 1915.

1,209,610.

Patented Dec. 19, 1916.

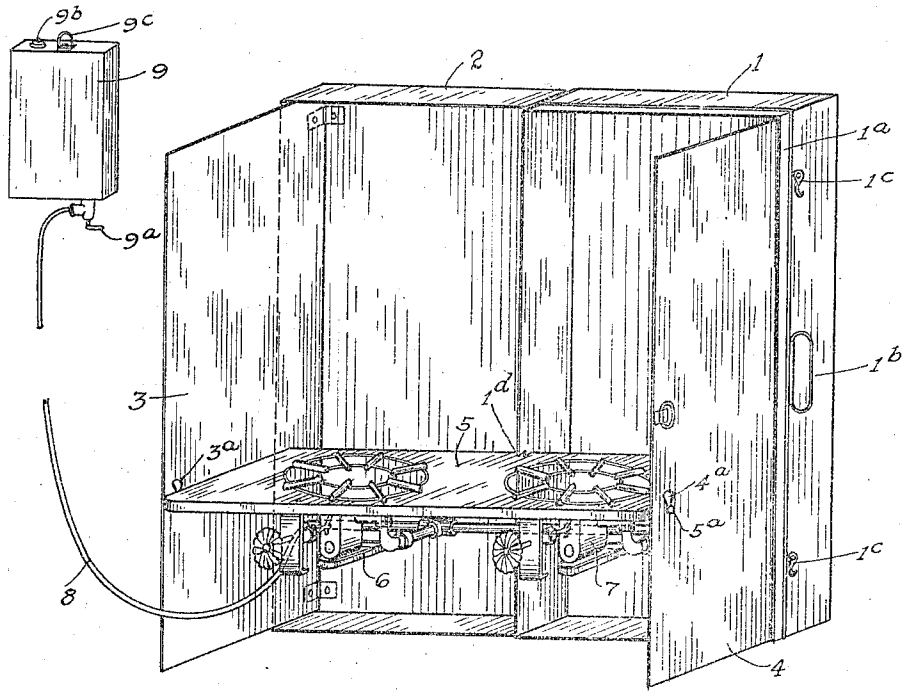


Fig. 1

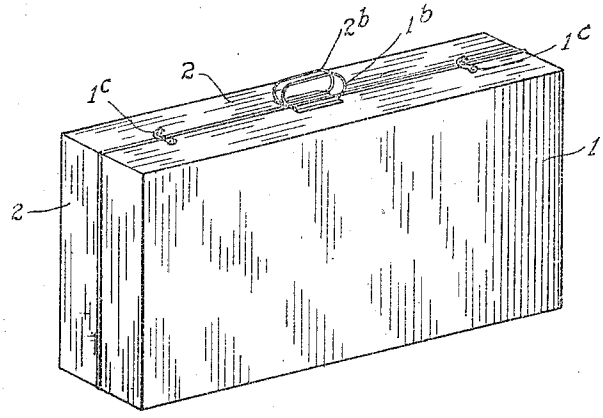


Fig. 2

WITNESSES

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UNITED STATES PATENT OFFICE.

ADOLPH MUEHLEISEN, OF SAN DIEGO, CALIFORNIA.

CAMP-STOVE.

1,209,610. Specification of Letters Patent. Patented Dec. 19, 1916.

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To all whom it may concern:

Be it known that I, ADOLPH MUEHLEISEN, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented certain new and useful Improvements in Camp-Stoves, of which the following is a specification.

My invention relates to a stove to be used by campers and for use particularly in places where cooking is done in the open.

The objects of my invention are, first, to provide a stove in which the frame or support is readily folded into a compact form for moving it from place to place; second, to provide a stove of this class with a wind-break so that it may be readily used in the open even in a high wind; third, to provide a device of this class which is simple, economical of construction and durable; fourth, to provide a stove of this class which may be readily converted into a compact form and inclosed in a small hand case, and fifth, to provide a stove of this class in which the gasolene tank may be placed some distance from the stove and out of the way, thus rendering it less dangerous.

With these and other objects in view as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon which form a part of this specification, in which:

Figure 1 is a perspective view of my camp stove complete and ready for use and Fig. 2 is a perspective view of the same when folded up into a compact form for moving.

Similar characters of reference refer to similar parts throughout the views.

The case piece 1, case piece 2, support 3, support 4, burner plate 5, burners 6 and 7, flexible tube 8 and fuel receptacle 9, constitute the principal parts of my camp stove.

The case piece 1 is a rectangularly shaped box with a projecting edge 1^a at the top open side thereof. To the bottom on one side is hinged support 4 so that it will rest against the bottom or may be turned outward at right angles thereto as shown in Fig. 1 of the drawings. The case piece 2 is similarly constructed except that it is not provided with the projection 1^a and to it is also hinged a support 3, so that it may rest against the bottom of the case piece 2 or be turned at right angles thereto as shown in Fig. 1 of the drawings. These case pieces are provided with handles 1^b and 2^b and the case piece 1 is provided with hooks 1^c. The two case pieces, 1 and 2, are hinged together so that the open sides come together forming a case as shown in Fig. 2 of the drawings. The projection 1^a is provided with a notch at the point 1^d. The burner plate 5 is rectangularly shaped and of such size to fit readily into either one of the case pieces 1 or 2 when parallel with the bottom. In this burner plate 5 is secured the burners 6 and 7, which are the ordinary or conventional type of gasolene burners, they being no part of my invention, however it is necessary in order to make my stove very compact, to place the pipes and parts of the burners up close to the plate 5. The burner plate 5 is supported by the one side being inserted into the notch 1^d and on the two outer corners are provided lugs 5^a with extended heads which fit into the slots 3^a and 4^a in the supports 3 and 4 when said supports are extended at right angles to the bottom of their respective case pieces as shown in Fig. 1 of the drawings. These slots 4^a are large at the top and smaller at the bottom so that the head when placed in the slots 4^a at the top, can not be removed after it has dropped down to the bottom of said slots. Thus the projection 1^a on the case piece 1 and the supports 3 and 4 provide support for the plate 5 when ready for use and also provide a wind-break for the burners. The tube 8, for conducting the fuel to the burners is a flexible tube so that it may be wound close and placed in the case when folded up and may be of any length desired. To this flexible tube is attached the fuel receptacle 9 which is a tight metallic receptacle provided with a needle valve 9^a at the bottom and with a plug 9^b in the top provided with a gasket so that it will not leak when the plug is screwed tight. It is also provided with a handle 9^c so that it may be hung on anything of the proper height as a tree, stake and the like.

It is preferable to make the stove complete of metal but portions of the same may be made of other material if desired.

Though I have shown and described a particular construction, combination and arrangement of parts, I do not wish to be lim-

ited to this particular construction, combination and arrangement but desire to include in the purview of my invention, the construction, combination and arrangement, substantially as set forth in the appended claims.

It is obvious that with this construction there is provided a stove, the frame or support of which may be folded into a case into which the burners, burner plate, fuel conveyer and fuel receptacle may be readily placed, thus placing it in a very compact form for conveying it from place to place; that the frame and support for the plate and burners when folded form a hand case for the ready conveyance of the stove plate, burners, fuel conveyer and fuel receptacle; that said case when opened provides means for breaking the wind so that the stove may be readily used in the open in a wind; that the device complete is simple and economical of construction, durable and that it can be readily converted from a stove for use into a very compact form for moving.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is—

1. In a camp stove, a pair of rectangularly shaped metallic boxes hinged together so they will fold with their open sides together, a metallic support hinged at the bottom near one side of each of said boxes, a rectangularly shaped plate adapted to fit into either of said boxes provided with means for engagement with said supports for supporting said plate, a plurality of gasolene burners mounted in said plate and means for conducting fuel to said burners adapted to be folded into one of said boxes, whereby said supports, plate, burners and fuel conductor may be folded into said boxes and said boxes folded together in the form of a case for carrying the same.

2. In a device of the class described, the combination of a pair of rectangularly shaped boxes hinged together at one side and provided with handles on their opposite sides, a pair of rectangularly shaped flaps foldably mounted one in each of said boxes at the bottom at one side thereof adapted to fold down against the bottom of said boxes and when unfolded extend past the outer sides of said boxes and a gasolene stove plate so shaped as to fit into either of said boxes provided with means on each end adapted to engage with said flaps when in their unfolded position for supporting said stove plate.

3. In a device of the class described, the combination of a pair of rectangularly shaped boxes hinged together at one side and provided with handles on their opposite sides, a pair of rectangularly shaped flaps foldably mounted one in each of said boxes at the bottom at one side thereof adapted to fold down against the bottom of said boxes and when unfolded extend past the outer sides of said boxes and a gasolene stove plate so shaped as to fit into either of said boxes provided with means on each end adapted to engage with said flaps when in their unfolded position for supporting said stove plate, an oil supply tank adapted to fit in either of said boxes and a flexible tube extending from said oil supply tank to said stove plate adapted to fold into either of said boxes, whereby said stove plate, flaps, supply tank and flexible tube may be inclosed in said boxes forming a case for carrying the same or when open forming a stove for cooking purposes.

In testimony whereof, I have hereunto set my hand at San Diego, California, this ninth day of April, 1915.

ADOLPH MUEHLEISEN.