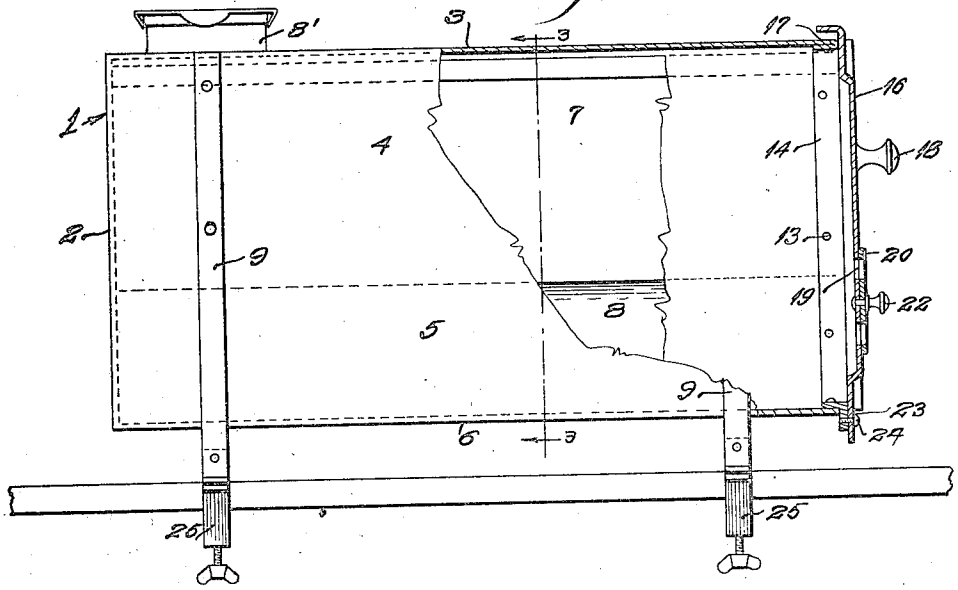
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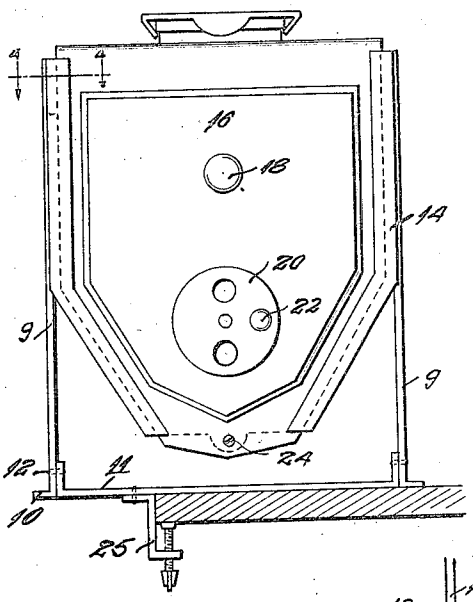
F. W. KOHL

CAMP STOVE

Filed June 15, 1923

Fig. 1





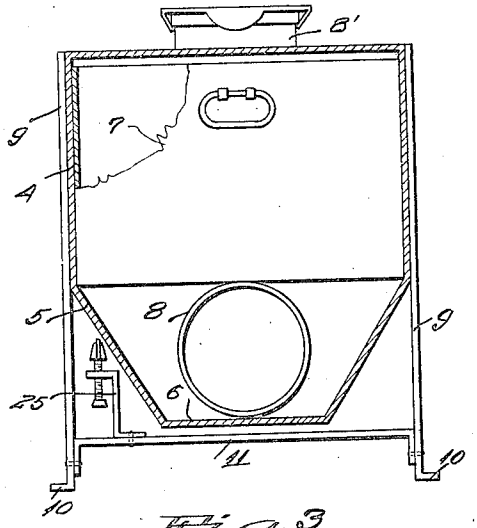


Fig. 3

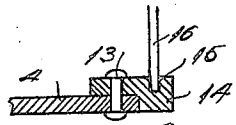


Fig. 2

Fig. 4

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UNITED STATES PATENT OFFICE.

FREDERICK W. KOHL, OF RIPON, WISCONSIN, ASSIGNOR TO KOHL HARDWARE CO., OF RIPON, WISCONSIN.

CAMP STOVE.

Application filed June 15, 1923. Serial No. 645,659.

To all whom it may concern:

Be it known that I, FREDERICK W. KOHL, a citizen of the United States, and resident of Ripon, in the county of Fond du Lac and State of Wisconsin, have invented certain new and useful Improvements in Camp Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to improvements in portable cooking stoves, and particularly to that type adapted for use by campers.

Heretofore, in stoves of this character it has been found that they are constructed in such a manner that the movement of the same from place to place is a considerable source of annoyance to campers, particularly where it is necessary to carry both the stove and foodstuff in a very limited space.

Therefore, the object of my invention is to provide a stove of the class described so constructed that the same may be moved from place to place and set up in a very short order.

Another object of my invention is to provide a stove so constructed that the same may be secured to a movable vehicle and removed therefrom at will.

A further object of my invention is to provide a stove adapted for use by campers and one that can be secured to the running board of an automobile for transportation.

Still another object of my invention is to provide means for securing the stove to a vehicle for transportation and said means further supporting the stove when used for cooking.

It is another object of my invention to provide a stove forming a dust proof and water proof receptacle and having therein means for holding food, and other objects, during transportation.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this application and in which similar characters denote corresponding parts throughout the several views:—

Figure 1 is a side elevation, partly in section, of my improved stove showing the same secured to the running board of an automobile.

Figure 2 is a front elevation of the same.

Figure 3 is a section taken on the line 3—3 of Figure 1 showing the various articles carried in the stove, and

Figure 4 is a detail sectional view taken on the line 4—4 of Figure 2.

Referring to the drawings in detail, the numeral 1 designates the body of my improved stove the same being constructed of sheet metal or the like and having an end portion 2, a top 3 serving as the cooking top, and two side walls, the latter being provided with a vertical portion 4 and an inwardly inclined portion 5, to which the bottom 6 is connected. Referring to Figure 3 it will be noted that this particular structure provides a support for a covered receptacle 7 adapted to be placed within the body and upon the inclined walls 5 for the reception therein of cooking utensils, foodstuff or the like, while the lower portion of the space formed by the inclined walls receive therein a smoke pipe 8 adapted to be connected to a collar 8′ which surrounds a smoke opening arranged in the top 3, the same having thereon during transportation of the stove a suitable cap to prevent dirt from passing down into the stove.

In the accompanying drawings I have shown the end portion, the side walls and the bottom of the body 1 as being constructed of one piece of metal, but if desired the same may be formed of independent pieces and connected together to form the shape above described.

The end portions of each side wall 4 have secured thereto in any suitable manner the vertically extending metallic bars 9, the lower end portion of each extending beyond the bottom of the body 1 and provided with an outward extension 10, which serves as a foot or support for the body when the stove is removed from its attached position to a vehicle.

The oppositely disposed bars 9, at each end of the body, are connected by cross bars 11, the same being pivotally connected to the former, as at 12, for a purpose hereinafter to be described.

The open end of the body 1, or the front end thereof, has secured thereto by rivets 13, a U-shaped aluminum frame 14, the inner side of each leg having therein a groove 15, as disclosed in Figure 4, for the reception of the edge of a removable door 16. As disclosed in the drawings, it will be noted that the frame 14 is secured to the side walls

of the body and to compensate for the space that would occur should the front edge of the top lie in the same plane with the side edges, I have extended the top out to lie flush against the door, folding the same upon itself as indicated at 17.

Slidable in the grooves 15, of the frame 14, is a door 16, the same having secured thereto a suitable handle 18 and openings 19 arranged in its lower portion which serve as draft openings, the latter being opened and closed by a member 20 pivoted to the door and having an operating knob 22. The lower end of the door 16 projects beyond the bottom edge of the frame 14 and has therein an opening 23 through which suitable securing means 24, such as a bolt or screw, passes to engage with the frame 14 to lock the door in a closed position.

As disclosed in Figure 2, it will be noted that the bars 11 are adapted to be swung about their pivots and to assume such a position that one face of the bar lies within the same plane of the bottom face of the foot 10. This face of the bar 9 has pivotally mounted thereon, adjacent one of the vertical bars 7, a screw clamp 25, which is adapted to be moved so as to engage the running board of a vehicle, as disclosed in Figure 2, or to be moved together with the bar 11, to a second position as indicated in Figure 3 to permit the ends of the bars 9 to serve as supports for the stove when removed from the running board.

In the use of a stove of this character the same is removed from its attached position upon a vehicle and the bars 11 and the clamping elements 25 are swung to a position as illustrated in Figure 3 to permit the stove to be set upon the ground. The pan 7 is then removed from the body, together with the pipe section, and the latter placed upon the collar 8′ formed upon the top 3 of the stove. The stove is then ready for the fire, the draft of which is regulated by the control arranged upon the door.

From the foregoing, it is thought that the construction, operation and many advantages of the herein described invention will be apparent to those skilled in the art, without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

1. A stove of the class described having a body portion and supporting legs secured thereto, and means pivotally carried between the supporting legs for securing the stove to a movable element.

2. A stove of the class described having a body portion, supporting legs secured to said body, a bar pivotally connected between opposite legs, and a clamping element carried by said bar for securing the stove to a movable vehicle.

3. A stove of the class described having a body portion, supporting legs secured to said body, a bar pivotally connected between opposite legs, a clamping element pivotally mounted upon said bar, and said bar and clamping element adapted to be moved into one position for providing a support for said stove when in use and into a second position to secure the same to a movable vehicle.

4. A stove of the class described having a body portion the side walls, of which are provided with vertical and inwardly inclined sections, legs secured to the vertical section, a bar pivotally connecting opposite legs and having pivotally mounted thereon a clamp for securing the stove to a movable vehicle, and said clamp adapted to lie under said inclined section when the stove is in use.

5. A stove of the class described having a body portion the side walls of which are provided with vertical and inwardly inclined sections, a receptacle slidable within said body, and said receptacle adapted to be movable upon the inclined sections of said side walls.

In testimony that I claim the foregoing I have hereunto set my hand at Ripon, in the county of Fond du Lac and State of Wisconsin.

FREDERICK W. KOHL.