W. O. FASSETT.

CAMP STOVE.

APPLICATION FILED MAR. 23, 1918.

1,273,840. Patented July 30, 1918.

Fig. 1

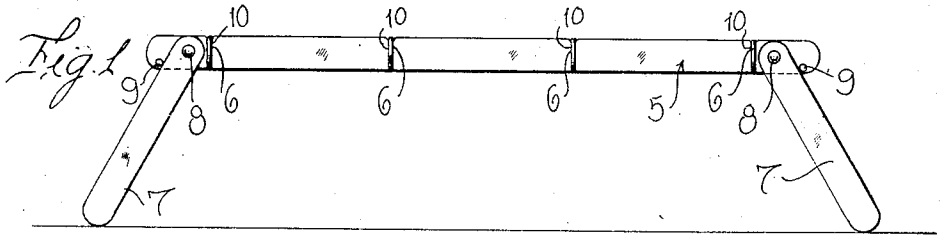


Fig. 2

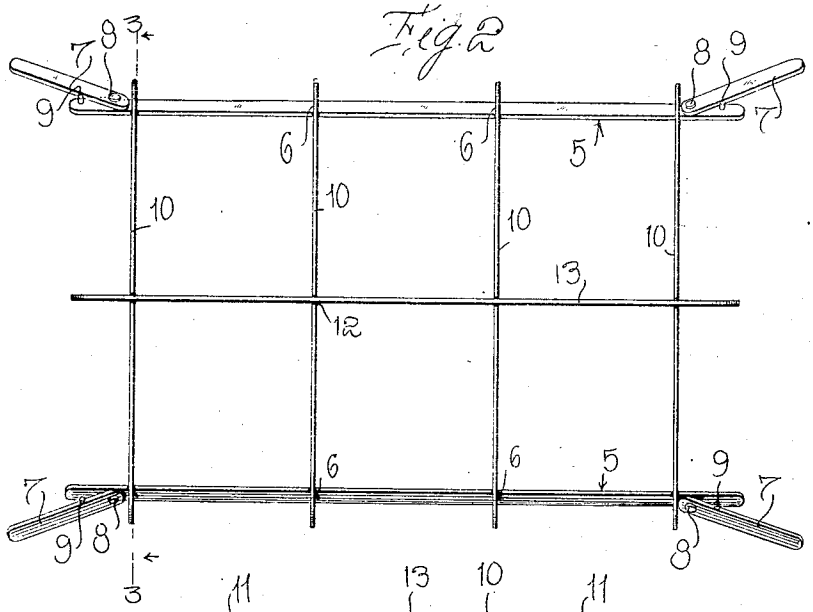


Fig. 3

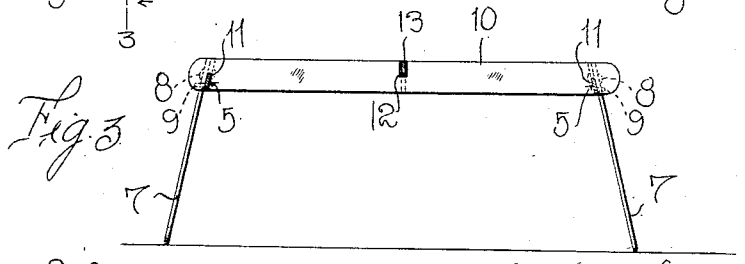


Fig. 6

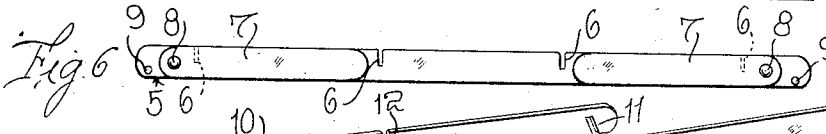


Fig. 4



Fig 5

Inventor

W. O. Fassett

By Watson & Coleman

Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLARD O. FASSETT, OF ALDERPOINT, CALIFORNIA.

CAMP-STOVE.

1,273,840. Specification of Letters Patent. Patented July 30, 1918.

Application filed March 23, 1918. Serial No. 224,339.

To all whom it may concern:

Be it known that I, WILLARD O. FASSETT, a citizen of the United States, residing at Alderpoint, in the county of Humboldt and State of California, have invented certain new and useful Improvements in Camp-Stoves, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to an improved camp stove, and has for its primary object to provide an article of this character consisting of a plurality of elements which may be easily and quickly assembled, to provide a rigid and substantial support for cooking utensils, and which may also be readily disassembled and the various elements compactly arranged so that they will occupy a minimum of space.

It is another and more particular object of the invention to provide supporting legs pivotally connected to parts of the stove structure and foldable with relation thereto, and means on the stove parts to limit the movement of the legs to their supporting positions.

It is also a further general object of my invention to provide a camp stove wherein the several parts are of very simple form so that the device may be manufactured at small cost, and which will be very serviceable and convenient in practical use.

With the above and other objects in view the invention consists in the improved combination, arrangement and construction of the several parts, as will be hereinafter more fully described, subsequently claimed and illustrated in the accompanying drawing, in which similar reference characters designate corresponding parts throughout the several views and wherein,

Figure 1 is a side elevation of a camp stove illustrating the preferred embodiment of the invention;

Fig. 2 is a top plan view thereof;

Fig. 3 is a section taken on the line 3—3 of Fig. 2;

Fig. 4 is a detail perspective view of one of the transverse bars of the stove structure;

Fig. 5 is a similar view of the intermediate longitudinal bar; and

Fig. 6 is a side elevation of one of the outer longitudinal bars showing the legs folded.

Referring in detail to the drawing, 5 designates the two longitudinal side bars of the stove structure, each of which is provided in its upper edge with the spaced transversely extending slots 6. At their open ends, these slots are slightly widened or flared, as clearly shown in the drawing. To the side bars 5 adjacent the ends thereof the supporting legs 7 are pivoted at one of their ends upon the stud bolts 8 fixed in the bars 5. In spaced relation to each of these bolts 8 and at the extreme end of the bar 5 a stop pin 9 is fixed in the bar against which one edge of the leg 7 is adapted to engage to limit the outward pivotal movement of said leg to its supporting position.

10 designates a series of transverse bars, preferably four in number. Each of these bars at its ends is provided with transversely extending obliquely inclined slots 11 which open upon the lower longitudinal edge of the bar. Each bar 10 is further provided centrally thereof with an additional transverse slot 12 which opens upon the opposite longitudinal edge of said bar. The latter slot is not inclined, but extends at right angles to the edge of the bar. In addition to the outer side bars 5, an intermediate longitudinal bar 13 is provided, said bar having a series of spaced transverse slots 14 therein which open upon the lower longitudinal edge of the bar. The slots in the bars 10 and 13 are widened or flared slightly at their upper ends in a similar manner to the bars 5.

In assembling the elements of the stove structure, the side bars 5 are arranged in spaced relation and the transverse bars 10 are then engaged with said side bars, the inclined slots 11 in the ends of the bars 10 being fitted downwardly through the slots 6 in the bars 5 and receiving the portions of said bars immediately below the slots 6. Owing to the fact that the slots 11 in the ends of the bars 10 are inclined inwardly from the ends of said bars, it will be manifest that the side bars 5 will be held at a vertical inclination, extending inwardly from their lower to their upper longitudinal edges. The supporting legs 7 at the ends of these side bars when disposed in operative positions against the stop pins 9 are likewise inclined inwardly transversely of the stove structure and thus provide very rigid and substantial supports for the body of the stove. Finally, the central longitudinal bar 13 is arranged in place. The slots 14 in this bar are disposed in registering

relation with the central slots 12 in the transverse bars 10 and the bar 13 then forced downwardly so that it will enter the slots 12 while the bars 10 are engaged in the slots 14. Thus the several elements of the stove structure will be securely held or locked together. Of course it is understood that the fire is built beneath the body of the stove. Pans, pots or other cooking utensils are then placed upon the stove, and it will be observed that there is ample space between the several bars for the flames to contact with the walls of the vessels.

After using the stove and when it is desired to transport the same, it is only necessary to remove the bar 13 and then disengage the ends of the bars 10 from the sides of the bars 5. Finally, the legs 7 are folded inwardly to lie alongside of the bars 5 in parallel relation thereto, and then all of the several parts can be disposed upon each other in superposed relation and the whole rolled or wrapped with a piece of canvas or other suitable covering, or they may be simply tied together at their ends.

From the foregoing description taken in connection with the accompanying drawings, it will be seen that I have devised a very simple and durably constructed stove for camp use which will be highly serviceable and convenient. The stove may be easily and quickly set up, or the several parts thereof disassembled and compactly stored away in a relatively small space. The bars may be of any desired length so as to produce a stove structure of predetermined dimensions. In view of the very simple form of elements employed, it will be further appreciated that the device as a whole can be manufactured at comparatively small cost.

While I have herein shown and described the preferred construction and arrangement of the various parts, it will be understood that the device is susceptible of considerable modifications therein, and I therefore reserve the privilege of adopting all such legitimate changes as may be fairly embodied within the spirit and scope of the invention as claimed.

I claim:

1. A device of the character described including a series of spaced longitudinal bars, means detachably connecting the bars to each other and locking them against relative longitudinal or lateral movement, said means co-acting with the outer longitudinal side bars to maintain the same in oppositely disposed, obliquely inclined planes, and means for supporting said bars in an elevated position.

2. A device of the character described including longitudinal side bars, a plurality of cross bars having means on their opposite ends for detachable engagement with the respective side bars to position the latter in vertically inclined planes, an intermediate longitudinal bar, said intermediate bar and the cross bars having coacting means to detachably retain the intermediate longitudinal bar in connection with the cross bars, and supporting means connected to the ends of said longitudinal side bars.

3. A device of the character described including outer longitudinal side bars, a plurality of cross bars each provided in its opposite ends with obliquely inclined transverse slots open upon one edge of the bar and adapted to receive said longitudinal side bars to position the latter bars in vertically inclined planes, and supporting means connected to the ends of said longitudinal side bars.

4. A device of the character described including outer longitudinal side bars, a plurality of cross bars each provided in its opposite ends with obliquely inclined transvers slots open upon one edge of the bar and adapted to receive said longitudinal side bars to position the latter bars in vertically inclined planes, an intermediate longitudinal bar having means for detachable engagement with said transverse bars, and supporting legs pivotally connected to the ends of the longitudinal side bars and foldable against the outer sides of said bars, when the parts are disassembled.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

WILLARD O. FASSETT.

Witnesses:
H. F. FERRILL,
PEARL H. FERGUSON.

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