Apr. 3, 1923. 1,450,802

F. A. FRYE

DEVICE FOR SUPPORTING UTENSILS OVER CAMP FIRES

Filed Oct. 8, 1921 2 sheets-sheet 1

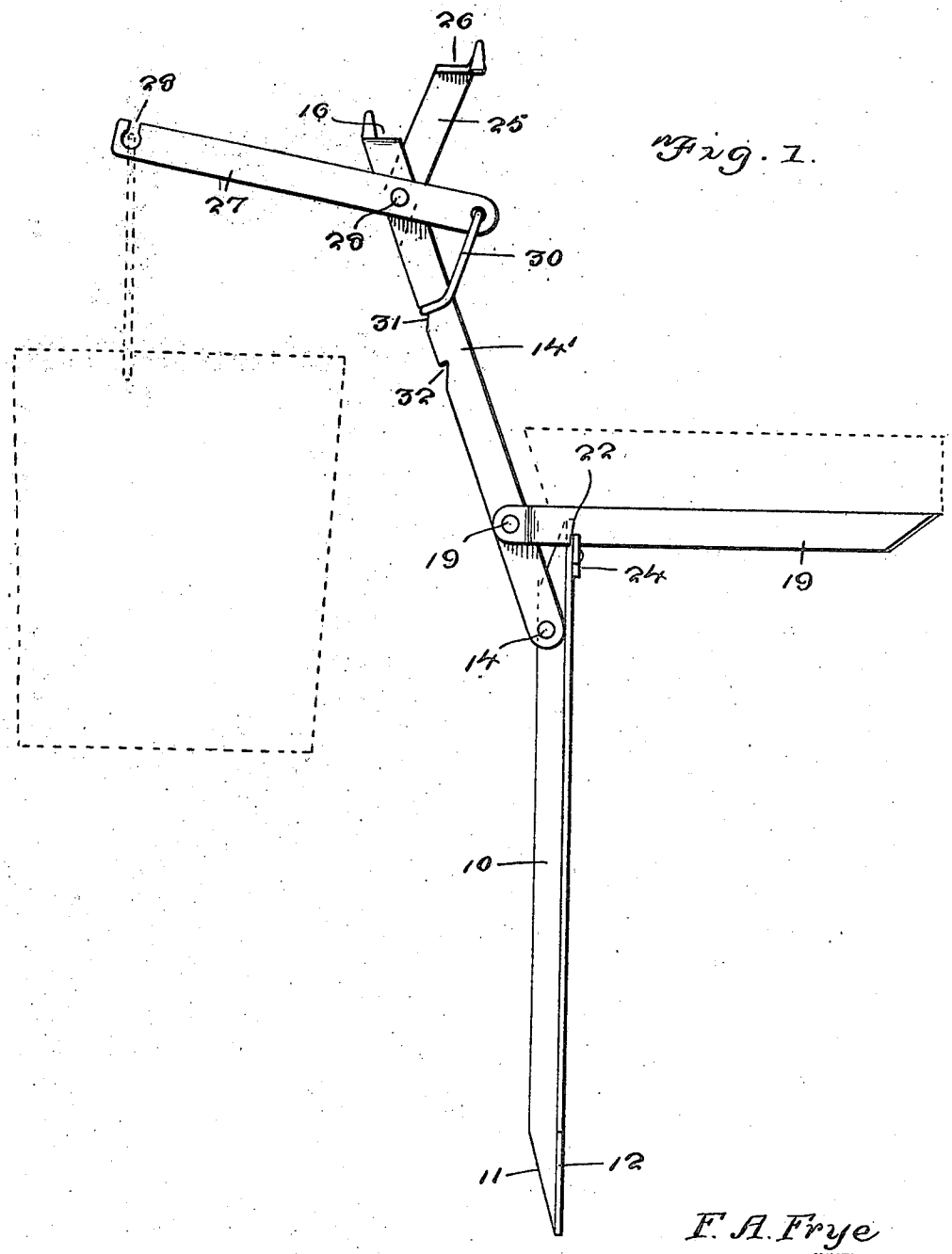


Fig. 1.

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Fig. 2.

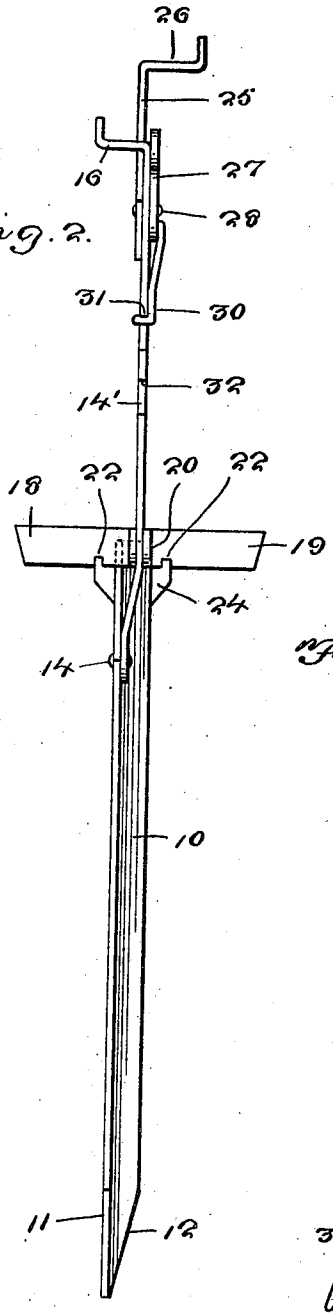


Fig. 3.

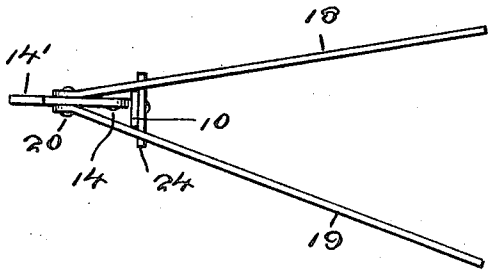


Fig. 4.

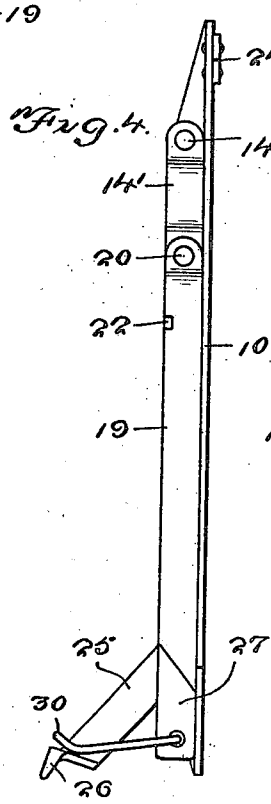
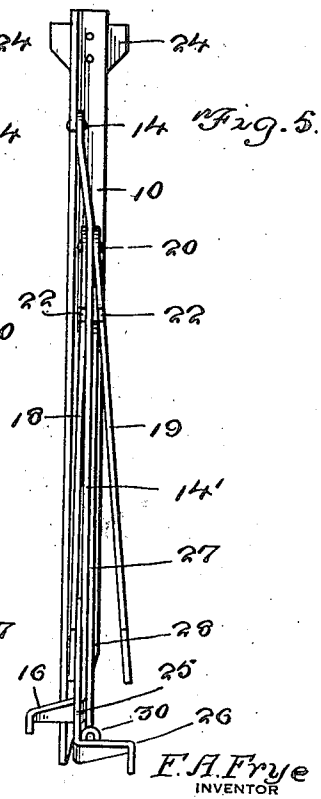


Fig. 5.



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UNITED STATES PATENT OFFICE.

FRED A. FRYE, OF AZUSA, CALIFORNIA.

DEVICE FOR SUPPORTING UTENSILS OVER CAMP FIRES.

Application filed October 8, 1921. Serial No. 506,428.

To all whom it may concern:

Be it known that I, FRED A. FRYE, a citizen of the United States, residing at Azusa, in the county of Los Angeles, and State of California, have invented new and useful Improvements in Devices for Supporting Utensils over Camp Fires, of which the following is a specification.

This invention relates to a device for supporting utensils over camp fires, and the object is to provide a standard, the lower end of which may be forced into the ground, and suitable devices being carried by the standard for supporting such cooking utensils as are customarily employed in preparing meals over a campfire.

A further object is to provide means for supporting such utensils in position so that they may be directly over the flame or coals, and in the path of the currents of heated air—only a small fire being required for cooking the contents of the several receptacles or utensils.

A still further object is to provide particular means for supporting a frying pan or the like, an adjustable arm for supporting a kettle, and other devices serving the purpose indicated below.

A still further object is to provide a device which shall be light in weight, and therefore readily carried even in the pocket of a coat, and one in which the elements are foldable or collapsible.

With the foregoing and other objects in view, the invention consists in the novel construction and arrangement of elements described and claimed, it being understood that modifications may be made within the scope of the claims, without departing from the spirit of the invention.

In the drawings, Figure 1 shows the device in side elevation, a bucket being illustrated in dotted lines at the left, and a pan appearing on a supporting element at the right; Figure 2 shows the structure of Figure 1 in elevation, from another angle, the utensils being omitted; Figure 3 is a top plan view showing especially the elements forming the shelf of Figure 1; Figures 4 and 5 are views in elevation, showing the device folded.

The standard 10 may be formed of angle iron, that is of a section of an angle bar, the flanges at the lower end being beveled as shown at 11 and 12, in order that the standard may readily be forced into the ground.

Pivotally connected with the standard at the point 14 is an upwardly extending bar 14′, having its upper end deflected or bent into the form of a hook 16, permitting a kettle or other utensils to be supported therefrom.

Two flat bars 18 and 19 are pivotally connected at 20 with bar 14, and these bars 18 and 19 are provided with notches 22 on their lower edges. These bars, which extend laterally, diverge as shown, being spaced apart a distance equal to the width of one of the flanges of the angle bar. Connected with said angle bar near its upper end is a transverse element constituting a plate 24 which engages the aforesaid notches in the bars 18 and 19, thereby forming a type of locking device for retaining the bar 14 and bars 18 and 19 in proper relation relative to the standard 10.

Rigidly connected with the bar 14′ near the upper end thereof is a short arm 25 projecting in an inclined direction with reference to the bar 14′, and provided at its upper end with a hook 26 for supporting a kettle or other utensil.

A bar 27 is pivotally connected at 28 with the bar 14′ and normally extends outwardly therefrom, but is foldable with reference to the bar 14′, as are also the arms 18 and 19. This bar 27 is provided with a hook 28 near its outer end, for supporting any suitable utensil, and the shorter end of the arm 27 is connected by means of a hook 30 with one of the notched portions 31 or 32 of the bar 14. The arm 27 is therefore adjustable and may be retained at different angles.

Arms 18 and 19 are designed especially for supporting a frying pan or other similar utensil, and it will be noted that all of the utensils are supported in a position adjacent to the standard 10 and that it is only necessary to have the fire cover a small area, in order to provide heat for the contents of all of the vessels.

What is claimed is:

1. In a device of the class described, a standard, an element connected therewith, and foldable with reference to the standard, a foldable arm connected with said element and including a device for supporting a utensil, means for retaining the said arm in a plurality of positions with reference

to said element, a member pivoted to the element connected with the standard and projecting from the standard on the side opposite to that in which the utensil is supported, and means on the standard for engaging the member so projecting.

2. In a device of the class described, supporting means including a transverse element mounted near the upper end of said means, an element pivoted to the supporting means, notched arms pivoted to said element, the notched portions being adapted to engage the transverse element when the arms are in an approximately horizontal position and said arms being held in diverging relation when so engaged.

In testimony whereof I affix my signature.

FRED A. FRYE.