L. A. WEYBURN.

CAMP GRATE.

APPLICATION FILED MAR. 27, 1917.

1,244,932. Patented Oct. 30, 1917.

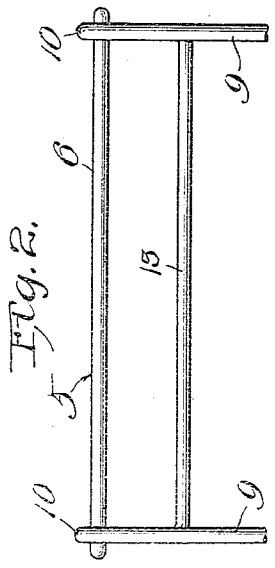


Fig. 2.

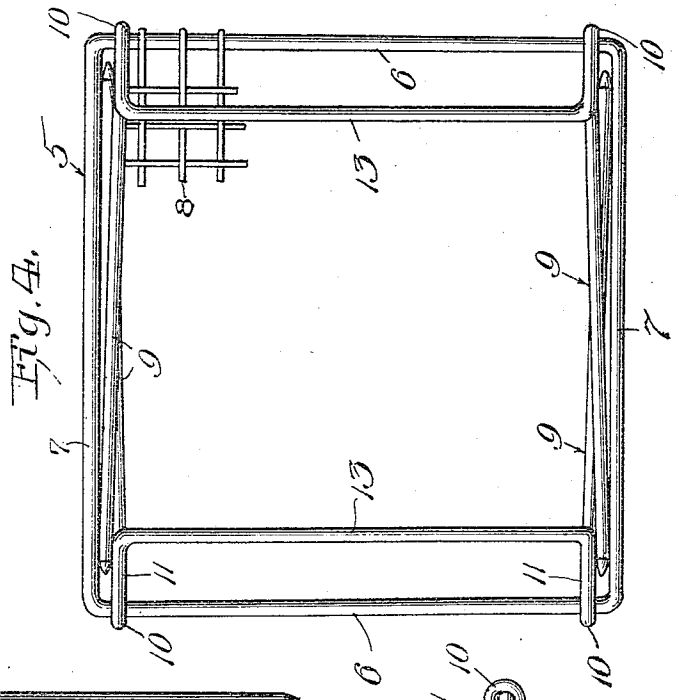


Fig. 4.

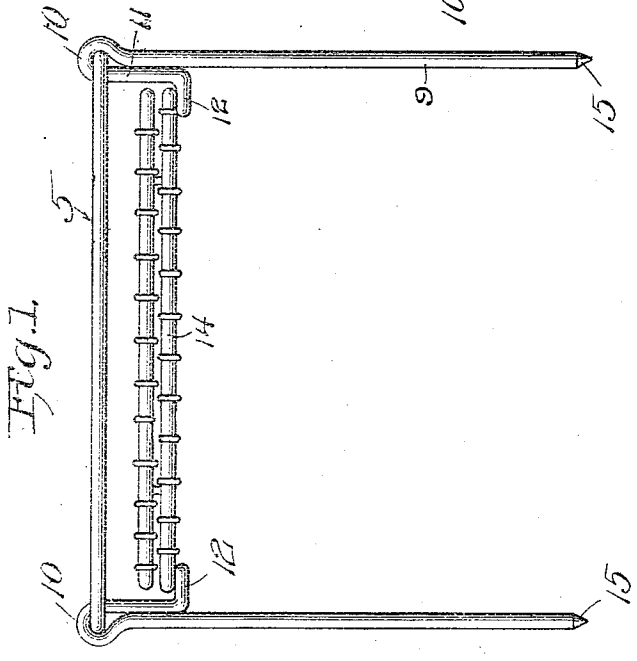


Fig. 1.

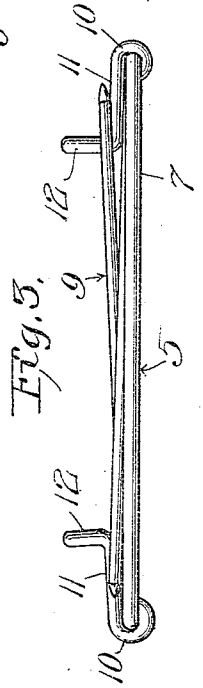


Fig. 3.

Witness:
Harry S. Gaither

Inventor:
Lewis A. Weyburn
by Fleming & Fleming
Attys.

UNITED STATES PATENT OFFICE.

LEWIS A. WEYBURN, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE COLLIS COMPANY, OF CLINTON, IOWA, A CORPORATION OF IOWA.

CAMP-GRATE.

1,244,932. Specification of Letters Patent. Patented Oct. 30, 1917.

Application filed March 27, 1917. Serial No. 157,658.

To all whom it may concern:

Be it known that I, LEWIS A. WEYBURN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Camp-Grates, of which the following is a specification.

The present invention is a folding camp grate so designed as to be easily folded up into a small compass for packing, and adapted, when unfolded, to furnish an upper grid surface for the support of the desired cooking utensils, and a ledge or shelf below the grid surface designed to support a broiler, frying pan, or the like, so that, with the use of the grate of the present invention, two or more cooking utensils can be supported and heated at one and the same time, which is highly desirable from every standpoint.

The invention consists in the features of construction and combinations of parts hereinafter described and claimed.

In the drawings:

Figure 1 is an end elevation of the grate in operative condition;

Fig. 2 is a side elevation of the upper portion of the same;

Fig. 3 is an edge view showing the manner of folding the grate for storage or transportation; and

Fig. 4 is a plan view of the grate folded as in Fig. 3.

The grate comprises a top frame 5 of rectangular shape and of suitable dimensions comprising side rails 6 and end rails 7 preferably formed of a continuous rod or strip of metal, and the rails serve as a support for a grid 8 of mesh formation. The frame is supported by two pairs of legs or standards 9, each pair of which is formed from a continuous rod or bar of metal which is so bent as to afford a loop or eye 10 at the upper end of each leg, which loops or eyes hook over and embrace the side rails 6 near the ends thereof. The metal composing the inner ends of the loops or eyes is bent down to furnish a hanger 11 which lies against and is preferably brazed, soldered, or otherwise connected to the inner surface of the adjacent leg. Each of the hangers at their lower ends is inwardly bent to furnish an extension 12, which extensions are connected by means of a cross bar 13 which furnishes a shelf or support for suitable utensils, such as a broiler 14, a frying pan, or the like.

The lower ends 15 of the legs are preferably beveled or shortened, so that they may be sunk into the ground to support the grate immediately above the fire.

In order to fold up the grate, each pair of legs is reversed and swung back over the upper surface of the grate, as shown in Figs. 3 and 4. In order to properly nest the parts together, the legs of each pair are arranged in slightly diverging relation with respect to one another, so that the tip ends will extend past and embrace the outer edges of the shelf-like member of the other pair of legs, thereby permitting the parts to nest closely together into a substantially flat relation, as best shown in Fig. 3.

By reversing the legs as described, the shelf portions will project away from the grid portion, so that the legs may lie substantially flat thereon, which would not be possible if it were sought to fold the legs against the under side of the grid.

The device is one which is extremely simple and cheap in construction, and which may be instantly assembled or disassembled, as occasion may require.

In use, a broiler or the like can be supported in the lowermost position, and the coffee-pot, for instance, on top of the grid, and the heating of both meat and drink can be simultaneously accomplished without loss of fuel, which, of course, is highly desirable in camp cooking operations.

I claim:

1. In a camp grate, the combination of a rectangular frame composed of connected side and end rails affording support for a grid surface, two pairs of legs each formed of a single piece of metal rod bent to provide two eyes at the upper end adapted to loop over one of the frame rails near its ends to provide a pivotal mounting, and below the rails being inwardly bent and extended from opposite directions parallel to the rail to afford a shelf or support below the grid surface, substantially as described.

2. In a camp grate, the combination of a rectangular frame composed of connected side and end rails affording support for a grid surface, two pairs of legs each formed of a single piece of metal rod bent to provide two eyes at the upper end adapted to

loop over one of the frame rails near its ends to provide a pivotal mounting, and below the rails being inwardly bent and extended from opposite directions parallel to the rail to afford a shelf or support below the grid surface, the legs of each pair being downwardly diverging to permit of each being reversely laid back over the upper surface of the grid frame in position to permit the ends of each pair of legs to embrace the shelf at the opposite pair, substantially as described.

3. In a camp grate, the combination of a frame, legs mounted on two of the frame sides, the legs being formed in pairs, one for each of the two frame sides, each pair of legs consisting of a single piece of metal rod bent to provide eyes adapted to loop over one of the frame sides near its ends, and to swing upon the frame side as a pivot through an arc of substantially 270° whereby the legs in one position may lie adjacent and parallel to the frame and in the other position perpendicular thereto, substantially as described.

4. In a camp grate, the combination of a frame, legs mounted on two of the frame sides, the legs being formed in pairs, one for each of the two frame sides, each pair of legs consisting of a single piece of metal rod bent to provide eyes adapted to loop over one of the frame sides near its ends, and to swing upon the frame side as a pivot through an arc of substantially 270° whereby the legs in one position may lie adjacent and parallel to the frame and in the other position perpendicular thereto, the rod comprising the legs being extended between them in a vertical plane somewhat nearer the center of the frame and at a distance therebelow to afford a support beneath the frame, substantially as described.

LEWIS A. WEYBURN.

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

Correction in Letters Patent No. 1,244,932.

It is hereby certified that Letters Patent No. 1,244,932, granted October 30, 1917, upon the application of Lewis A. Weyburn, of Chicago, Illinois, for an improvement in "Camp-Grates," were erroneously issued to The Collis Company, of Clinton, Iowa, a corporation of Iowa, whereas said Letters Patent should have been issued to *the patentee, said Weyburn,* he being sole owner of the entire interest in said invention; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 20th day of November, A. D., 1917.

[SEAL.]

R. F. WHITEHEAD,

Acting Commissioner of Patents.

Cl. 126—30.