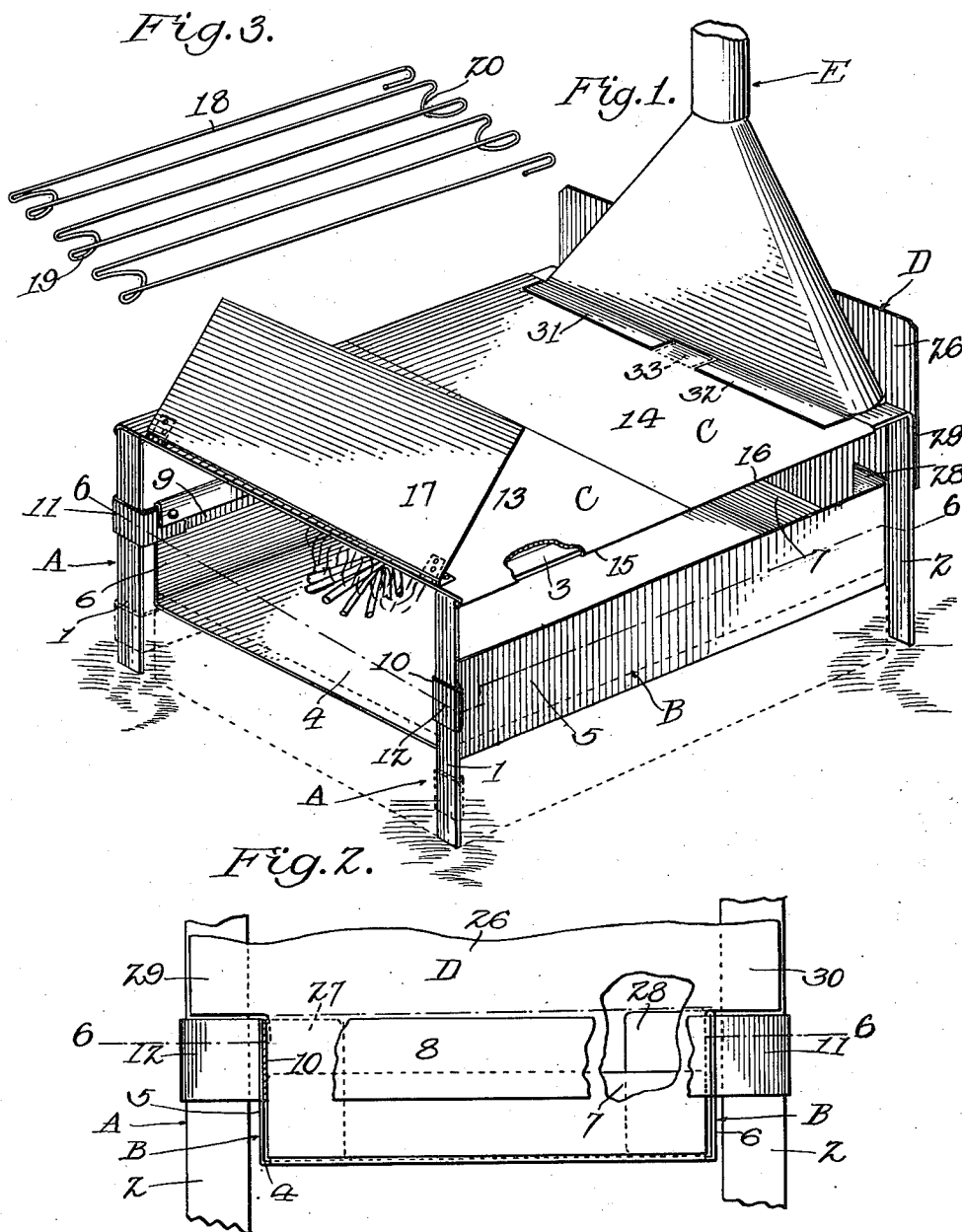


J. N. McDANIELS.
FOLDING CAMP STOVE.
APPLICATION FILED SEPT. 9, 1909.

963,922.

Patented July 12, 1910.

3 SHEETS—SHEET 1.



Witnesses:

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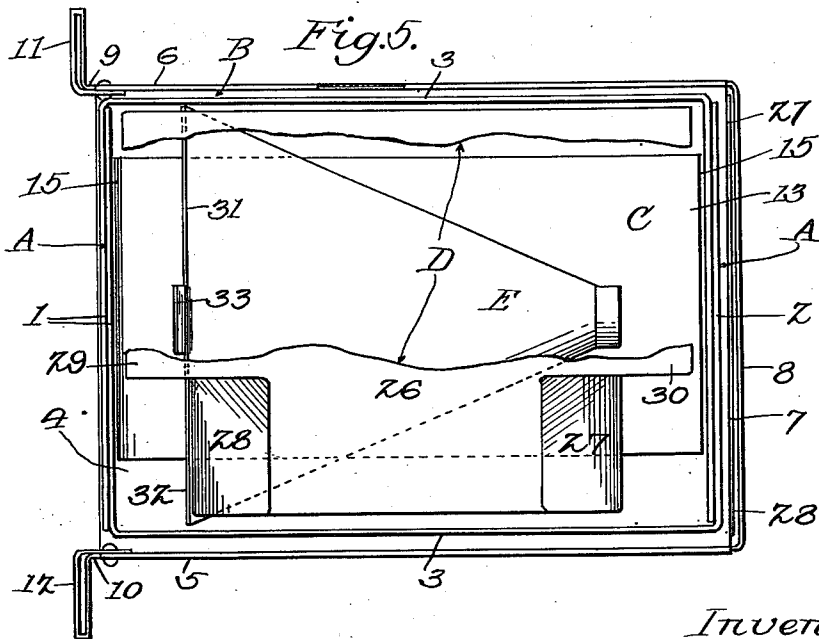
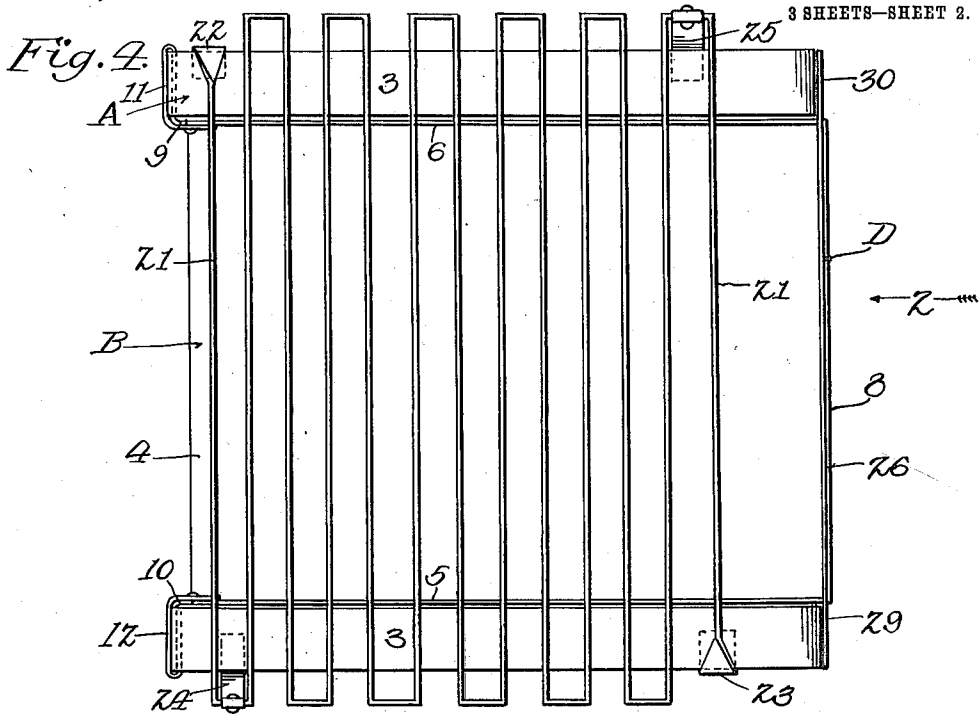
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963,922.

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3 SHEETS—SHEET 2.



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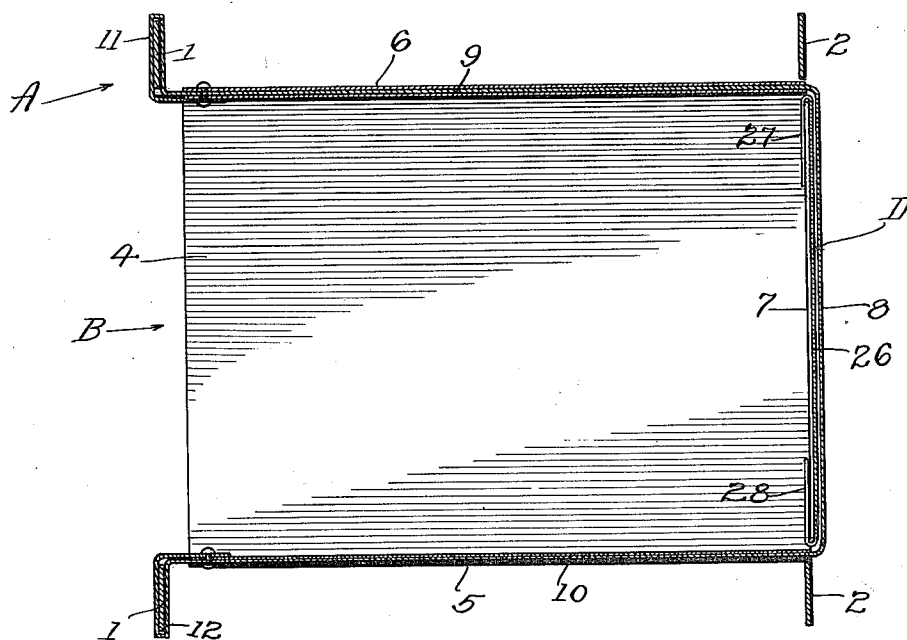
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3 SHEETS—SHEET 3.

Fig. 6.



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UNITED STATES PATENT OFFICE.

JOHN N. McDANIELS, OF LOS ANGELES, CALIFORNIA.

FOLDING CAMP-STOVE.

963,922.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed September 9, 1909. Serial No. 516,896.

To all whom it may concern:

Be it known that I, JOHN N. McDANIELS, a citizen of the United States, residing at Los Angeles, California, have invented a new and useful Folding Camp-Stove, of which the following is a specification.

My object is to construct a stove which may be readily adjusted for different capacities and different fuels and which may be readily knocked down and nested for transportation; and my invention consists of the novel features herein shown, described and claimed.

My invention includes: A, removable legs for supporting the adjustable fire-box and for supporting the removable top sections. B, a fire-box adjustably and removably mounted upon the legs. C, top-sections removably mounted upon the legs. D, a wind-shield removably mounted upon the fire-box. E, a smoke-stack removably mounted upon a top-section.

In the drawings: Figure 1 is a perspective view of a folding or knock-down camp stove embodying the principles of my invention, and showing one form of top sections. Fig. 2 is a fragmentary rear end elevation, as seen looking in the direction indicated by the arrow 2, in Fig. 4. Fig. 3 is a perspective of a modified form of the top sections. Fig. 4 is a top plan view of the stove and showing a second modification of the top sections. Fig. 5 is a plan of the stove knocked down and nested. Fig. 6 is a horizontal sectional detail taken on the lines 6-6 of Figs. 1 and 2.

Referring to the drawings in detail: The removable legs A are mates and each comprises a front leg proper 1, a rear leg proper 2, and a supporting-bench 3 connecting the upper ends of the legs 1 and 2, all formed of a single piece of sheet metal, the legs proper being vertical and the supporting-bench being horizontal.

The fire-box B is formed of sheet metal and comprises the flat bottom 4; the sides 5 and 6 and the back 7 extending upwardly from the bottom; the back-bar 8 outside of the back 7; the side-bars 9 and 10 extending forwardly from the ends of the back-bar 8 and secured to the sides; and the bearing-blocks 11 and 12 extending outwardly from the forward ends of the side-bars 9 and 10 and adapted to slide upon the front legs proper 1, so that the fire-box may be ad-

justed up and down by sliding the bearing-blocks, the overbalancing weight of the fire-box causing the bearing-blocks to grip the front legs so as to hold the fire-box in its adjusted position.

The top sections C, shown in Fig. 1, comprise metal plates 13 and 14, the ends of the plates having hooks 15 and 16 to receive the supporting-benches 3, and the door 17 being hinged to the forward edge of one of the plates.

The modified form of top section shown in Fig. 3 is formed of round rod or heavy wire bent to form the parallel supporting-bars 18, to reach across the fire-box and rest upon the benches 3, and the hooks 19 and 20 at the ends of the supporting-bars to receive the benches.

The modified form of top section shown in Fig. 4 is formed from a continuous flat rod set with its edges up and down and bent to form the parallel supporting-bars 21 to reach across the fire-box and rest upon the benches 3, the ends of the rod being bent to form the hooks 22 and 23 to receive the benches, and hooks 24 and 25 are attached to the rod directly opposite the hooks 22 and 23 and to receive the benches. This form of top section may be compressed for packing.

The wind shield D comprises a plate 26 adapted to be inserted downwardly between the back 7 and the back-bar 8, the hooks 27 and 28 extending from the sides of the plate 26 around the sides of the back 7, and the wings 29 and 30 extending outwardly from the upper part of the plate. The wind shield is used with any of the forms of top.

The smoke-stack E is intended to be used with the imperforate top shown in Fig. 1, and is in the form of an inverted flat funnel, and has flanges 31, 32 and 33 extending forwardly from the lower edge of the front side, the flanges 31 and 32 resting upon the rear edge of the top and the flange 33 extending under said rear edge so as to hold the smoke-stack in place. With the open form of top the smoke-stack is not needed.

When it is desired to fold the stove or knock it down and pack it for shipping, all the parts are removed from the fire-box, the legs are placed in the fire-box with one bench on one side and the other bench on the other side, the top-sections are placed in the space surrounded by the legs, the smoke-stack is placed upon the top-sections, and the

wind-shield is placed on top of all, and in this way the entire apparatus may be packed in the fire-box.

I claim:

- 5 1. In a folding camp stove, supporting legs carrying horizontal benches, bearing-blocks slidably mounted upon the two front legs, a fire-box connected to the bearing-blocks and extending backwardly so that
10 the bearing-blocks may be moved up and down upon the legs and so that the overbalancing of the fire-box will cause the bearing-blocks to grip the legs and hold the fire-box in its adjusted position, and top sections
15 mounted upon the benches.
2. In a folding camp stove, supporting

legs carrying benches, a fire-box adjustably and removably mounted upon the legs, top sections removably mounted upon the benches, and a wind-shield removably mounted upon the fire-box. 20

3. In a folding camp stove, supporting legs carrying benches, a fire-box removably and adjustably mounted upon the legs, top sections removably mounted upon the
25 benches, a wind-shield removably mounted upon the fire-box, and a smoke-stack removably mounted upon a top section.

JOHN N. McDANIELS.

Witnesses:

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