

(No Model.)

C. W. WYNN.  
SECTIONAL COOKING BOILER.

No. 491,865.

Patented Feb. 14, 1893.

Fig. 1.

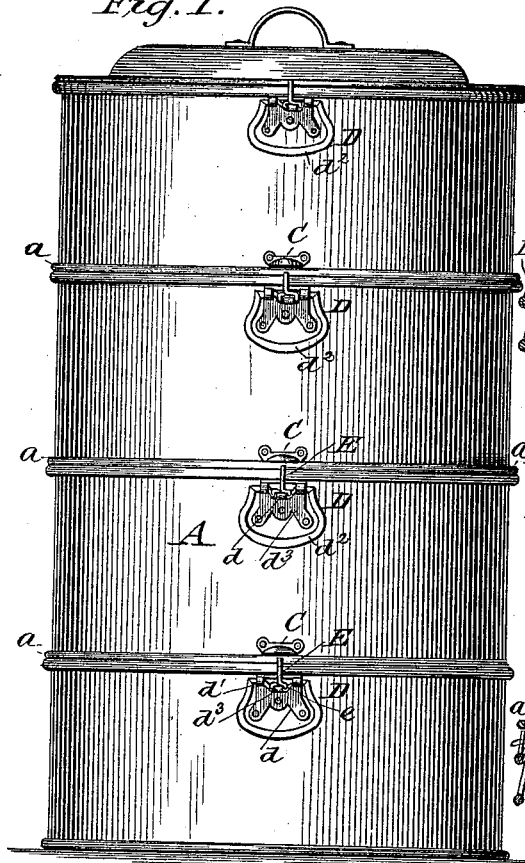


Fig. 2.

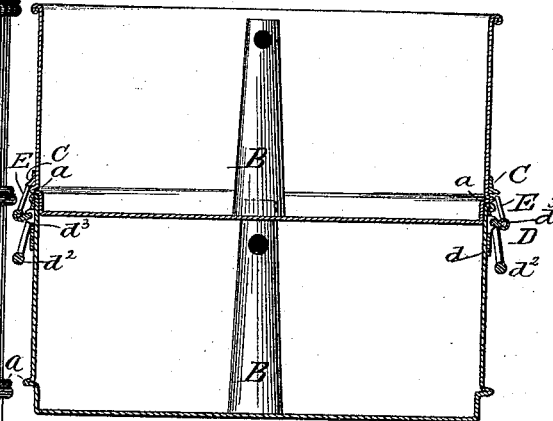


Fig. 3.

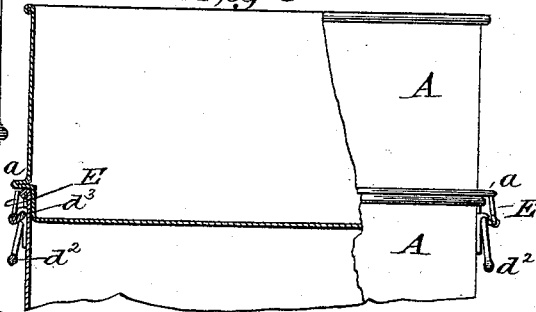


Fig. 4.

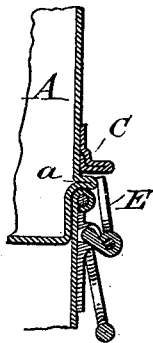


Fig. 5.

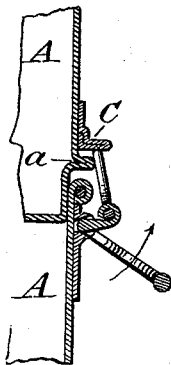
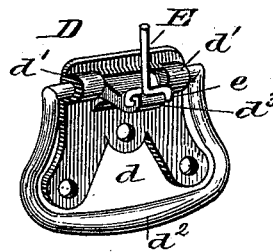


Fig. 6.



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# UNITED STATES PATENT OFFICE.

CHARLES W. WYNN, OF ASHEVILLE, NORTH CAROLINA.

## SECTIONAL COOKING-BOILER.

SPECIFICATION forming part of Letters Patent No. 491,865, dated February 14, 1893.

Application filed September 7, 1892. Serial No. 445,275. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES W. WYNN, residing at Asheville, in the county of Buncombe and State of North Carolina, have invented certain new and useful Improvements in Sectional Cooking-Boilers, of which the following is a specification.

My invention relates to sectional steam cookers and refers more particularly to means for separating the several sections, where it is desired to lift one from the other, and it consist in the peculiar combination and novel arrangement of parts all of which will hereinafter be fully described in the specification and particularly pointed out in the claims, reference being had to the accompanying drawings in which

Figure 1 is a side elevation of a sectional cooking boiler with my improvements applied. Fig. 2 is a vertical section of the same on the line 2—2 Fig. 1. Fig. 3 illustrates my improvements used in connection with a modified construction of boiler. Fig. 4 is a detail section illustrating the relative arrangement of the parts in their normal position. Fig. 5 illustrates the handle being raised to separate the two sections and Fig. 6 is a perspective view of one of the lifting handles.

In the use of sectional cooking boilers, it is usual to provide each boiler section with rigid or pivoted handles, and near their lower ends with annular seat portions which rest upon the upper edge of the lower section, in which the lower part of the upper section is fitted. It is well known that when in such use the steam and greasy vapors, will cause the several sections to bind so tightly that it is frequently necessary to pry them apart by means of a table knife or other suitable instrument. This method of separating the sections is very objectionable, in that, the hands of the cook are in danger of being burned, and the contents of the boilers being spilled. To avoid these objections and to provide simple and effective means whereby the several sections will be forced apart, as the handles are grasped is the object of this invention.

Referring to the drawings A indicates a cooking boiler formed of a number of sections, each section having a telescopic connection at its lower end with the next lower section

and provided with an annular flange *a* which forms seat portions for such sections.

In the construction shown in Figs. 1 and 2, the several sections have stand pipes B opening through the bottom and projected at the top into the lower end of the upper pipe B, and such pipes have openings through which steam from the lower section passes into the upper section.

When a boiler of this character is used the several sections have lugs C near their lower edges preferably at a point just above the flange *a*.

At the upper edge of each section is secured the lifting handle D which in the construction shown most clearly in Fig. 6 consists of a base plate *d* secured to the boiler section, formed with ears *d'* in which are pivotally held the swinging handle or bails *d<sup>2</sup>* the pintle member of which has an outwardly extending angular member *d<sup>3</sup>* the outer end of which is apertured to receive the base member *e* of a lifting rod or finger E, which projects up over the upper edge of the section to which it is secured, and rests against the flange *a* as shown.

By referring to Figs. 4 and 5 the operation of my improvement will be readily understood, it will be seen that, the finger *e* normally rests against the flange *a* and when the handle *d<sup>2</sup>* is raised in the direction indicated by the arrow, such finger will engage the lug C and force the upper section upward as shown.

When a boiler is formed of sections which must be joined in a certain manner, as shown in Fig. 2, I prefer to attach lugs C to the sides of the sections, but it is manifest that if desired, the seat flange *a* may be extended out over the upper edge of the lower section as shown in Fig. 3, in which case the lifting finger *e* will engage such flange, this latter construction being preferable in boilers where the sections have no fixed manner of connection. While I prefer to connect the lifting finger *e* to the angle arm *d<sup>3</sup>* as shown so it is capable for movement on its bearing, it is manifest such arm may be cast or made integral with such member.

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

1. The combination of a plurality of boiler

sections, having telescopic connections at their lower end, said sections provided with swinging handles D at their upper end, said handles D having angle members  $d^3$  at the upper ends, upwardly extending lifting fingers, pivotally connected at their lower ends in the free end of such angle members, all arranged substantially in the manner and for the purpose described.

10 2. As a new article of manufacture, a swing-

ing handle for sectional boilers, formed with an angle member and an upwardly extending lifting finger pivotally connected at its lower end to the free end of the angle member all substantially as shown and described.

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Witnesses:

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