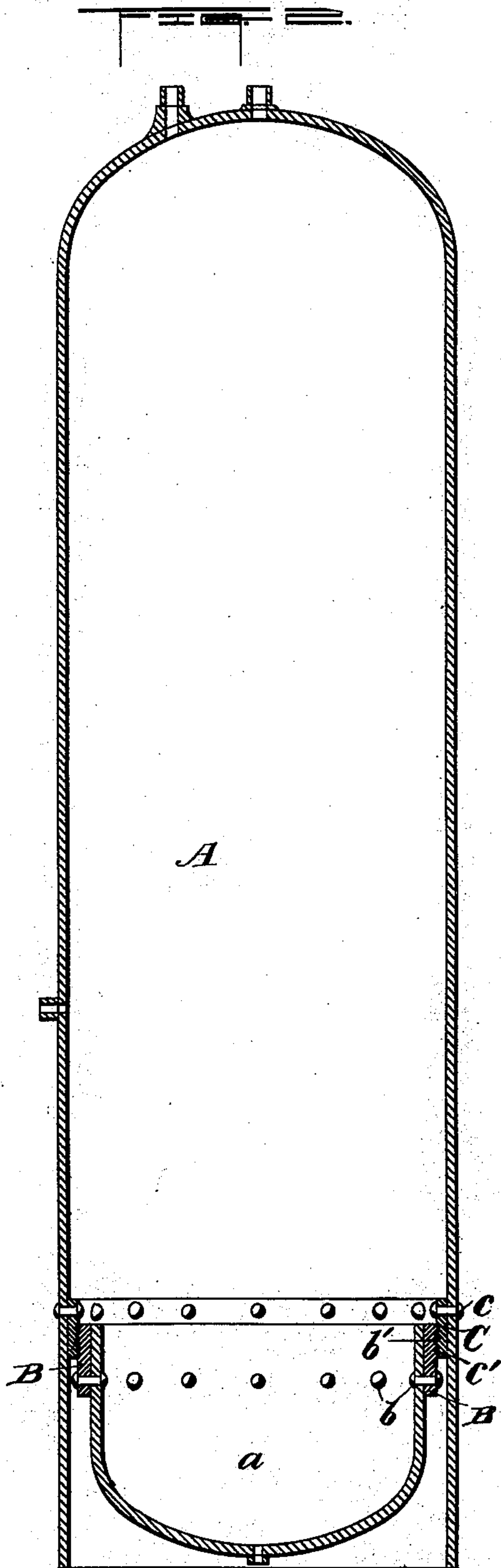
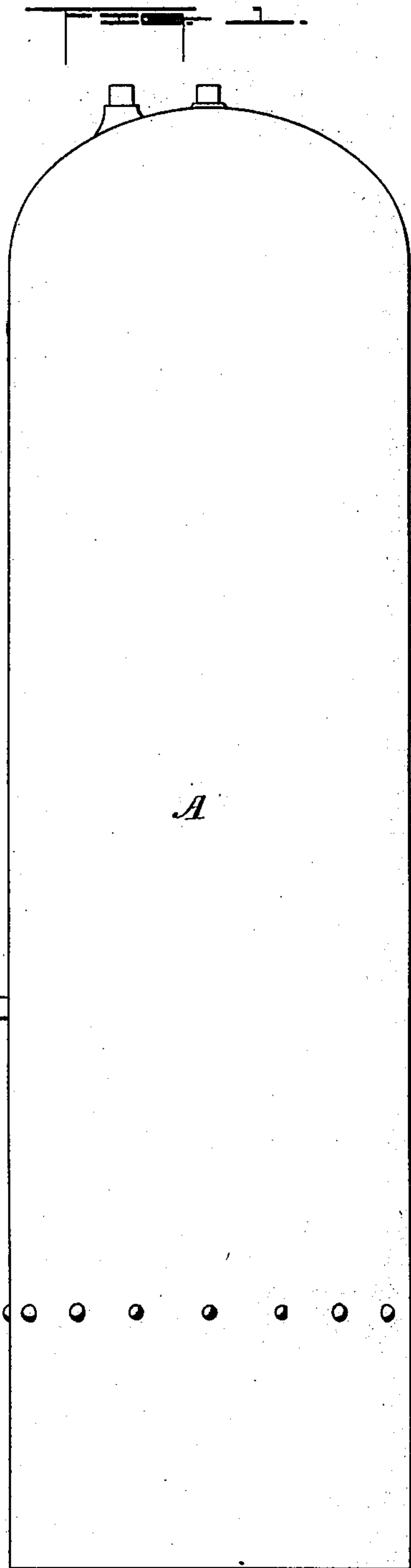


(No Model.)

J. E. DEVER & C. A. COTTER.
BOILER.

No. 506,360.

Patented Oct. 10, 1893.



Witnesses.

Matthew Anderson
George Barry

Inventors.

John E. Dever and
Charles A. Cotter

by Attorneys.

Brown & Tward

UNITED STATES PATENT OFFICE.

JOHN E. DEVER AND CHARLES A. COTTER, OF WATERBURY, CONNECTICUT,
ASSIGNORS TO RANDOLPH & CLOWES, OF SAME PLACE.

BOILER.

SPECIFICATION forming part of Letters Patent No. 506,360, dated October 10, 1893.

Application filed April 22, 1893. Serial No. 471,420. (No model.)

To all whom it may concern:

Be it known that we, JOHN E. DEVER and CHARLES A. COTTER, both of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Boilers, of which the following is a specification.

Our invention relates to an improvement in boilers and more particularly to boilers such as are commonly used in connection with kitchen ranges or heaters.

Our object is to provide a boiler which may be formed of drawn metal with a removable head so located with respect to the boiler that its removable connection may be concealed from view, the exterior surface of the boiler presenting a smooth unbroken surface from top to bottom.

A practical embodiment of our invention is represented in the accompanying drawings in which—

Figure 1 is a view of the boiler in side elevation and Fig. 2 is a longitudinal section of the same.

The body of the boiler is represented by A and may be drawn or spun into shape with its rounded top portion integral with its body portion, its bottom terminating in an open mouth substantially of the same diameter as the body portion for the reception therein of its lower head *a*. The lower head *a* may also be drawn or spun into cup shape, as shown, and is provided around the edge of its open end with an exterior reinforcing rim B riveted to the head by a series of rivets *b* and provided with an exterior screw thread *b'*.

The body portion A of the boiler is provided on its inner side and preferably at a short distance above its lower end to wholly conceal the head *a*, with a reinforcing rim C riveted to the body portion by a series of rivets *c*. The reinforcing rim C is provided on

its inner face with a screw thread *c'* adapted to register with the screw thread *b'* on the reinforcing rim B. The parts may be assembled by screwing the reinforcing rim B into the rim C, thereby securing the head *a* in removable adjustment to the body A. The extension of the body portion A down around the exterior of the head *a* serves to conceal the head and the joint formed by the reinforcing rims B and C from external view, giving the boiler an uninterrupted externally smooth surface from top to bottom. The boiler so constructed may be made at a low cost and access to its interior may be had with great facility while its exterior surface may be kept bright with little outlay of labor because of its plainness.

What we claim is—

1. The combination with the body of the boiler provided with a reinforcing rim on its interior, of a head portion having an exterior reinforcing rim secured thereto, the reinforcing rim on the body portion and the reinforcing rim on the head portion having a removable engagement with each other, substantially as set forth.

2. The combination with a body portion of a boiler having an interior reinforcing rim secured thereto at a distance from its open end, of a head portion having an exterior reinforcing rim secured thereto and adapted to enter within the open end of the body portion, the said reinforcing rims having a removable connection with each other for securing the head to the body, substantially as set forth.

JOHN E. DEVER.
CHARLES A. COTTER.

Witnesses:

GEO. W. BOWERS,
B. F. BRUSSTAR.