

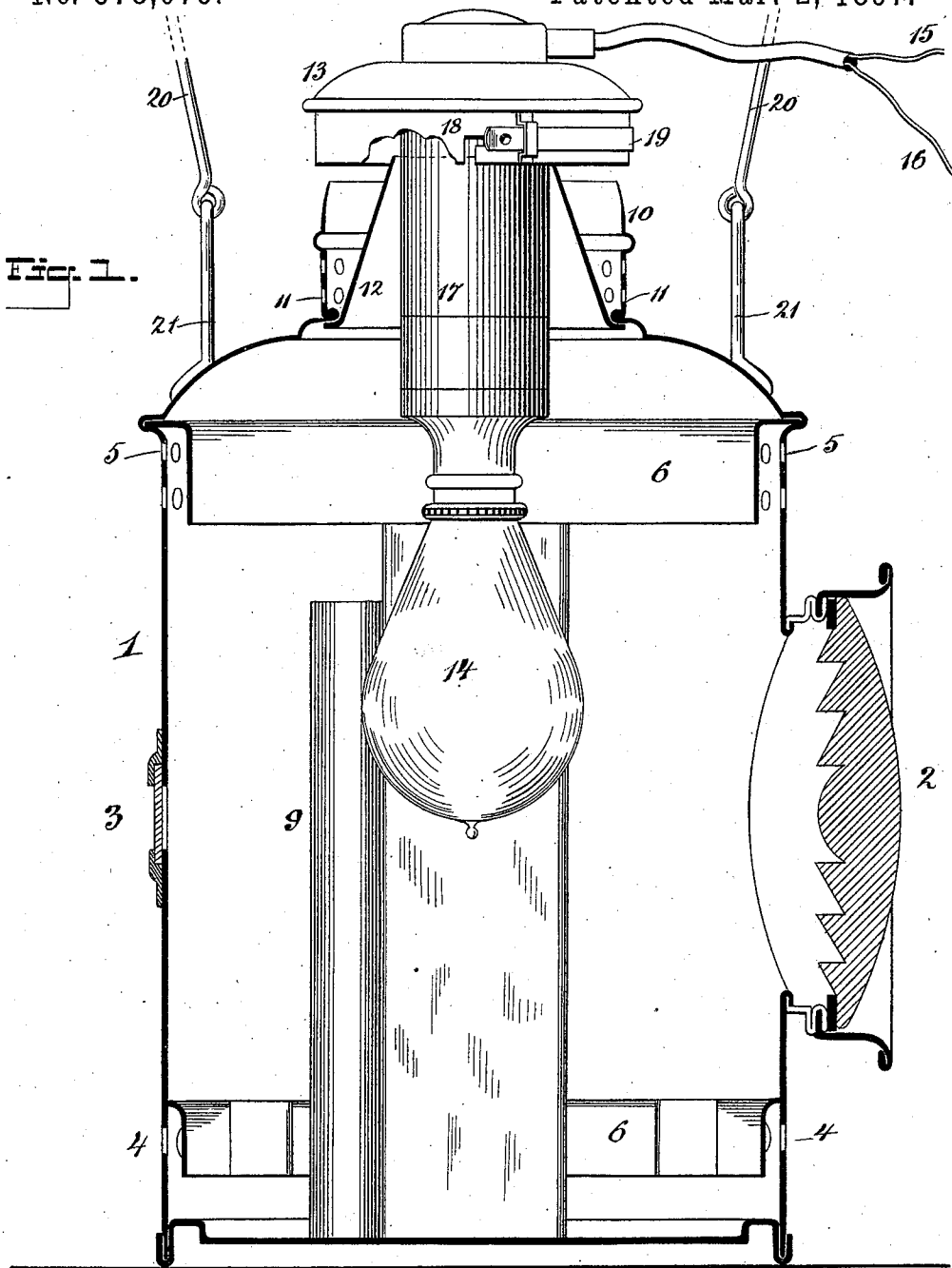
(No Model.)

2 Sheets—Sheet 1.

C. H. DRESSEL.
CONVERTIBLE SIGNAL LAMP.

No. 578,079.

Patented Mar. 2, 1897.



WITNESSES:

S. B. Mook
F. H. Pierce

INVENTOR

Charles H. Dressel

BY

A. M. Pierce

ATTORNEY.

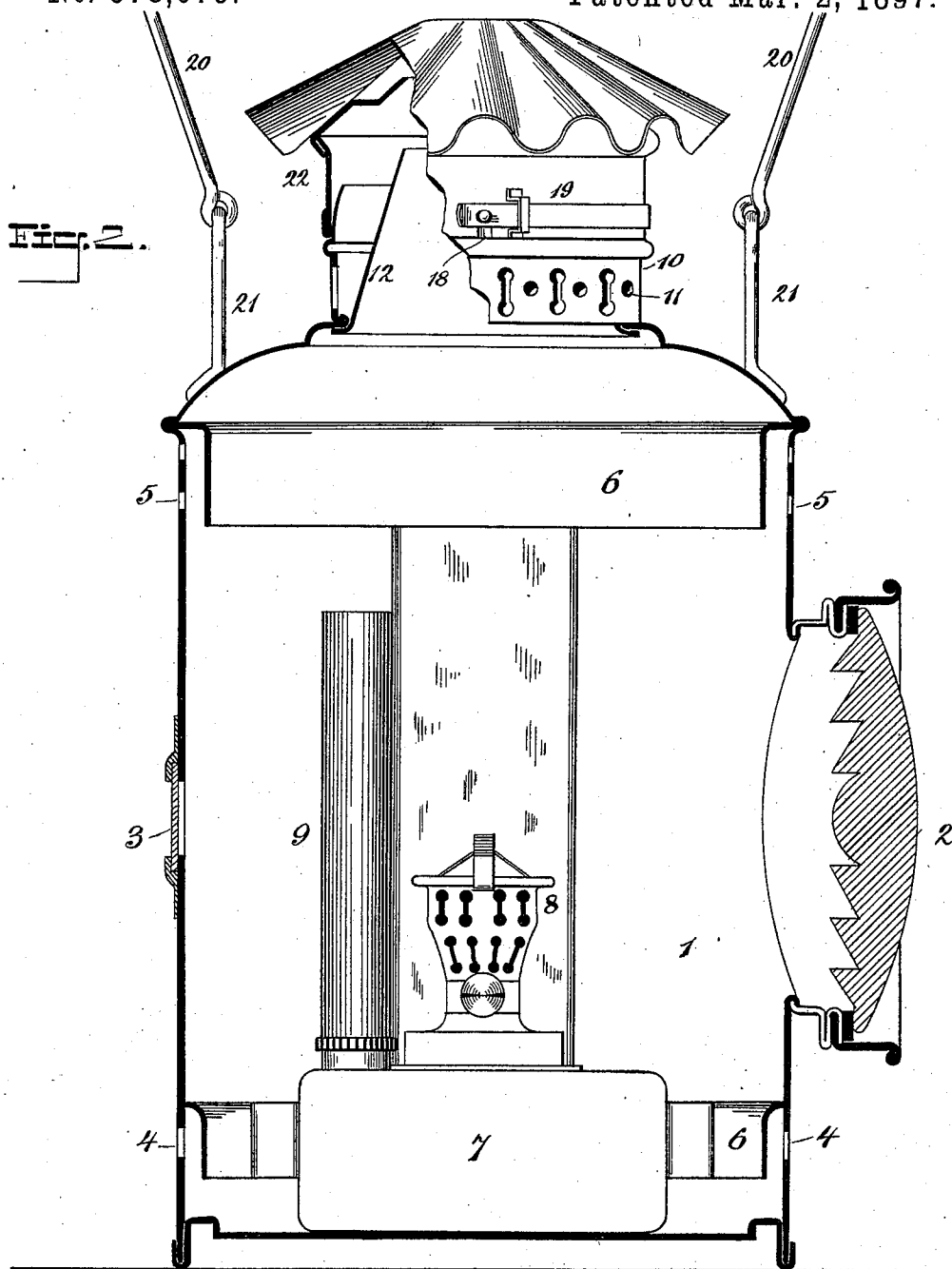
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UNITED STATES PATENT OFFICE.

CHARLES H. DRESSEL, OF NEW YORK, N. Y.

CONVERTIBLE SIGNAL-LAMP.

SPECIFICATION forming part of Letters Patent No. 578,079, dated March 2, 1897.

Application filed June 20, 1895. Serial No. 553,423. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. DRESSEL, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Convertible Signal-Lamps, of which the following is a specification.

My invention has for its object to improve lamps, especially such as are used in connection with semaphores; and it consists of certain improvements in the construction of the lamp-body, to be hereinafter set forth.

In the accompanying drawings, forming a part hereof, Figure 1 is a vertical sectional view of a lamp-body and a removable-top incandescent-lamp support, said support being shown as slightly raised from its seat. Fig. 2 is a like view of a lamp-body, showing a ventilating-top and an oil-pot in place.

Similar numerals of reference, wherever they occur, indicate corresponding parts in both figures.

1 is the lamp-body, provided with one or more lenses 2, mounted in any desirable manner.

3 is a glazed peep-hole.

4 are ventilation-holes at the bottom of the lamp-body, and 5 similar holes at the top of the body, protected by depending rings 6.

7 is a removable oil-pot provided with a burner 8.

9 is a tube fixed in the lamp-body, open at top and bottom, and having its upper extremity above the lamp-burner, so that when oil is used for illuminating any current of air passing through the tube 9 will not affect the flame. This tube 9 is designed to form a passage for the introduction of electrical conducting-wires when it is desired to pass them from beneath the lamp-body.

10 is a ventilating-ring at the top of the lamp-body, and provided in its lower part with the perforations 11 for the passage of air. Above these perforations the ring is formed to constitute a supporting-bearing for a removable closing cap-piece of the lamp, which may be held by the said ring without closing the openings 11.

12 is a ring arranged within the ring 11 to deflect the products of combustion.

13 is a cap-piece, to which is secured an incandescent-lamp socket or support 17, made of any approved material and in any desired manner.

14 is a lamp-bulb, and 15 16 are the electrical conductors passing to the lamp.

The cap-piece 13 is provided with a bayonet-catch 18 and holding-spring 19, so arranged as to firmly lock the cap to the lamp-top, supporting the lamp-bulb 14 securely in the desired position when the cap 13 is seated upon the ring 10.

20 is the usual carrying-bail connected to ears 21 upon the lamp-body. When my signal-lamp is arranged for use with electricity, the oil-pot 7 may be removed or left in place, but in case the supply of electricity fails the oil illumination may be put in operation in a moment's time by simply removing the cap-piece 13 and its connected parts, substituting a removable cap 22, having the usual ventilation, said cap-piece 22 being supplied with the holding devices hereinabove described, and lighting the wick of the oil-burner 8.

It will thus be seen that a very simple signal-lamp is provided, which may be easily and quickly converted from oil illumination to electric illumination, or vice versa, at pleasure.

Having now fully described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

The combination of the lamp-body having at its top a ring 10 surrounding an opening into the lamp-body and formed with perforations in its lower part, such ring being constructed to serve as a supporting-bearing, above such perforations, and a removable and replaceable closing-cap carrying an electric lamp adapted to fit and be supported upon the bearing portion of the ring, substantially as set forth.

Signed at New York, in the county of New York and State of New York, this 11th day of May, A. D. 1895.

CHARLES H. DRESSEL.

Witnesses:

A. M. PIERCE,
F. H. PIERCE.