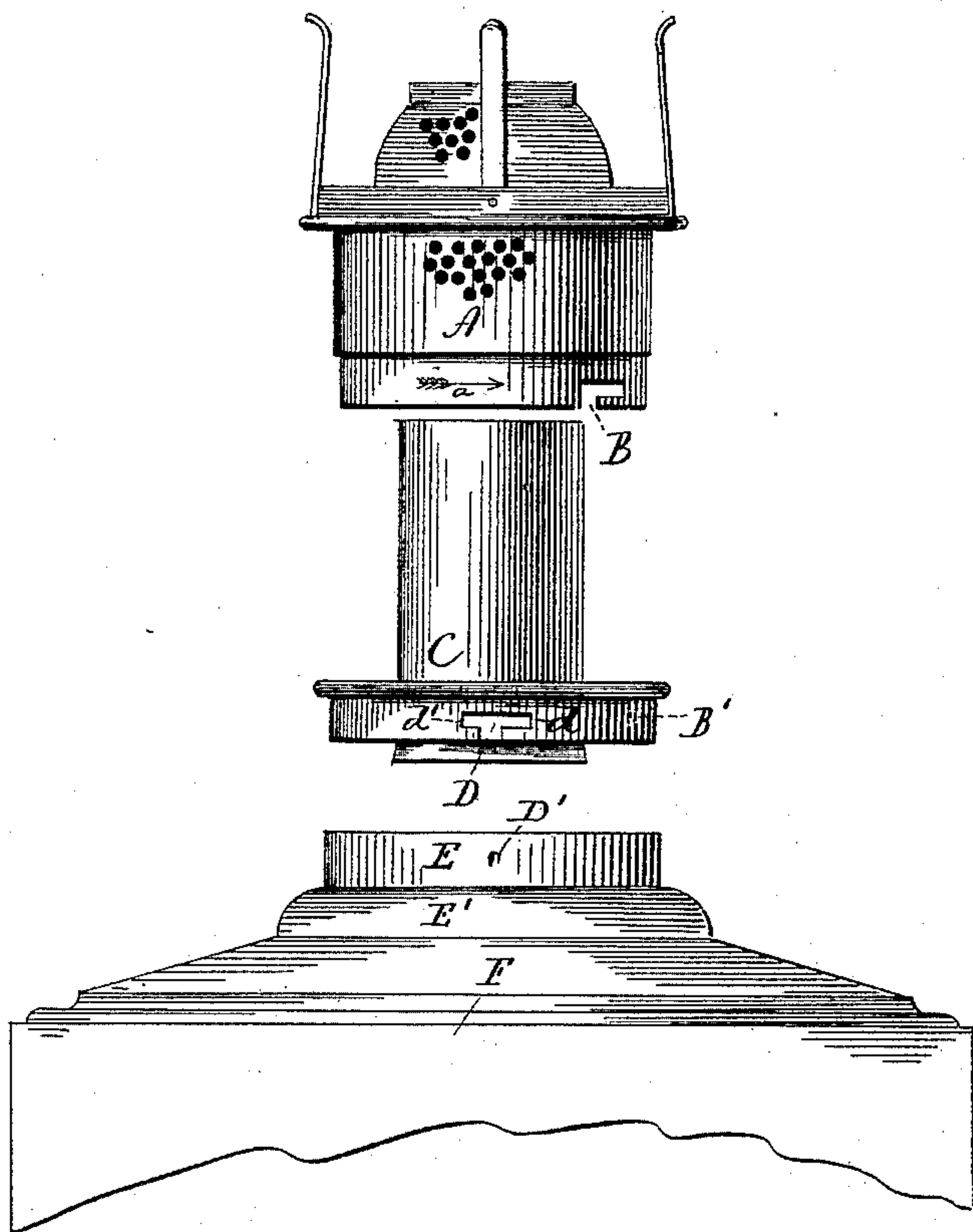


(No Model.)

F. T. WILLIAMS.
LAMP BURNER.

No. 477,034.

Patented June 14, 1892.



Witnesses
J. W. Shumway
Lillian D. Kelsey

F. Theodore Williams.
Inventor.
By Atty.
E. E. Seymour

UNITED STATES PATENT OFFICE.

FRANK THEODORE WILLIAMS, OF MERIDEN, CONNECTICUT, ASSIGNOR TO
THE EDWARD MILLER & COMPANY, OF SAME PLACE.

LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 477,034, dated June 14, 1892.

Application filed August 19, 1891. Serial No. 403,127. (No model.)

To all whom it may concern:

Be it known that I, FRANK THEODORE WILLIAMS, of Meriden, in the county of New Haven and State of Connecticut, have invented
5 a new Improvement in Lamp-Burners; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the
10 same, and which said drawings constitute part of this specification, and represent a view in side elevation of a lamp-fount, a burner-socket, and a burner-slip constructed in accordance with my invention and arranged one
15 above the other in the order of their assemblance.

My invention relates to an improvement in central-draft lamp-burners, the object being to produce a simple and cheap burner in
20 which the burner-slip may be disconnected from the burner-socket for cleaning the burner without disconnecting the said socket from the lamp-fount.

With these ends in view my invention consists in the combination, with a burner-socket
25 having one or more double-ended bayonet-slots formed in its flange, of a burner-slip having one or more simple bayonet-slots formed in its flange, and whereby the turning of the
30 burner-slip to disconnect it from the burner-socket will turn the same and change one end of its double-ended slot for the other end thereof with respect to the retaining nub or
35 point entering the said slot from the lamp-fount, with which the burner-socket is thus kept coupled.

The burner-slip A is of ordinary construction and has the ordinary bayonet-slot B formed in its flange, which co-operates with
40 an inwardly-projecting nub or retaining-point B', formed by striking in a portion of the flange of the burner-socket C, which is also of the usual construction, with the exception that its bayonet-slot D, formed in its flange,
45 is double-ended, or, in other words, extended laterally in both directions to form two ends d and d' . The said double-ended slot D co-operates with a nub or retaining-point D', formed by striking inward a portion of the
50 flange E of the collar E', permanently at-

tached to the lamp-fount F. When under the above-described construction the burner-slip is turned in the direction of the arrow a to disconnect it from the burner-socket for
cleaning the burner, the friction between it 55 and the said socket will cause the same to be turned, also, in the same direction, whereby the end d of its double-ended bayonet-slot is changed for the end d' thereof with respect to the retaining-point D' and the coupling 60 between the burner-socket and the lamp-fount maintained, so that the said socket will not be removed from the lamp-fount when the burner-slip is lifted to disconnect it from the burner-socket. When the burner-slip is 65 replaced upon the burner-socket and turned in being connected therewith, the burner-socket also turns again, whereby the end d' of its double-ended bayonet-slot is changed for the end d thereof with respect to the re- 70 taining-point D', with which the said end d is normally engaged. It will thus be seen that my improved construction provides extremely simple and inexpensive means for constructing a burner with a removable slip, which may 75 be taken off and replaced at pleasure without disconnecting the burner-socket from the lamp-fount. Although, as shown in the drawings, the burner-socket and burner-slip are each provided with only one slot, they will be 80 ordinarily provided with two each, the slots of the slip "quartering," so to speak, with those of the socket.

I am aware that it is not new to couple a burner-slip and a burner-socket together by 85 means of a simple bayonet-lock involving the very objection which it is the purpose of my present invention to avoid—that is, the accidental removal of the burner-socket with the burner-slip when it is intended only to re- 90 move the latter. Thus it is that, while heretofore burner-sockets have had simple or one-ended bayonet-slots, I provide them with double-ended bayonet-slots, which are the characteristic and novel feature of my pres- 95 ent invention.

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

In a lamp-burner, the combination, with a 100

burner-socket having one or more double-ended bayonet-slots formed in its flange, of a burner-slip having one or more simple bayonet-slots formed in its flange, substantially as
5 set forth, and whereby the turning of the burner-slip to disconnect it from the burner-socket will turn the same and change one end of its double-ended slot for the other end thereof with respect to the retaining nub or
10 point entering the said slot from the lamp-

fount, with which the burner-socket is thus coupled.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

F. THEODORE WILLIAMS.

Witnesses:

EDDY C. BARNES,
I. B. MILLER.