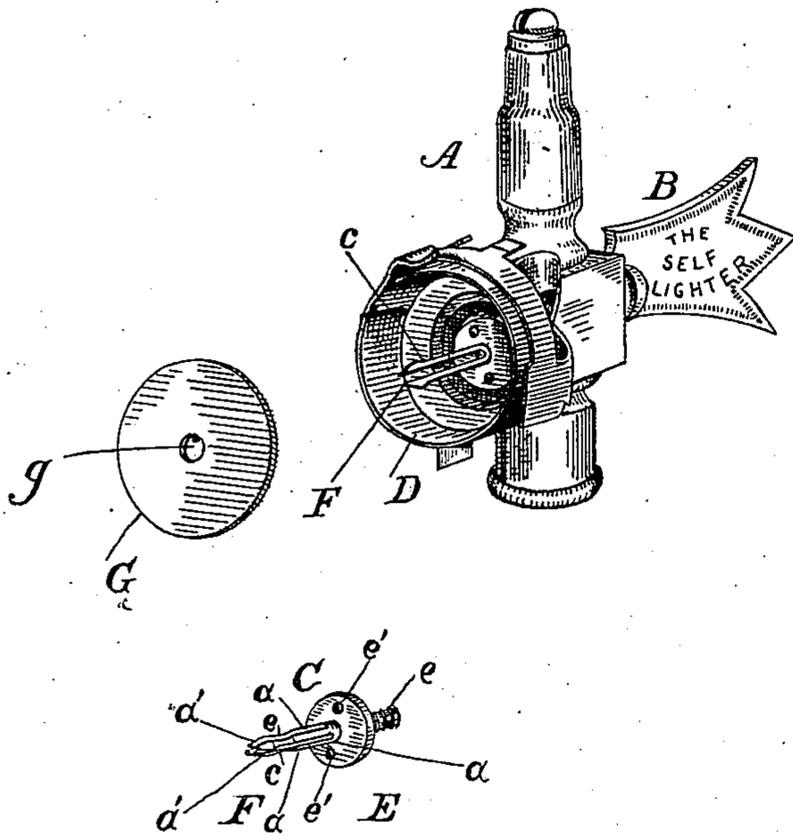


(No Model.)

H. H. TALLMADGE.
SELF LIGHTING GAS BURNER.

No. 306,786.

Patented Oct. 21, 1884.



WITNESSES

Jas. L. Talbey,
C. H. Sheen.

INVENTOR

H. H. Tallmadge,
H. J. Ennis Attorney

UNITED STATES PATENT OFFICE.

HENRY H. TALLMADGE, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO JOHN L. MILLER, OF WASHINGTON, DISTRICT OF COLUMBIA.

SELF-LIGHTING GAS-BURNER.

SPECIFICATION forming part of Letters Patent No. 306,786, dated October 21, 1884.

Application filed May 13, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY H. TALLMADGE, a citizen of the United States, residing at New York, in the county of New York and State

5 of New York, have invented certain new and useful Improvements in Self-Lighting Gas-Burners, of which the following is a specification, reference being had therein to the accompanying drawing.
10 My invention has relation to self-lighting gas-burners; and the object is to provide a simple and effective means for securing the cover of the magazine used in this class of burners in place, whereby it may be removed
15 and replaced with facility, and at the same time remain in position during the operation of the burner without any liability to accidental displacement; and to these ends the novelty consists in the construction of a key-screw and
20 spring-stud, in combination with the magazine cap or cover, as will be hereinafter more fully described, and particularly pointed out in the claims.

The figure in the drawing is a perspective
25 view of the improved burner, with the cap removed to one side, and below it is a view of the key-screw and spring-stud detached from the burner.

A is the burner proper; B, the key or cock,
30 and C is the key-screw, which holds the taper-key in place.

D is the magazine, in which the fulminating-tape is coiled and exploded in the usual manner.

35 The key-screw C is provided with a collar, E, which forms the head of the screw-shank

e, and *e'* are holes in which a suitably-pronged wrench is inserted to remove and replace said screw.

F is the spring-stud, and it consists of four
40 arms, *a*, beveled at their forward ends, *a'*, and provided with slight shoulders *c*, so that when the cap G is placed upon the magazine the hole *g* will fit over the conical end *a'* of the
45 spring-stud, and beyond the shoulders *c*. The arms then spring out, and the shoulders hold the cap in place.

The operation is so simple that a child may remove the cap to replenish the magazine, and as readily replace it, the releasing and
50 fastening being accomplished by the inward and outward spring of the arms of the stud.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, 55 is—

1. The combination, with the burner and key, of the key-screw having collar E, provided with holes *e'*, the cap G, having hole *g*, and the spring-stud F, as and for the purpose
60 set forth.

2. The combination, with the magazine provided with cover or cap G, having hole *g*, of the stud F, having spring-arms *a*, provided with shoulders *c*, as and for the purposes set
65 forth.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY H. TALLMADGE.

Witnesses:

J. L. MILLER,
H. J. ENNIS.