

(No Model.)

E. T. THOMAS.
GAS BURNER TIP.

No. 366,527.

Patented July 12, 1887.

Fig. 1.

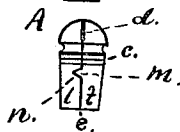


Fig. 2.

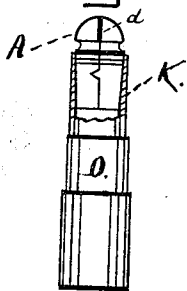


Fig. 3.

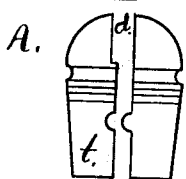
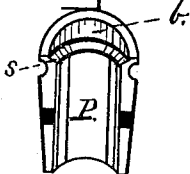


Fig. 4.



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EDDY T. THOMAS, OF NEW YORK, N. Y., ASSIGNOR, BY DIRECT AND
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GAS-BURNER TIP.

SPECIFICATION forming part of Letters Patent No. 366,527, dated July 12, 1887.

Application filed August 13, 1886. Serial No. 210,776. (No model.)

To all whom it may concern:

Be it known that I, EDDY T. THOMAS, a citizen of the United States, and a resident of the city, county, and State of New York, have
5 invented a new and useful Improvement in Gas-Burner Tips, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 The object of this invention is to provide a gas-burner tip of such construction that the parts thereof may be struck up from sheet metal by dies or molds, the tip being in two hollow sections, which may be very cheaply
15 manufactured and which can be separated when it is desired to clean the burner.

Figure 1 shows one of my improved gas-tips. Fig. 2 shows the tip as held in the pipe or barrel *o*. Fig. 3 is an enlarged tip, showing the formation of the slot *d*; and Fig. 4 is
20 an inside view of section *t*, showing the formation of the enlarged hole or concave at the top of the burner.

A, Fig. 1, shows my improved tip, consisting of two hollow sections, *l* and *f*, between
25 which, at the upper end of the tip, is the slot *d*, formed by offsetting or recessing the metal at the upper ends of the said sections at the time the blank is made in the mold, press, or
30 cut afterward. The slot *d* is for the gas to escape from when in use. I form lugs *m* and corresponding recesses, *n*, on the contiguous edges or faces of the sections, these lugs and recesses serving to prevent one section from
35 being forced below the other when the tip is put in the barrel or pipe. I also form in my dies ridges to indicate the size of the burner. (Shown by lines *c*.)

40 A, Fig. 2, represents the tip when in the barrel or pipe *o*. The round walls of the tip and barrel being tapered, the sections of the tip are forced together as the tip is pressed down, so that no gas can escape from the sec-

tional line *e* except at *d*, which is for the purpose of allowing the gas to pass out.

A, Fig. 3, is an enlarged tip, and shows the offset or depression, to form the slot *d*, to be on one section *t*, instead of being equally divided on both, as in Fig. 1.

Fig. 4 shows the enlarged hole or chamber
50 of the tip at *b*, formed by setting the top of the metal off, as at *s*. This allows more space in the hole at *P*, causing the flame to spread in an even and round shape, and checks the gas from spreading at the lower part of the
55 burner. This is an important feature in all tips provided with the slot.

I intend to manufacture, by the aid of dies and forms, my tip from sheet metal; but, aside from metals, I may mold these sections from clay,
60 glass, or earthy substance, which will make a practicable tip, as it can be readily seen that the tip can be produced by this method at a very low cost.

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

1. A gas-burner tip consisting of two longitudinal hollow sections having lugs and recesses at their contiguous edges or faces for
70 preventing one section from slipping on the other, substantially as set forth.

2. A gas-burner tip consisting of two longitudinal hollow sections, the faces of which are contiguous or abutted, one section having a recess and the other a lug at their contiguous
75 edges, and one or both of the sections being offset from the dividing-line between the said abutted faces at the top to form a slot, *d*, for the escape of the gas, substantially as set forth.
80

In testimony whereof I have signed my name in the presence of two subscribing witnesses.

EDDY T. THOMAS.

Witnesses:

ALBERT HENSEL,
ALLEN P. CREGUE.