

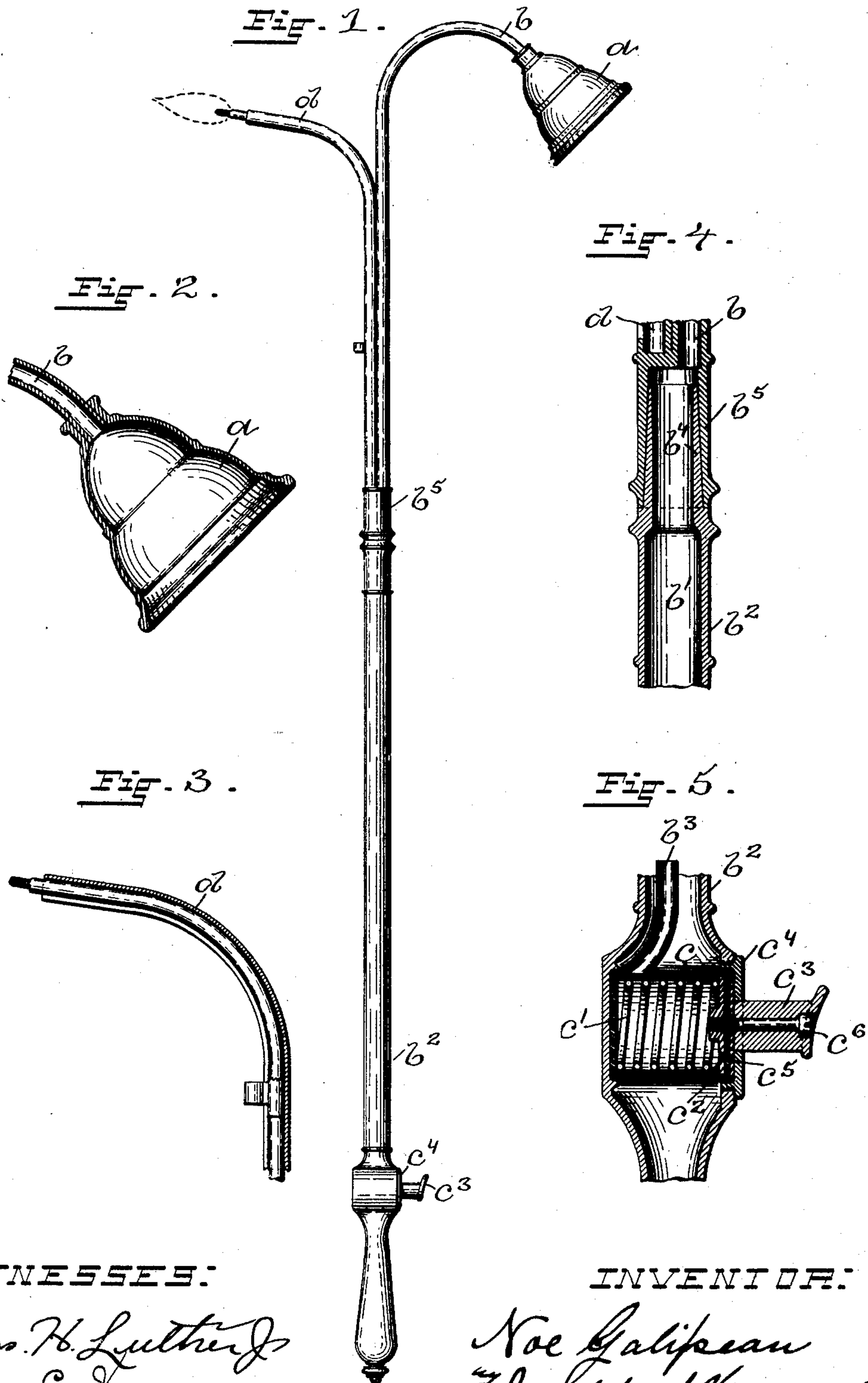
No. 717,186.

Patented Dec. 30, 1902.

N. GALIPEAU.
EXTINGUISHER.

(Application filed Mar. 24, 1902.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

NOE GALIPEAU, OF WORCESTER, MASSACHUSETTS.

EXTINGUISHER.

SPECIFICATION forming part of Letters Patent No. 717,186, dated December 30, 1902.

Application filed March 24, 1902. Serial No. 99,728. (No model.)

To all whom it may concern:

Be it known that I, NOE GALIPEAU, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Extinguishers, of which the following is a specification.

This invention has reference to an improvement in devices used to extinguish the flame of a candle or other light; and it consists in the peculiar and novel construction whereby a blast of air is forced into the extinguisher, as will be more fully set forth hereinafter.

Figure 1 is a side view of my improved extinguisher, showing a lighter-taper connected with the same. Fig. 2 is a sectional view of the extinguisher-bell, showing the tubular stem through which the air is supplied. Fig. 3 is a sectional view of the taper-tube. Fig. 4 is a sectional view of the joint connecting the supporting-rod with the lighter and extinguisher. Fig. 5 is a sectional view of the part of the supporting-rod containing the air-bulb.

In the drawings, *a* indicates an extinguisher-bell, which may be of any of the forms used to extinguish the light of candles. This extinguisher is secured to the end of the tube *b*, which tube connects with the bore *b'* of the tubular rod *b*². Within the tubular rod *b*² at a convenient point is placed the air-bulb *c*, the outlet-tube *b*³ of which connects the interior of the bulb with the bore *b'* of the tubular rod *b*². In the preferred form the air-bulb *c* is provided with the coiled spring *c'*, placed into the interior of the bulb, and has the plate *c*², also in the interior of the bulb, against which the coiled spring *c'* bears to maintain the expanded form of the air-bulb. The push-button *c*³ extends through the cover *c*⁴, which is connected with the side of the tubular rod *b*², so as to make a tight joint. On the push-button *c*³ is the plate *c*⁵. The screw *c*⁶ extends through the push-button and the plate *c*⁵ and is in screw-thread engagement with the plate *c*², so that the material of the bulb surrounding the opening through which the plate *c*² and the coiled spring *c'* are inserted into the bulb may be clamped between the plates *c*² and *c*⁵ by the screw *c*⁶.

The tubular rod *b*², which may be formed of wood or metal, may be of any desired length, and in the preferred form is provided at its upper end with the tapering joint *b*⁴, formed to make when inserted into the socket *b*⁵ an air-tight joint.

In the preferred form the socket *b*⁵ is provided with the tube *b*, connected with the extinguisher and also with the taper-tube *d* of the usual construction.

The operation of my improved extinguisher is as follows: When a candle or other similar light is to be extinguished, the extinguisher-bell *a* is placed over the light and the air-bulb is compressed to force a puff of air through the tube *b* into the extinguisher, and thereby extinguish the light. In practice I find that the puff of air sent into the extinguisher materially facilitates the extinguishing of the flame and leaves the wick in better condition for relighting the candle.

I do not wish to confine myself to the exact construction of the device, as the same may be changed in various details without materially changing the operation of the same.

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

In a light-extinguisher, the combination with a hollow tube provided with the socket *b*⁵, the taper-tube *d*, an extinguisher-bell *a*, and a tube *b* connecting the hollow tube with the extinguisher-bell, of the hollow rod *b*² provided with the tapering joint *b*⁴, the air-bulb *c* provided with the outlet-tube *b*³ and located near the lower end of the hollow rod *b*², the plate *c*² and spring *c'* within the air-bulb *c*, the plate *c*⁵, the push-button *c*³, the cover *c*⁴, and the screw *c*⁶ for securing the push-button *c*³, the plate *c*⁵ and the plate *c*² together, as and for the purpose described.

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

NOE GALIPEAU.

Witnesses:

J. A. MILLER, Jr.,
ADA E. HAGERTY.