J. PASTERNAK.

GAS LIGHTER.

APPLICATION FILED MAY 20, 1908.

907,702. Patented Dec. 22, 1908.

Fig. 1.

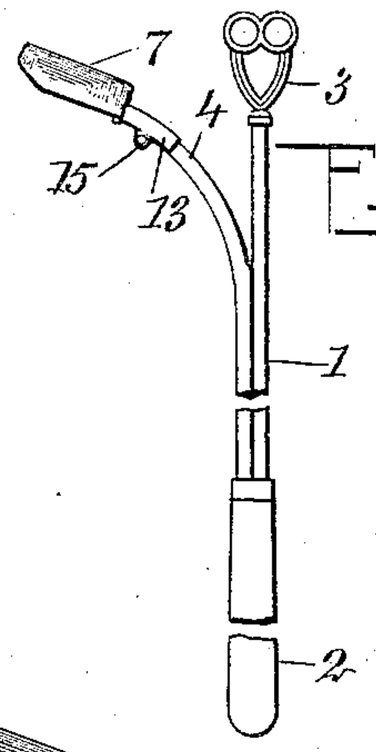


Fig. 2.

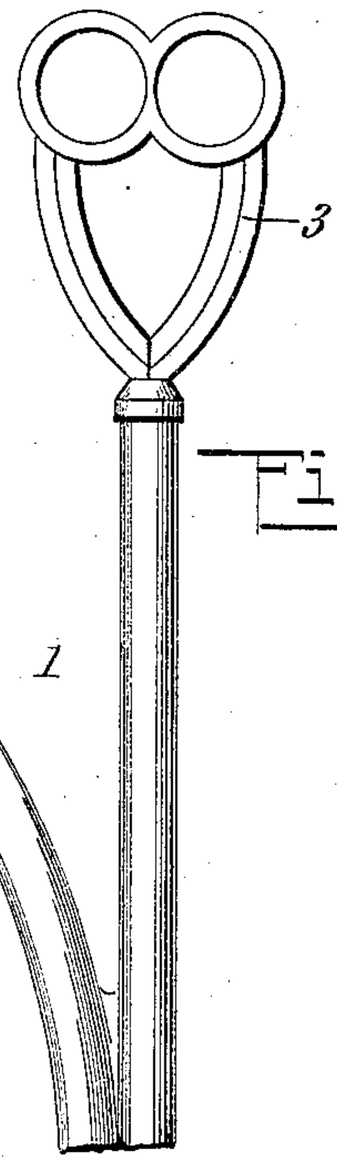


Fig. 3.

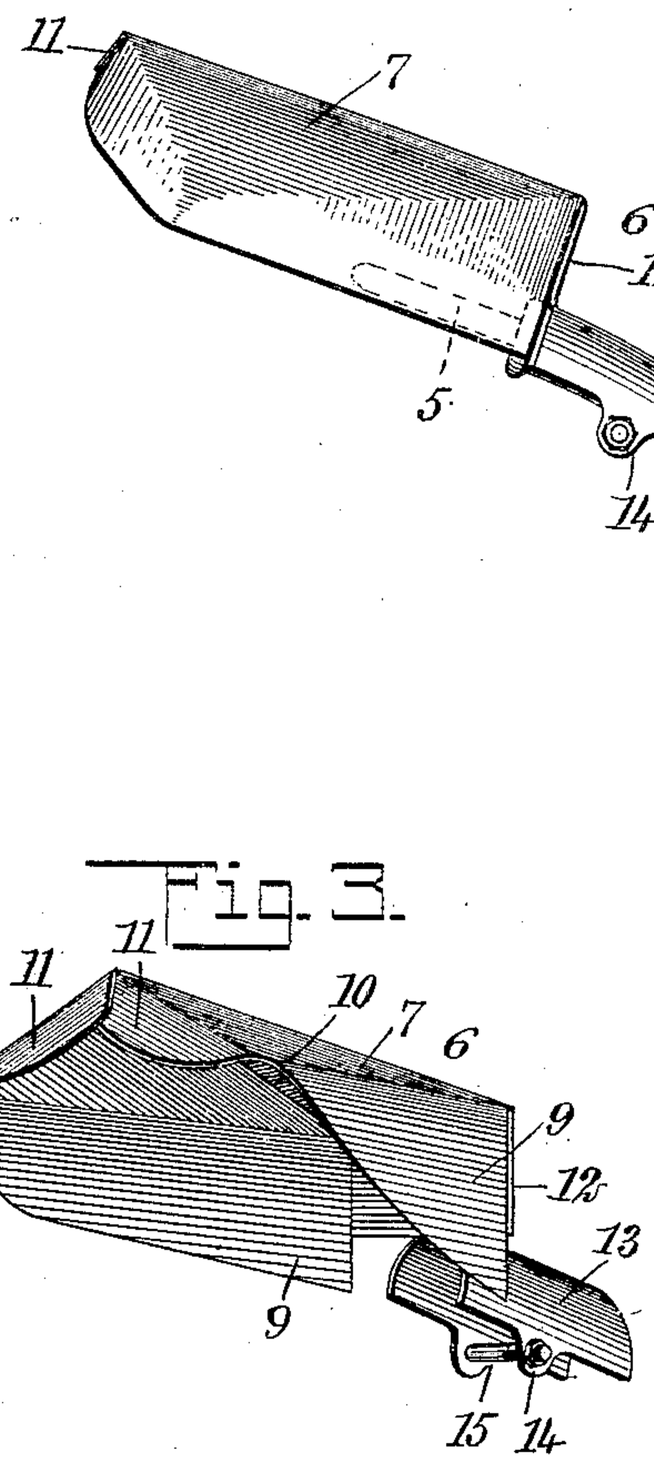
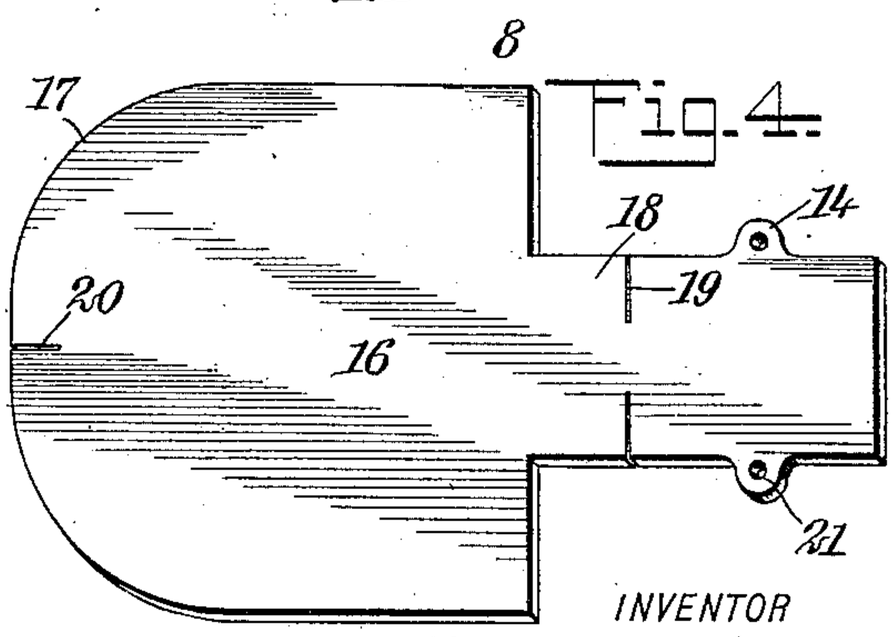


Fig. 4.



WITNESSES

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GAS-LIGHTER.

No. 907,702. Specification of Letters Patent. Patented Dec. 22, 1908.

Application filed May 20, 1908. Serial No. 433,809.

To all whom it may concern:

Be it known that I, JOHN PASTERNAK, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Gas-Lighter, of which the following is a full, clear, and exact description.

This invention relates to gas lighters such as used for lighting the burners of chandeliers or gas fixtures.

The object of the invention is to produce a device which can be readily attached to an ordinary gas lighter, and which will operate as a shield or cover for the flame so as to protect the chandelier or fixture from the flame in the act of lighting the gas.

The device is especially useful in lighting chandeliers which have been decorated with bunting or similar inflammable materials.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a gas lighter to which my invention has been applied, a portion of the body of the gas lighter being broken away; Fig. 2 is a side elevation of the upper portion of the gas lighter shown in Fig. 1, upon an enlarged scale; Fig. 3 is a perspective of my device detached from the gas lighter; and Fig. 4 is a perspective view of the plate out of which the device may be formed, it being understood that the device is especially adapted to be stamped from sheet metal.

Referring more particularly to the parts, 1 represents a gas lighter which may be of the common form shown, having a handle 2 at the lower end thereof, and having a socket 3 at the upper end for turning the gas cock. The upper end is forked in the usual manner, one of the forks 4 being tubular and constituting a sheath and guide for the taper 5 which is thrust into the sheath at the end. At the end of the sheath or guide 4 having the taper, my device 6 is attached. The body 7 of this device has substantially the form of a box open at its lower side. It is formed preferably from a plate 8 of sheet metal, the sides whereof are bent downwardly to form downwardly projecting flanges 9, and these flanges are slightly bulged outwardly, as indicated at 10. The forward end of the plate 8 is bent downwardly so as to form an end flange 11. The rear end of the plate is bent downwardly so as to form a back wall 12, and to the rear of this back wall 12, the material is bent into a clamping sleeve 13 of half round form, as shown in Fig. 3. This clamping sleeve is formed with ears 14 opposite to each other, which are connected with a clamping bolt 15.

The device is adapted to be applied to the gas lighter as shown in Fig. 2, with the clamping sleeve 13 encircling the end of the fork 4; by tightening up the bolt 15 the sleeve may be clamped securely in position. When the taper 5 is lighted, its flame is substantially covered by the body of the device which constitutes a hook projecting over the flame and down at the sides thereof. Evidently the device may be quickly applied to the gas lighter and removed therefrom when desired.

In Fig. 4, the form of the plate is illustrated out of which the device is conveniently formed of one piece simply by bending the different parts of the plate into their proper positions. This plate has a substantially square body 16, having rounded corners 17 at one side. On the central horizontal axis the plate is formed with an extension or tongue 18, which projects toward the right, as illustrated, and this tongue is provided at a suitable point with slits 19 extending inwardly from the side edges thereof. The part of the tongue which lies between the slits 19 and the adjacent edge of the body 16 of the plate, forms the back wall 12 of the hood, when it is formed, and the outer part of the tongue forms the clamping sleeve 13, as will be readily understood. The side flanges 9 of the hood are formed by bending the upper and lower edges of the body 16 in lines substantially coincident with the side edges of the tongue 18, and the left edge of the body 16 is formed with a slit 20 which facilitates the bending of the parts into the proper position in forming the end flange 11. The tongue 18 is formed with the ears 14 in which are punched openings 21, and these openings aline with each other to receive the bolts 15 when the sleeve 13 is formed, as will be readily understood.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent,—

1. A guard for a gas lighter formed of sheet metal having a tubular sleeve at one end thereof and having a back wall projecting laterally from said sleeve, and a hood projecting forwardly from said back wall and presenting downwardly bent side edges forming flanges adapted to protect the flame.

2. A guard adapted to be attached to a lamp lighter, having a tubular sleeve split on the under side thereof and adapted to be clamped on the sheath of the gas lighter, a back wall formed integrally with said sleeve and extending laterally therefrom, and a hood formed integrally with said back wall and projecting longitudinally with respect to said sleeve, said hood having downwardly extending side flanges.

3. A blank for forming a flame protector, consisting of a plate having a tongue projecting therefrom, said tongue having transverse slits oppositely disposed in the side edges thereof, said tongue having oppositely disposed ears beyond said slits adapted to aline when said tongue is bent to form a sleeve.

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

JOHN PASTERNAK.

Witnesses:
F. D. AMMEN,
JOHN P. DAVIS.