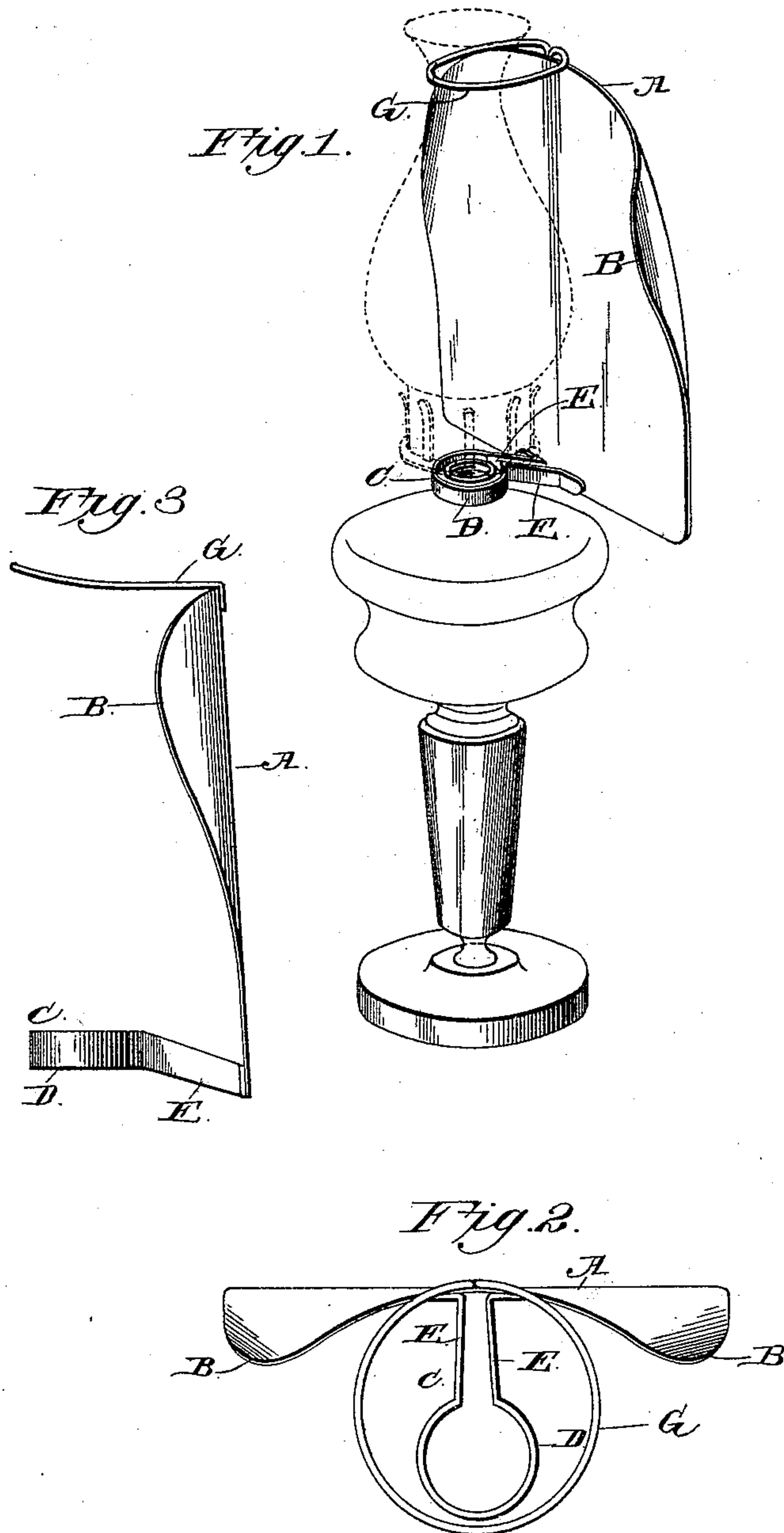


(No Model.)

G. W. PELTON.  
LAMP REFLECTOR.

No. 405,173.

Patented June 11, 1889.



Witnesses  
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# UNITED STATES PATENT OFFICE.

GEORGE W. PELTON, OF MUSCATINE, IOWA.

## LAMP-REFLECTOR.

SPECIFICATION forming part of Letters Patent No. 405,173, dated June 11, 1889.

Application filed December 10, 1887. Serial No. 257,545. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. PELTON, a citizen of the United States, residing at Muscatine, in the county of Muscatine and State of Iowa, have invented a new and useful Improvement in Lamp-Reflectors, of which the following is a specification.

My invention relates to an improvement in detachable and adjustable lamp-reflectors; and it consists in the peculiar arrangement and combination of devices, that will be more fully set forth hereinafter, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of a reflector embodying my improvements, showing the same attached to the collar of a lamp. Fig. 2 is a top plan view of my improved lamp-reflector. Fig. 3 is a side elevation of the reflector.

A represents the reflector, which is made of a piece of tin or other suitable material, having its inner side highly polished, and thereby adapted to reflect light. The upper corners of the reflector A are preferably curved or rounded, as shown, and the side edges of the reflector are curved forward from the same, thereby making the upper portions of the reflector concave, while the lower portion thereof is flat. The curved edges B of the reflector serve to reflect and converge the rays of light falling thereon, while the flat portion simply reflects the rays falling on it, so as to increase the light at desired parts of a room or place.

C represents a spring-bracket, which is made from a single piece of spring metal bent to form the open ring D and the arms E. The outer ends of the said arms are bent outward in opposite directions, and are secured rigidly to the front side of the reflector, near the lower edge thereof. The open ring D is adapted to be slipped over the collar of a lamp, so as to secure the reflector thereto, as shown in Fig. 1. Owing to the resilience of the bracket, the open ring thereof clamps the collar of the lamp very firmly, and thereby prevents the reflector from shaking. It also enables the open ring to be expanded or contracted, in order to fit it to lamp-collars of varying sizes. When the reflector is attached to the lamp, it may be turned thereon to any desired point in a circle, and thereby direct the rays of light to any portion of the room in which the lamp is placed.

To the upper edge of the reflector is attached a forward and upwardly extending guide or loop G, which is made of a single piece of wire, and is adapted to pass over the upper end of the lamp-chimney, so as to prevent the chimney from falling from the lamp-burner.

The reflector may be used as a shade by turning it on the lamp in the direction from which the rays of light are to be excluded, as will be readily understood.

I am aware that lamp shades and reflectors have heretofore been devised having a flat portion and bent corners, and am also aware that lamp-reflectors have heretofore been supported upon the lamps by means of spring-collars; but I make no claim, broadly, to such a device.

It will be observed that my reflector does not concentrate the light to a single point, but allows it to diverge in an arc of about two-thirds of a circle. It will also be observed that the weight of the reflector is supported entirely by the bracket at the lower end of the same, so that no weight is thrown on the chimney, and the liability of the same to be broken is consequently lessened. It will also be noticed that the split ring is of flat metal, and consequently will fit around the collar of any lamp, whether smooth or ribbed.

Having thus described my invention, I claim—

The improved reflector, herein described and shown, consisting of the flat polished plate A, having its upper corners rounded and bent forward, the flat metal spring-bracket C, comprising the split ring D, and the spring-arms E, formed integral with said ring and extended from the ends of the same and having their extremities secured to the lower edge of the plate A, the split ring being adapted to encircle the collar of a lamp, and the wire loop G, secured to the upper edge of the plate A and projecting forward therefrom and adapted to encircle the upper portion of a lamp-chimney, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE W. PELTON.

Witnesses:

WM. FREELAND,  
FRANK KILLMER.