

No. 624,328.

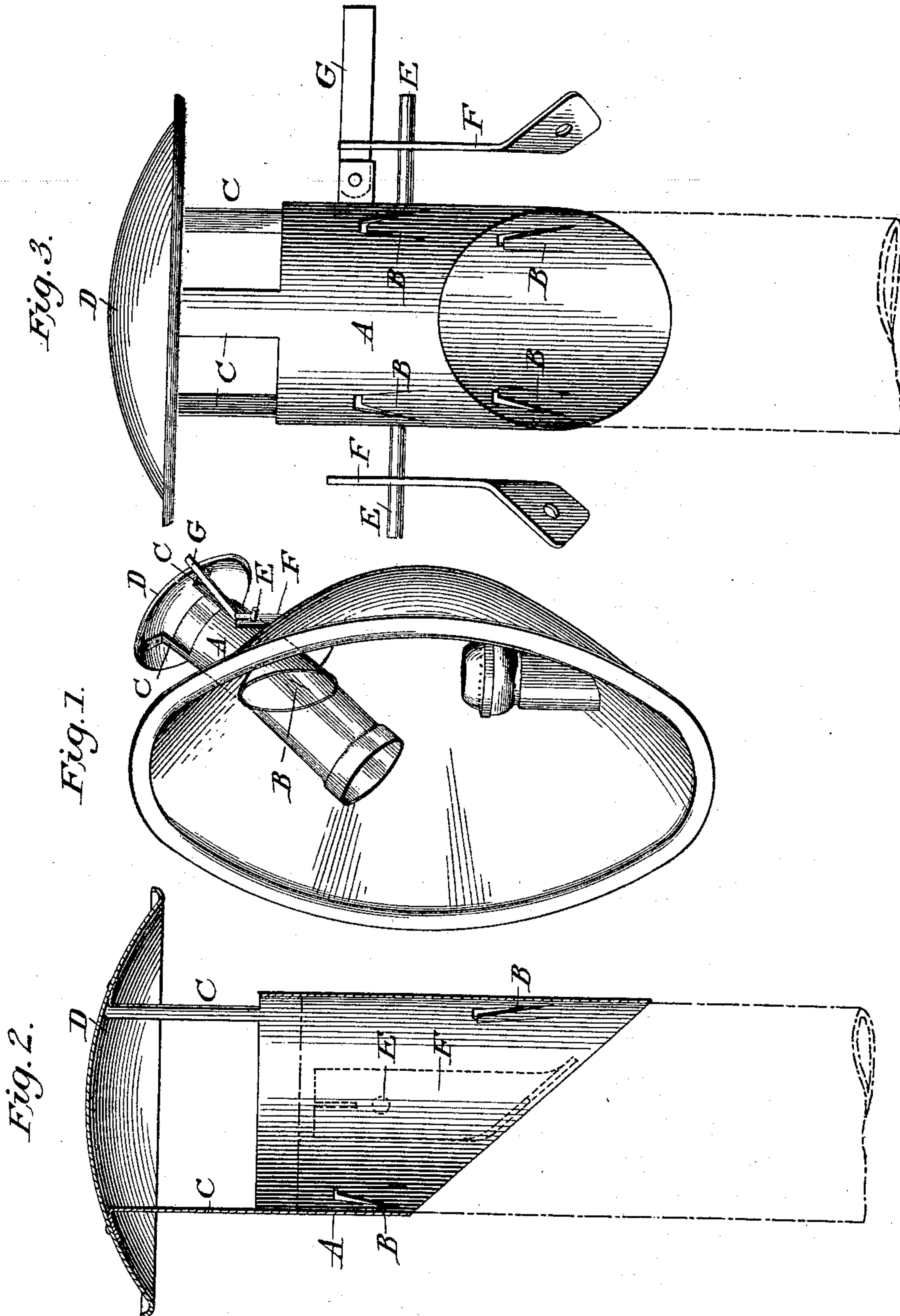
Patented May 2, 1899.

J. F. HARE.

LOCOMOTIVE HEADLIGHT CHIMNEY PROTECTOR.

(Application filed July 13, 1898.)

(No Model.)



Witnesses.  
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# UNITED STATES PATENT OFFICE.

JONAS F. HARE, OF JERSEY CITY, NEW JERSEY.

## LOCOMOTIVE-HEADLIGHT-CHIMNEY PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 624,328, dated May 2, 1899.

Application filed July 13, 1898. Serial No. 685,891. (No model.)

*To all whom it may concern:*

Be it known that I, JONAS F. HARE, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful Locomotive-Headlight-Chimney Protector; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings.

10 The object is to provide novel means whereby the chimney of the character mentioned may be protected and held firmly in proper position and in the provision of novel means for releasing the protector and allowing the chimney to be removed.

The invention also protects the chimney from rain or spray and allows a proper draft.

20 With the above and other objects in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and specifically claimed.

25 In describing the invention in detail reference will be had to the accompanying drawings, forming part of this specification, wherein like characters of reference denote corresponding parts in the several views, in which—

30 Figure 1 is a view in perspective, showing a locomotive-headlight reflector with my invention applied. Fig. 2 is a central vertical sectional view of the protector. Fig. 3 is a view in elevation.

35 In the drawings, A indicates the protector, comprising in its construction a cylindrical body having fingers B cut therefrom and bent in to engage the chimney. Projecting strips C are formed with the body, and a cover or canopy D is secured to the outwardly-bent ends thereof. Posts F are attached to the reflector, and one of said posts is provided with a slot to receive the latch G, which is

pivoted to a lug of the protector-body. Pins E extend from opposite sides of the body and swing in bearings of the posts for the purpose of allowing the protector to be swung to the position indicated in Fig. 1 that the chimney may be readily applied and removed, and it will be seen that the said protector may be swung back over the burner to allow the chimney's descent thereover.

The construction, operation, and advantages will, it is thought, be understood from the foregoing description, it being noted that various changes may be made in the proportions and other details of construction without departing from the spirit of the invention.

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

1. In a device of the character described, a reflector, posts thereon, one of which has a slotted upper end, a protector having pins in bearings of the posts, a latch pivoted to a lug of the protector and adapted to lie in the slot of the post, substantially as described.

2. In combination, a reflector, a protector pivoted thereon, a latch pivoted to a lug of the protector, posts for supporting the protector one of which is slotted to receive the latch, substantially as described.

3. In combination, a reflector, posts thereon, a protector having in bent fingers formed therewith, pins protruding from opposite sides of the protector supported by the posts, a latch pivoted to a lug of the protector and lying normally in a slot of one of the posts, substantially as described.

In testimony that I claim the above as my invention witness my hand.

JONAS F. HARE.

Witnesses:

JAMES JONES,  
CHARLES A. ROE.