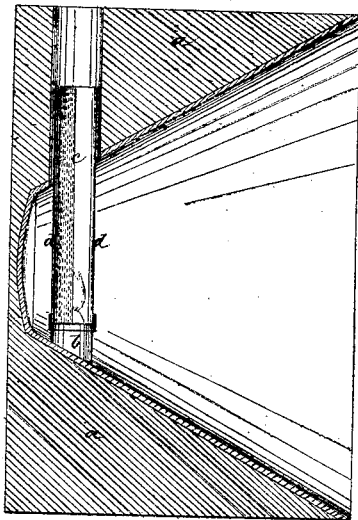


THOMAS A. DAVIES.  
Improvement in Lamp-Chimneys.  
No. 114,113. Patented April 25, 1871.

*Fig. 1.*



*Fig. 2.*



Witnesses.  
*H. J. Smith*  
*C. W. Pettit*

*T. A. Davies, Inventor.*  
by *Wm. H. C.*  
*his Attorneys.*

# United States Patent Office.

THOMAS A. DAVIES, OF NEW YORK, N. Y.

Letters Patent No. 114,113, dated April 25, 1871.

## IMPROVEMENT IN LAMP-CHIMNEYS.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern :*

Be it known that I, THOMAS A. DAVIES, of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Lamp-Chimneys for Signal and other purposes; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a sectional elevation, and

Figure 2 is a side elevation of a chimney having a red circumferential band.

This invention relates to a new article of manufacture in the form of a lamp-chimney for head-lights for locomotives.

It may be made in the usual form of lamp-chimneys, and is provided with transverse or longitudinal colored bands on one side, so that when revolved on its axis, or raised or lowered by suitable mechanism, lights of correspondingly-different hues will be thrown on the track in front of the locomotive, and thus the desired signal of danger or safety, &c., be given.

The size and shape of the chimney also adapt it to exhibit more than one colored band at the same time, and thus change in the signal is readily made by properly adjusting the chimney.

Referring to the drawing—

*a* is a box, such as is ordinarily used for inclosing a locomotive head-light.

*b* is the lamp which produces the light, said lamp being arranged within the box in the usual manner either to revolve or remain stationary.

*c* is the lamp-chimney, the same being so attached to the lamp as to revolve with the latter, or to revolve by itself, or to be raised and lowered.

The chimney is stained in one or more longitudinal bands *d*, fig. 1, or circumferential bands *e*, fig. 2, of different colors.

If the longitudinal bands are employed by revolving the chimney either by itself or in connection with lamp, by any suitable mechanical means, the engineer is enabled to show different colors for the purpose of signaling to those in charge of approaching trains.

If the circumferential bands are employed the same result is accomplished by raising or lowering the chimney.

The chimneys of locomotive head-lights are now made of a uniform hue, generally white, and signals of different colors are produced by exterior plates or curtains. These I do away with, and simplify the construction of my head-light by using one chimney, colored as specified.

Having thus described my invention,

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

As a new and improved article of manufacture the lamp-chimney for locomotive head-lights, herein described, provided on one side with colored bands, as and for the purpose specified.

THOS. A. DAVIES.

Witnesses:

SOLON C. KEMON,  
CHAS. A. PETTIT.