

(No Model.)

J. G. HOPE.
Signal Lantern.

No. 241,015.

Patented May 3, 1881.

Fig. 1.

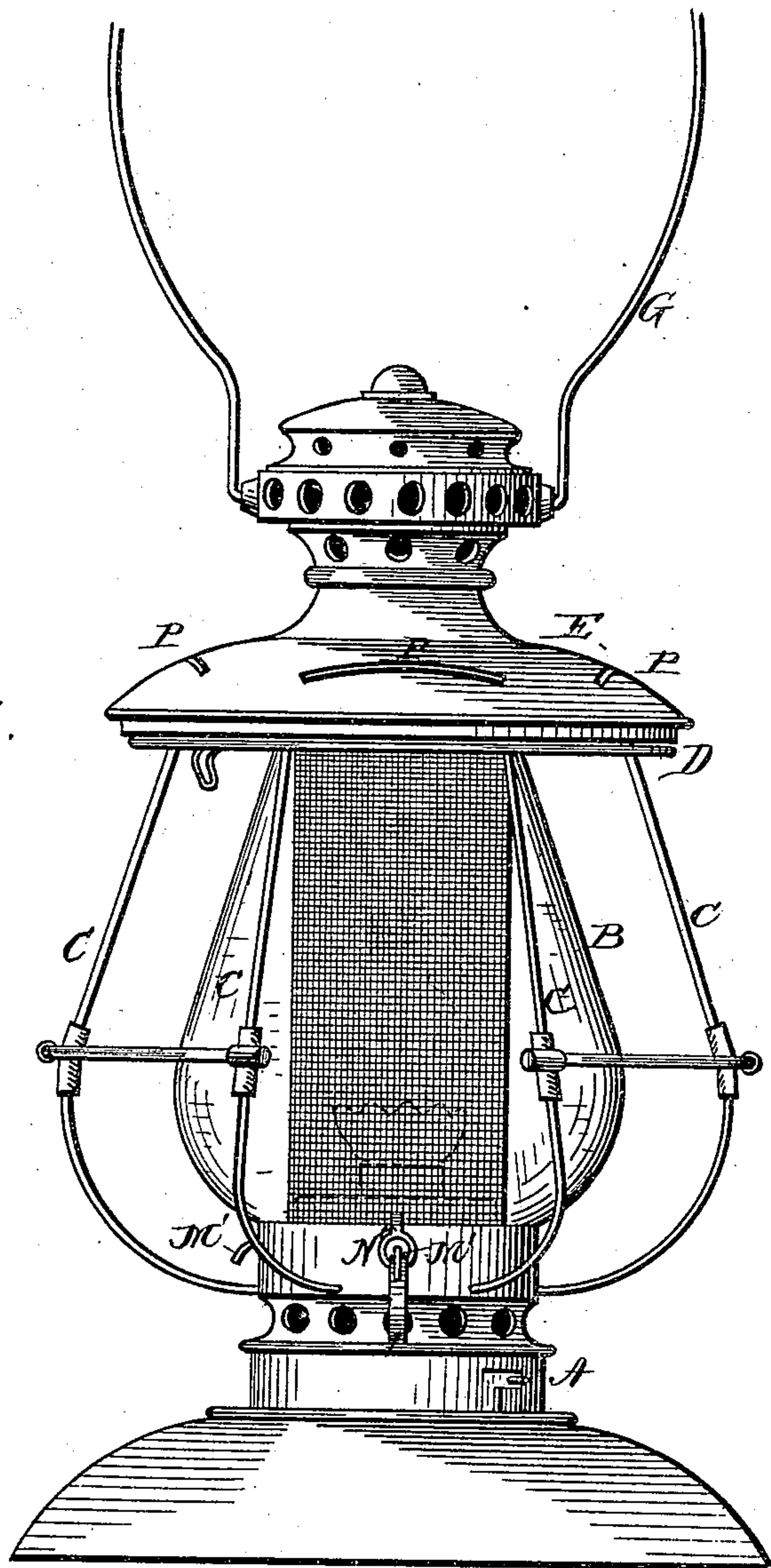
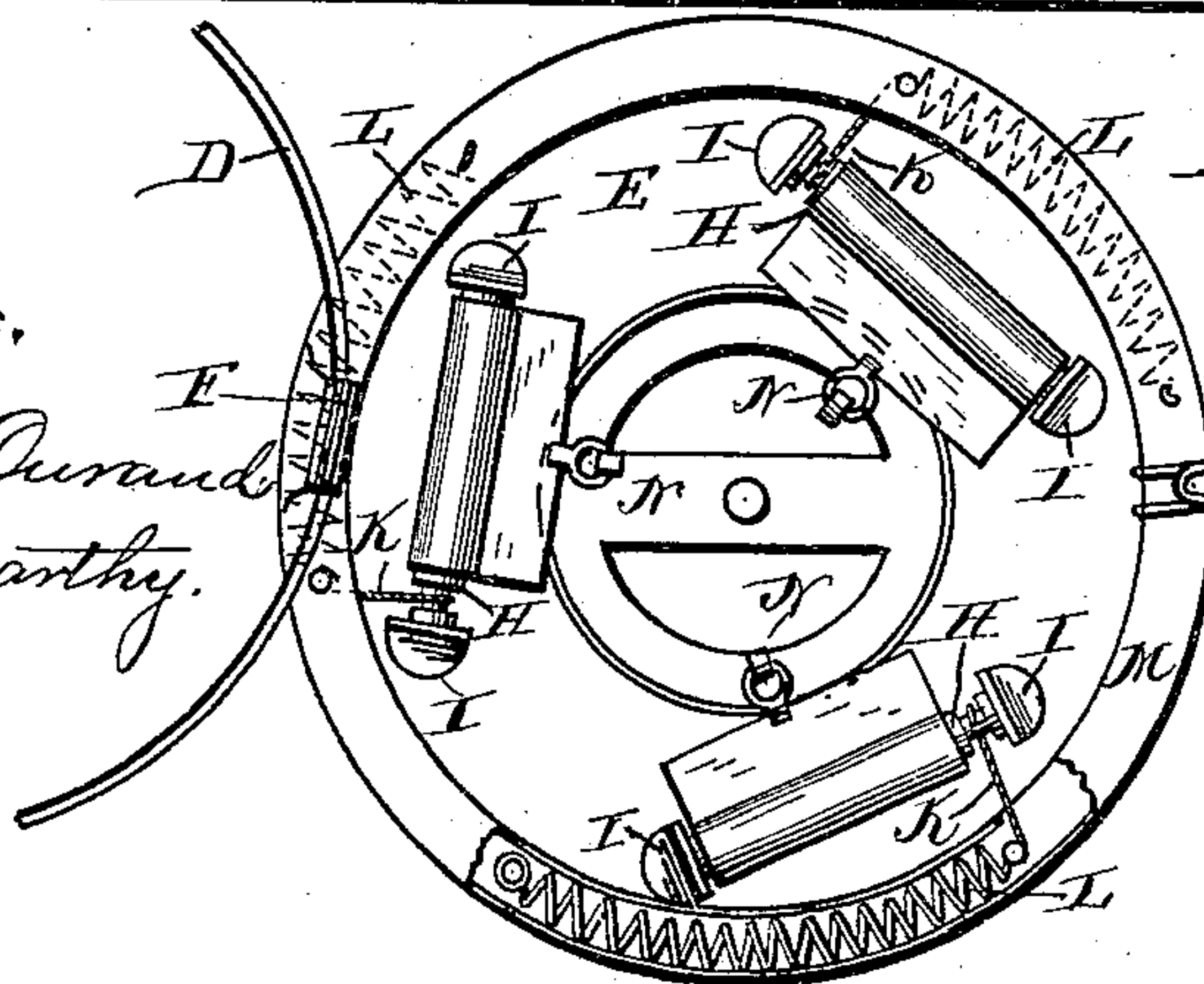


Fig. 2.



Witnesses,
Frank L. Curran
J. J. McCarthy.

Inventor
James G. Hope
By
Alexander Mason
Attys

UNITED STATES PATENT OFFICE.

JAMES G. HOPE, OF KANSAS CITY, MISSOURI.

SIGNAL-LANTERN.

SPECIFICATION forming part of Letters Patent No. 241,015, dated May 3, 1881.

Application filed March 12, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES G. HOPE, of Kansas City, in the county of Jackson, and in the State of Missouri, have invented certain new and useful Improvements in Signal-Lanterns; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in signal-lanterns; and it has for its objects to provide a lantern by means of which any desired color may be displayed at will for the purpose of signaling, as more fully hereinafter specified. These objects I attain by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of my invention, showing the method of displaying the signals, and Fig. 2 represents an inverted view of the top of the lantern.

The letter A indicates the lamp-body, and B the lamp glass or globe. These may be of the ordinary or any approved construction.

The letter C indicates the guards, which terminate at their upper ends in an annulus, D, to which the lantern-top E is hinged, as indicated by the letter F.

The letter G indicates the bail by which the lantern is carried.

In the under side of the top of the lantern are located a series of any desired number of rollers, H, which are journaled in suitable bearings in the brackets I. The said rollers each carry a curtain of the color for the desired signal. When in a normal position the curtains are wound on their respective rollers so as to be out of sight. The rollers are held in such normal position by means of the cords K, which

wind around the journals of the respective rollers, and are secured to the spiral springs L, located in a hollow annulus, M, at the lower edge of the lantern-top.

The letter M' indicates a series of hooks secured to the base of the lantern-frame, which are adapted to engage the eyes N at the free edges of the curtains.

The operation of my invention will be readily understood in connection with the above description, and is as follows: When it is desired to display any particular color the curtain of such color is drawn down over the outside of the globe or glass, and the eye N at the lower edge thereof is secured over the corresponding hook M', so that the light may be transmitted through the curtain. When the signal is to be changed the curtain is released, and the retractile force of the spring winds the curtain up into its normal position.

In order to protect the curtains from the heat of the lantern a series of slots, P, may be made directly above them, so as to create a draft of cold air over their surfaces.

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

In combination with the top of the lantern, the rollers, mounted in suitable bearings therein, the spiral springs and connecting-cords, the curtains and attached eyes, and the hooks at the base of the lantern-frame, all arranged to operate substantially in the manner specified.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of February, 1881.

JAS. G. HOPE.

Witnesses:

A. R. NIXON,
FRANK ECKERT.