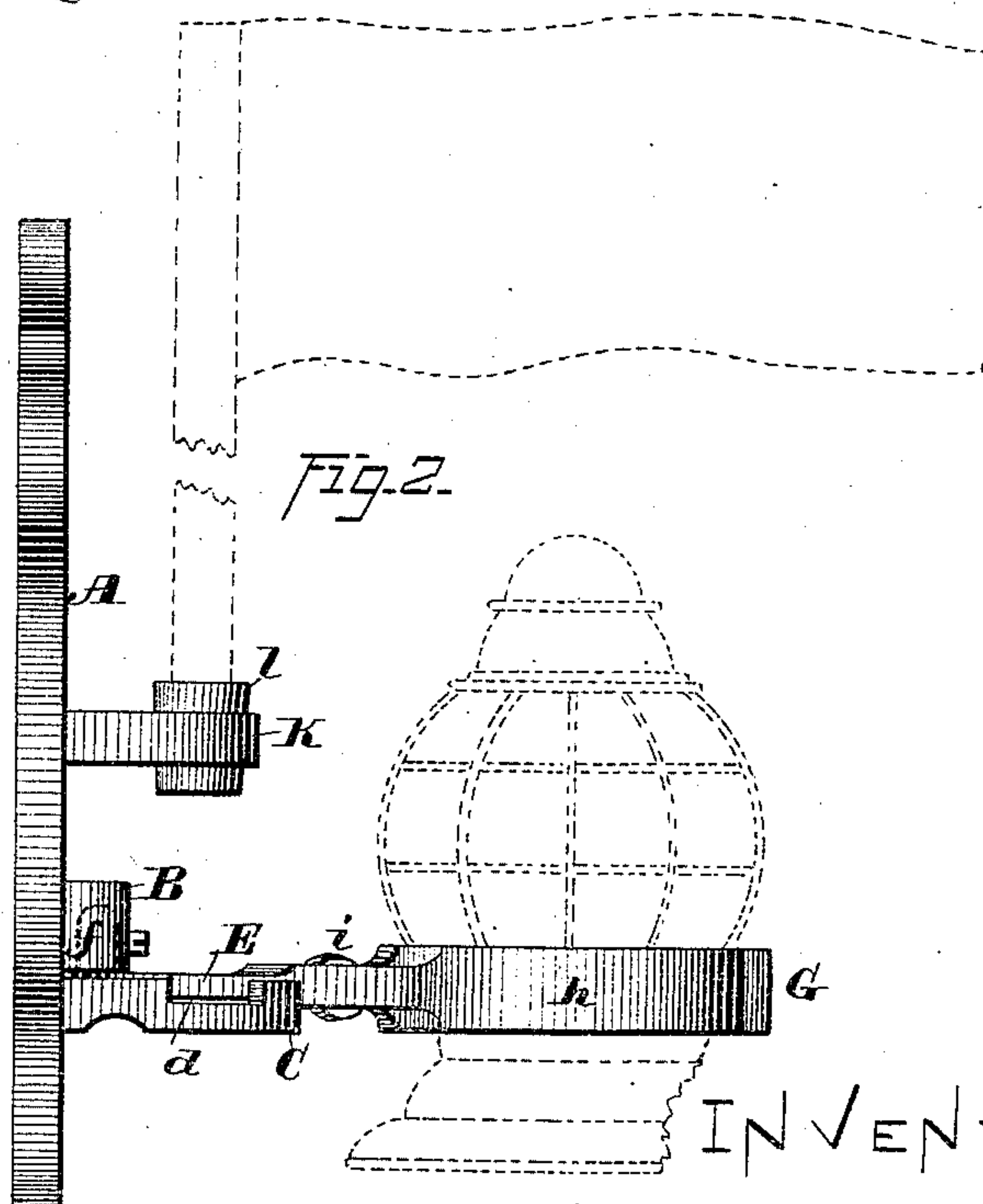
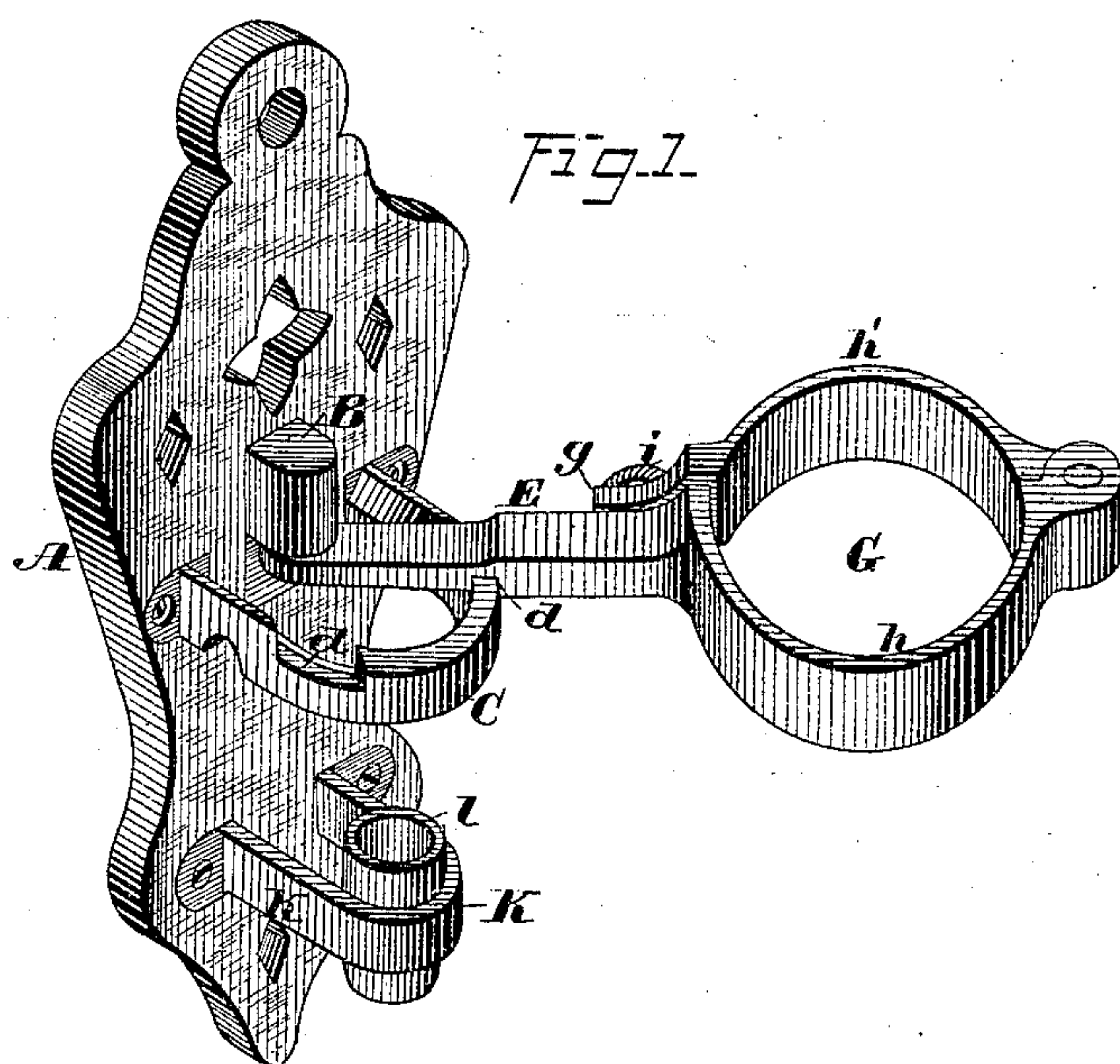


F. W. COOLBAUGH.

Holder for Signal Lantern and Flag.

No. 232,461.

**Patented Sept. 21, 1880.**



WITNESSES=

Jas. E. Hutchinson.

J. A. Rutherford.

# INVENTORY

*F. W. Coolbaugh.*

by James L. Norris.  
Att'y

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Fig. 3.

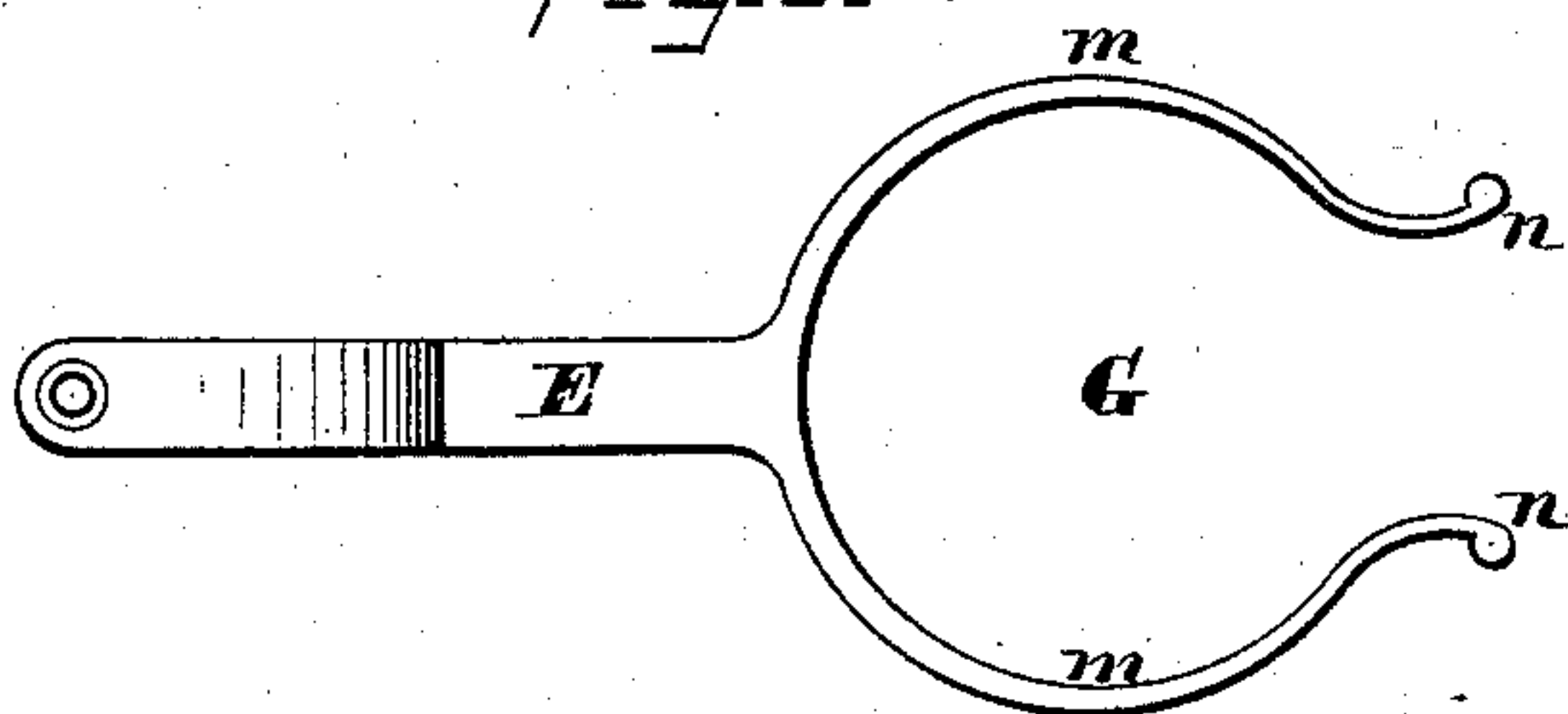


Fig. 4.

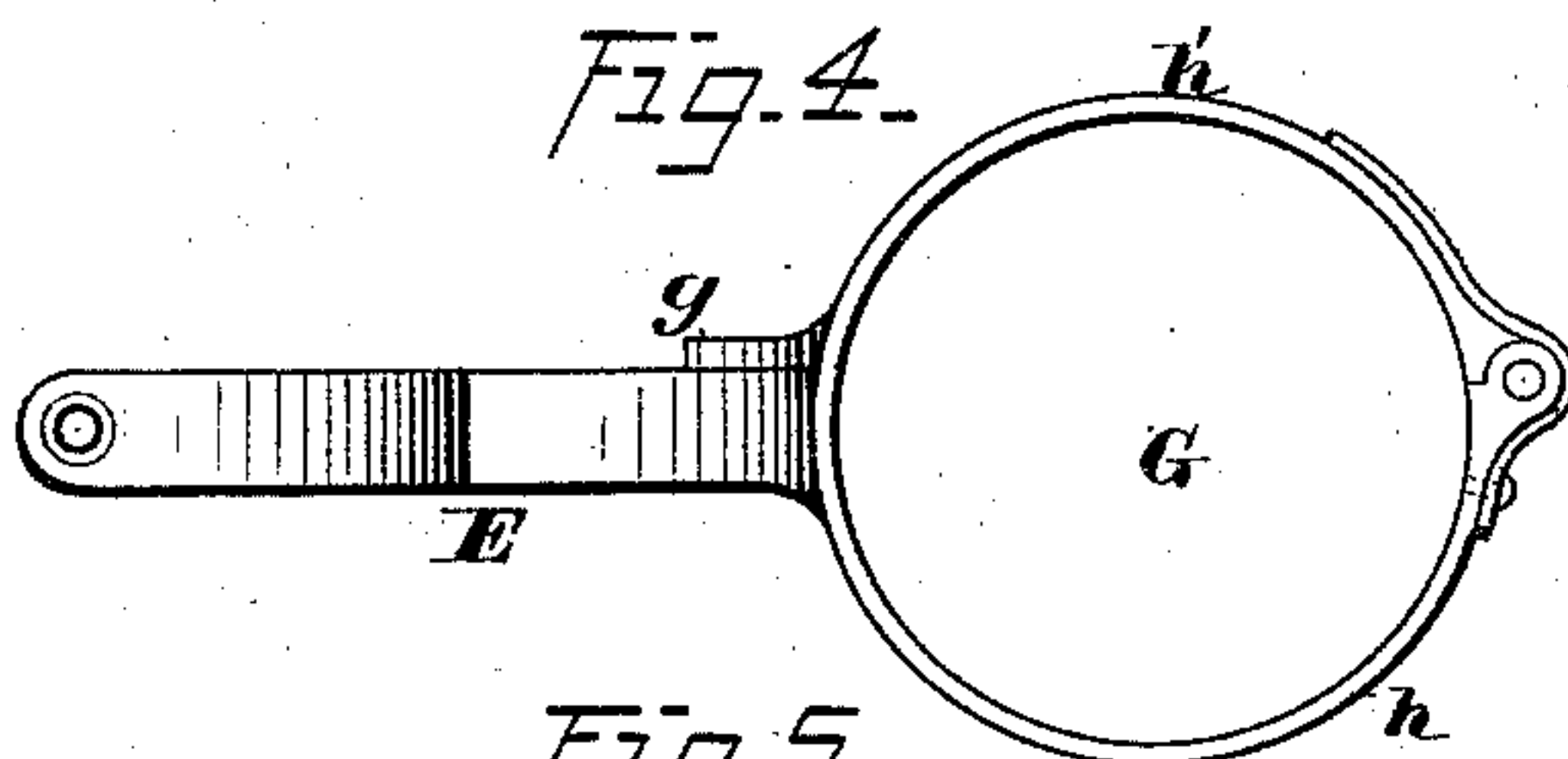


Fig. 5.

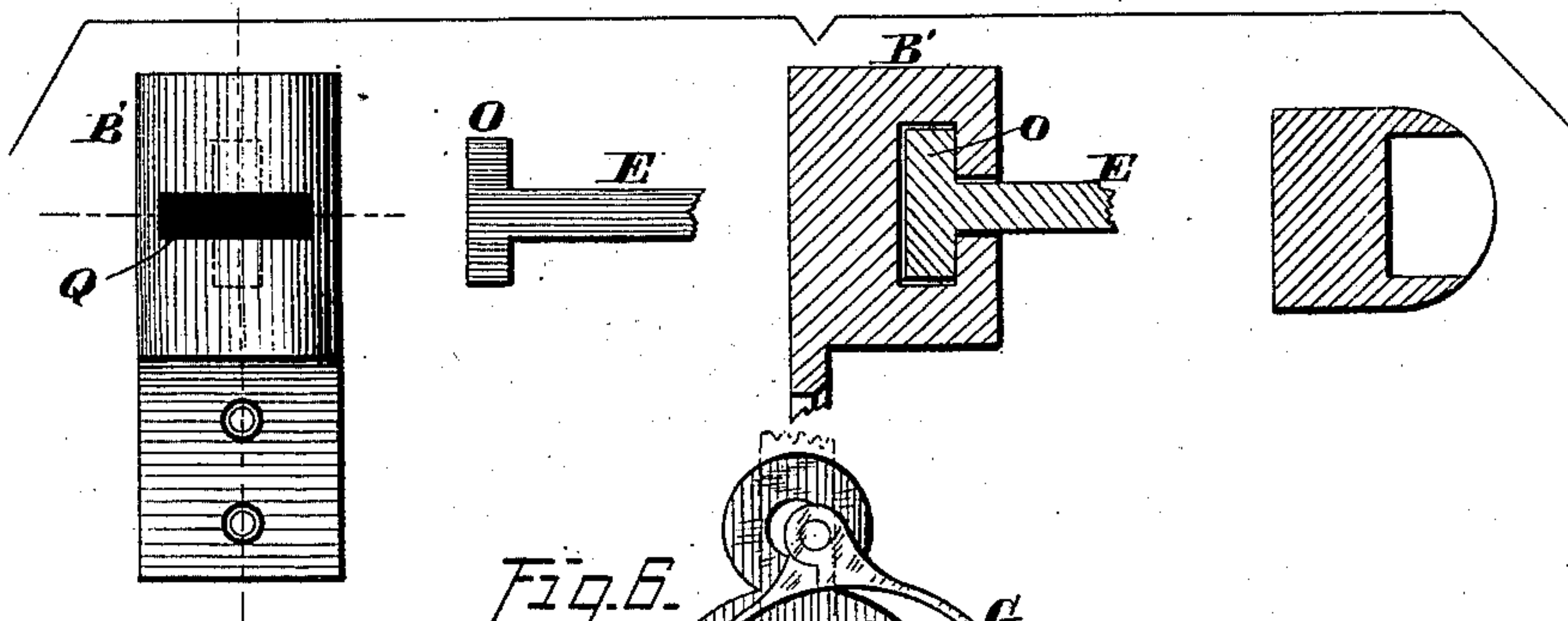
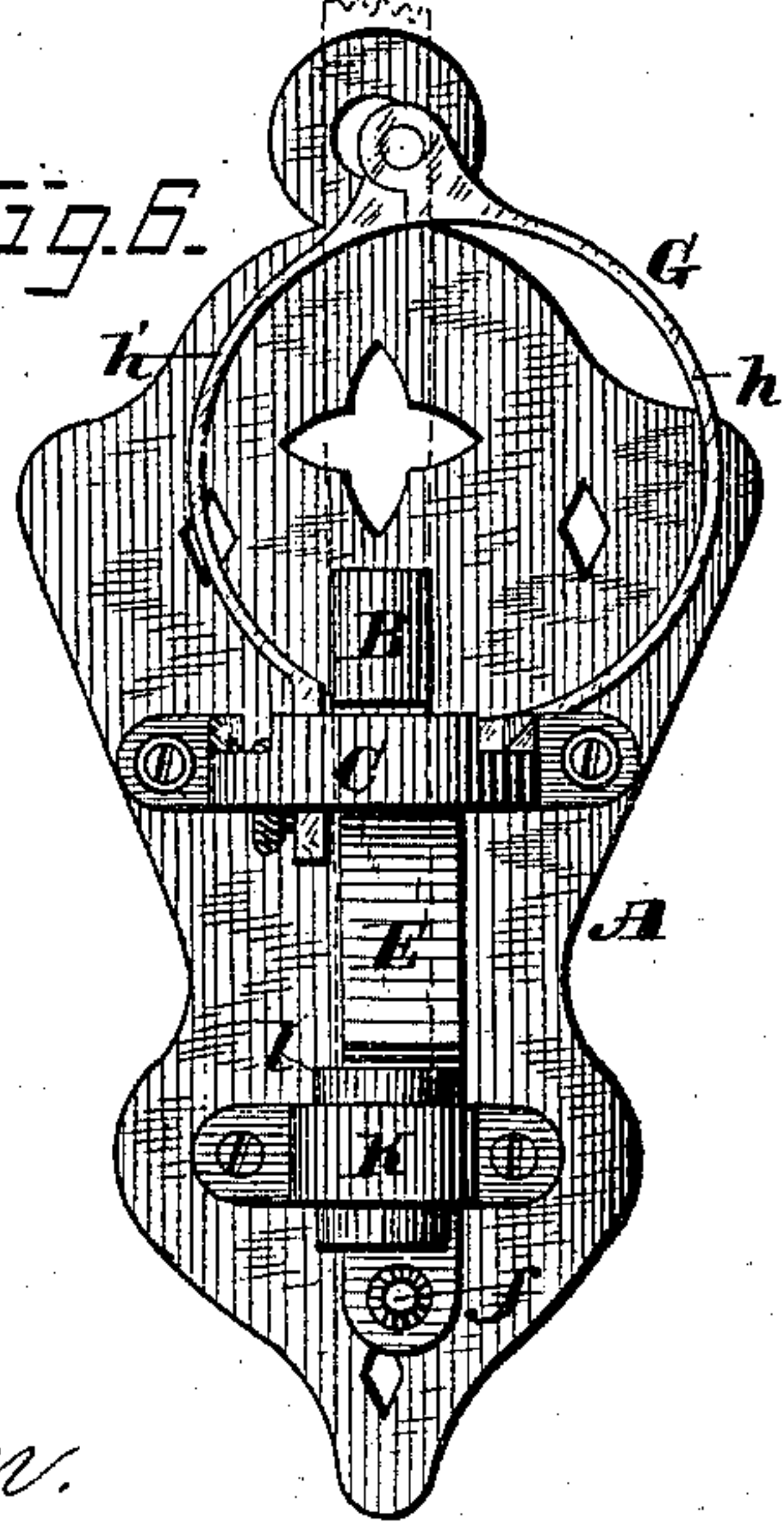


Fig. 6.



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# UNITED STATES PATENT OFFICE.

FRANK W. COOLBAUGH, OF HOBOKEN, NEW JERSEY.

## HOLDER FOR SIGNAL LANTERNS AND FLAGS.

SPECIFICATION forming part of Letters Patent No. 232,461, dated September 21, 1880.

Application filed February 19, 1880.

*To all whom it may concern:*

Be it known that I, FRANK W. COOLBAUGH, a citizen of the United States, residing at Hoboken, in the county of Hudson and State of New Jersey, have invented new and useful Improvements in Signal Lantern and Flag Holder for Railway Trains and Locomotives, of which the following is a specification.

My invention relates to an improved device for displaying signal lanterns or flags, or both, on railway-trains, its object being to provide a cheap, compact, convenient, and efficient means for carrying a lamp or lantern of any pattern, or a flag, or both, at once upon the rear of a train of any class in full view of its engineer and fireman or of the engineer and fireman of a following train, thus lessening to a great extent the liability of the occurrence of the "break-in-two" and "run-together" accidents, so common when trains are provided with no rear signals in view from the locomotives.

It has also for its object to detachably secure the lamp or flag in a definite locality, where they can always be found, thereby avoiding the oft-times fatal delays caused by searching for them in the coal-box, under the seats, or in a car ahead.

The invention consists in a plate adapted for attachment flatwise to a car-wall, and provided with a central eye or socket and a loop or rest projecting horizontally below and concentrically with said eye *a*, socketed and notched on its upper edge, in combination with an arm projecting above said loop or rest having a lamp-holder at one end, and its other end adapted to fit into the socket or eye of the plate, the arm being of proper size to fit into the notches of the loop or rest. When the stud is engaged with the eye or socket of the plate the arm projects horizontally and rests upon the loop in engagement with either of the notches of the same, according to the direction in which it is desired that the said arm shall stand with relation to the car-wall, as herein-after explained.

It also consists in providing the plate as above constructed with a projecting bracket carrying a flag-staff socket either above or below the lamp-arm rest or supporting-loop, thus adapting the said plate to carry a flag for use by day as well as a lamp for use by night.

In the accompanying drawings, Figure 1 is a perspective view of the lamp and flag holder as attached to a car. Fig. 2 is a modification of the same with the flag-holder above the lamp-arm. Figs. 3 and 4 illustrate modifications of the lamp-holder. Fig. 5 shows a modification of the means of securing the lamp-arm to the plate. Fig. 6 is a view in elevation, showing position of lamp-arm when not in use.

The letter *A*, Fig. 1, designates the base-plate, having the attached socket *B* located at the upper portion of the plate; and *C* is a horizontal loop or rest secured to the plate just below the socket, and having notches *d* formed in its upper edge at opposite sides.

The lamp-arm *E* has at its inner end a laterally-projecting stud, *f*, which extends upward into the socket *B*, and at its outer end said arm carries a lamp-holder, *G*, formed by curving a flat extension, *h*, of the arm into approximately semicircular shape and hinging to its tip the end of a similar approximately semicircular arm, *h'*, the other end of which is bent to form a flat lug, *g*, which is adapted to lie against the straight edge of the arm *E*, and is secured thereto by a screw, *i*, when the holder is closed around a lantern.

Below the lamp-arm rest or loop a bracket, *K*, projects from the plate *A*, and carries a flag-staff socket, *l*, in such position that the staff will extend therefrom upward through the said rest or loop, which thus serves as additional security against the lateral falling of the staff.

Instead of the form of lamp-holder as shown in Fig. 1, the outer end of the arm *E* may be provided with oppositely-curved spring-arms *m*, as shown in Fig. 3, approaching each other at their tips, and provided with outwardly-flared jaws *n* to facilitate the insertion of the lantern. These spring-arms are adjusted to snugly embrace and firmly support the lantern when it is forced between them, and to permit it to be withdrawn therefrom by the exercise of proper force.

The form of lamp-holder shown in Fig. 1 may be modified by omitting the retaining-screws *i* and connecting the swinging curved arm *h'* with the stationary arm *h* by a spring-hinge, as shown in Fig. 4, or in any other well-known manner, the spring of the hinge serving to keep the hinged arm closed around the



lantern. The arm E may be connected to the plate A by means of a cross-head and slot, as shown in Fig. 5, in which O is a cross-head formed on the inner end of the arm E, at right angles to the plane of the lantern-holder. The lug B' has an interior recess, and a horizontal slot, Q, is cut through to said recess. The cross-head O, being inserted through the slot, is then turned to a vertical position, which prevents its withdrawal and brings the lantern-holder to a horizontal position. Or a universal joint or two-way joint may be used, and if such a joint be used and the loop or rest located below the flag-socket bracket the arm may be simply turned up when not in use, so that the lamp-holder will embrace said bracket, and it may be so held by a suitable spring located at the joint or at the upper part of the plate.

When the holder of the construction shown in Fig. 1 is not in use the arm E may be detached and passed downward through the rest or loop and bracket, the lamp-holder hanging upon the former, as shown in Fig. 6. A suitable removable guard may be arranged above the loop or rest to prevent the lamp-arm from being jolted out of its notch. The said arm may be made of any desired length, and may be secured to the plate by a bayonet-joint in lieu of the connections before referred to.

The shape of the lamp-holder, it will be understood, may be varied as desired to suit different forms of lanterns or lamps.

The lamp and flag holder may be secured permanently to the car, or may be attached thereto in a manner suitable for its ready removal. Where it is permanently attached each car will require four, one near each corner.

A convenient means of detachably securing the plate to a car is to provide said plate with three diamond or lozenge shaped openings and arrange in the car-wall three screws with

diamond-shaped heads fitted with similarly-shaped washers or covers, which fit snugly into the openings of the plate.

The rubber washers, by their elasticity, hold the plate with suitable force.

The device as now described may be used for displaying signals according to any pre-arranged code, and is admirably adapted for locomotive service.

Having now described my invention, I claim—

1. In a signal-lantern holder, a plate adapted for attachment flatwise to a car-wall, and provided with a central eye or socket and a loop or rest projecting horizontally below and concentrically with said eye or socket and notched on its upper edge, in combination with an arm projecting above said loop or rest having a lamp-holder at one end, and its other end adapted to fit into the socket or eye of the plate, the arm being of a proper size to fit into the notches of the rest, substantially as described.

2. The combination, with a plate adapted for attachment flatwise to a car-wall, and carrying a movable lamp-arm and a support for the same, of a flag-staff socket projecting from said plate, substantially as described.

3. The combined lamp and flag holder consisting of the base-plate A, socket B, notched loop or arm-rest C, adjustable lamp-arm E, carrying the lamp-holder G, and the bracket K, carrying the flag-staff socket, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

FRANK W. COOLBAUGH.

Witnesses:

JOHN P. CLOYD,

I. C. CURKEY.