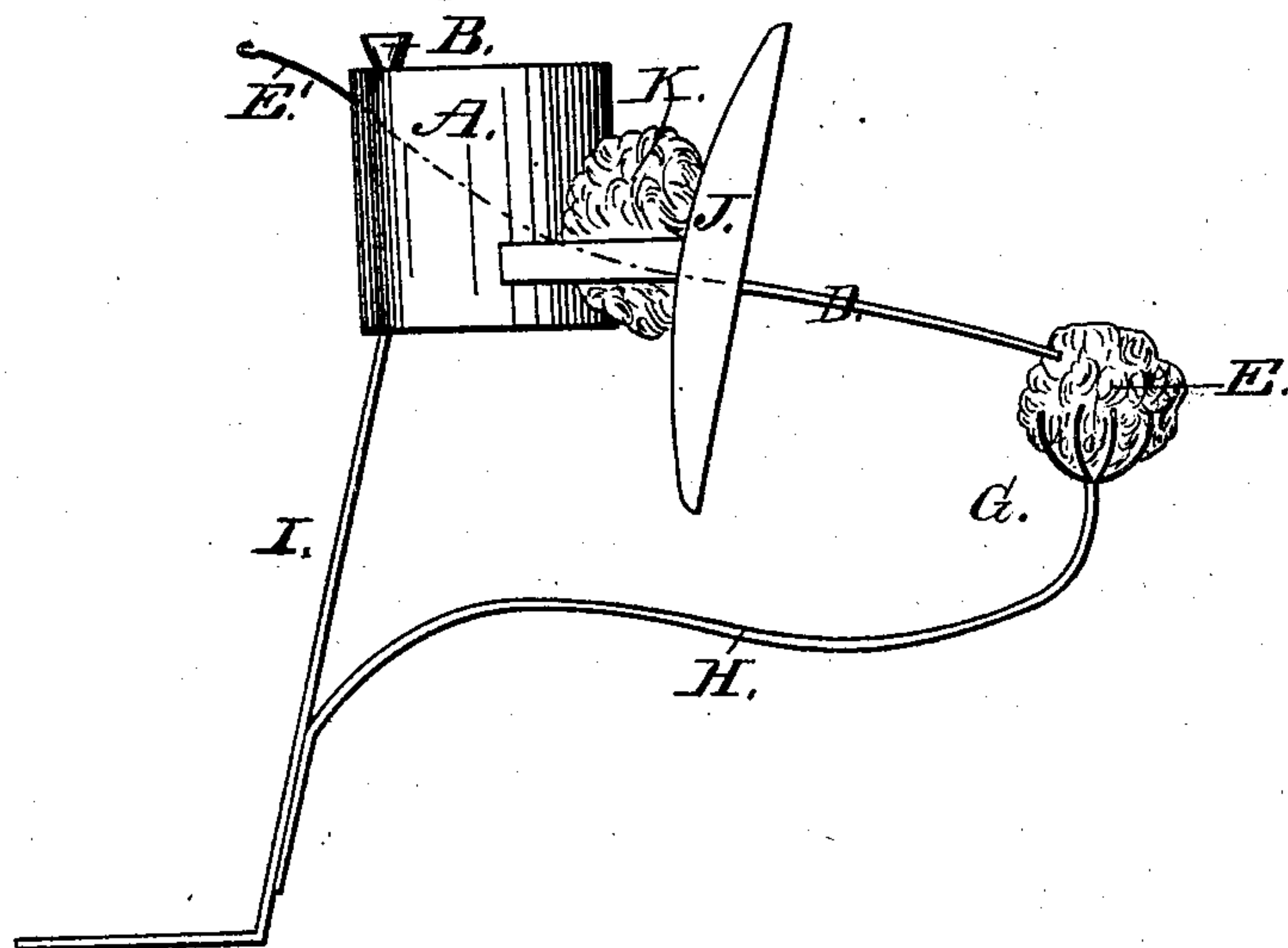


G. HANELINE.  
FISHING TORCH.

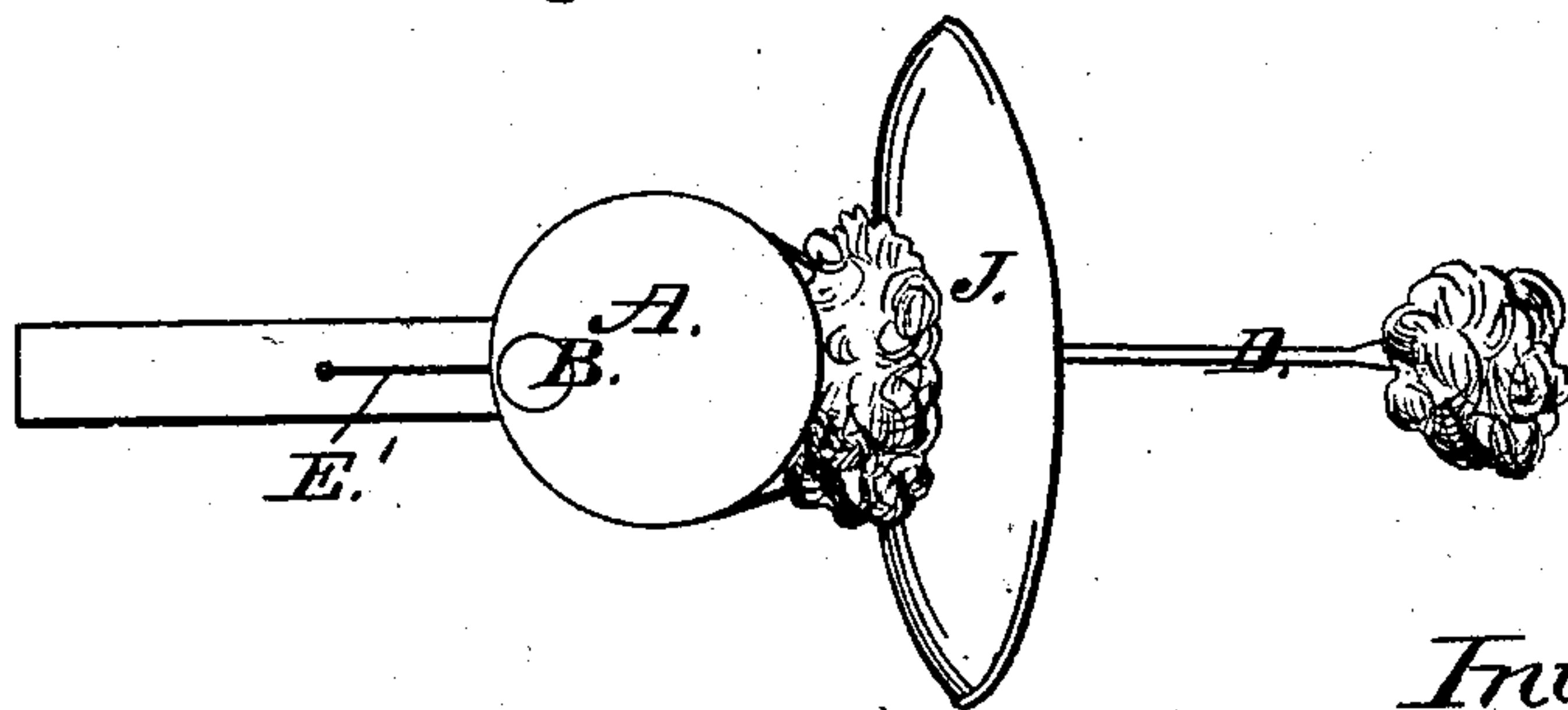
No. 89,309.

Patented Apr. 27, 1869.

*Fig. 1.*



*Fig. 2.*



Witnesses:

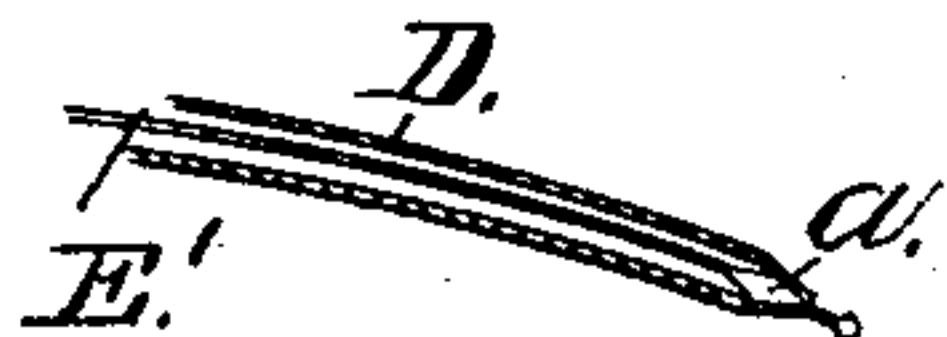
Inventor:

J. H. Burridge

*Fig. 3.*

G. Haneline.

Frank S. Alden





GEORGE HANELINE, OF AKRON, OHIO.

Letters Patent No. 89,309, dated April 27, 1869.

IMPROVEMENT IN FISHING-TORCHES.

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, GEORGE HANELINE, of Akron, in the county of Summit, and State of Ohio, have invented certain new and useful Improvements in Fishing-Torch; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of the torch.

Figure 2, a view of the top.

Figure 3, a detached section.

Like letters of reference refer to like parts in the several views presented.

This invention has for its object the production of a light, by the use of oil supplied continuously to a ball of cotton or other similar material, whereby a bright and glowing light is produced, for the purpose of fishing at night.

A, fig. 1, represents an oil-can, and

B the mouth whereby the can is filled.

C is the spout, consisting of a long, slender tube D, a detached view of which is shown in fig. 3.

The outer end of said tube is reduced to a very fine opening, which is closed upon the inside by an enlargement of the rod E', said enlargement being shown at a, fig. 3, which is so shaped as to fit the end of the tube.

Said rod, as will be observed, extends through the tube into the can, thence up through to the outside, as shown in fig. 1.

F is a ball of cotton or other similar material, secured in a jack, G, supported upon the end of the rod H, said rod being secured to the standard I, whereby the can is upheld and the apparatus attached to the boat in which it is used.

J is a reflector, whereby the light is thrown back upon the torch, thereby increasing its light.

Between the reflector and can is interposed a certain quantity of cotton, K, the purpose of which will presently be shown.

The practical operation of this torch is as follows:

The apparatus is secured to the bow of the boat by means of the standard referred to.

The can, on being filled with oil, the cotton ball or torch F, is then saturated therewith, by simply pull-

ing upon the end of the rod E, by taking hold of the upper end E'.

This will cause the enlargement of the other end to move back, opening the tube, allowing the oil to flow out upon the cotton, which is then ignited, and the oil continuously supplied to it, by thus withdrawing the stopple a, the supply being more or less, as the distance may be that the stopple is drawn back.

In consequence of the smallness of the opening at the end of the spout, the flame cannot pass therein, whereas the oil can freely flow therefrom, thereby rendering the oil safe from explosion.

The spout, or tube D, being made of metal, it necessarily becomes heated, but which, however, is not communicated to the can, as the tube is kept cool by the use of water, it being occasionally thrown upon the cotton K, surrounding the tube, as above described, thereby keeping it cool and free from the danger of explosion, as aforesaid.

The reflector not only reflects the light back upon the torch, but it also serves as a shield for protecting the can from the heat, thereby adding to the greater safety of the apparatus.

A torch thus constructed saves much time, labor, and expense in providing a light for night-fishing, as those in ordinary use are made of bark or other suitable material, placed in a jack, and therein burned, which is not only expensive, but requires to be frequently replenished, in order to keep it burning.

With this apparatus any degree of light necessary for the purpose can be obtained, by simply graduating the supply of oil to the burning cotton, and which will be steady and uniform so long as the oil is supplied to the torch, hence requiring but little care and attention to keep it in full glow.

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

The herein-described fishing-torch, consisting of the oil-can A, tube D, rod E', and torch F, when constructed and arranged in relation to each other in the manner substantially as described, and for the purpose specified.

Witnesses:

GEORGE HANELINE.

A. M. HUTCHISON,  
GEORGE H. STARKS.