S. S. KIRK.

Lamps.

No. 151,137. Patented May 19, 1874.

Fig. 1.

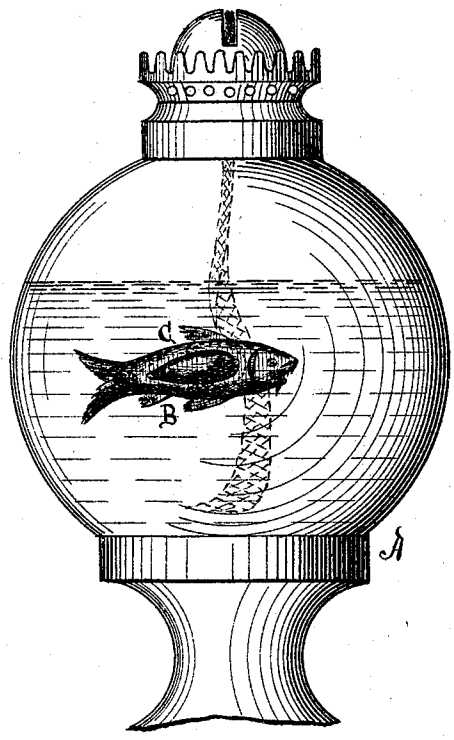
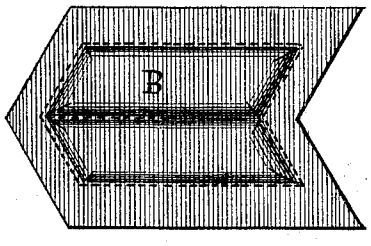


Fig. 2.



WITNESSES:

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AM. PHOTO-LITHOGRAPHIC Co. N. Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

SUMNER S. KIRK, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **151,137**, dated May 19, 1874; application filed April 3, 1874.

To all whom it may concern:

Be it known that I, SUMNER S. KIRK, of Washington city, in the county of Washington and District of Columbia, have invented certain new and useful improvements in fibrous or perforated receptacle for inclosing safety compounds and brilliants to be inserted into lamps burning coal-oil or other fluids; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification:

Various compounds are used to mix with coal-oil or other burning-fluids in lamps, for the purpose of neutralizing the gases arising from the oil or other fluid, and thereby lessening or entirely removing all liability of explosion. Heretofore these compounds have been simply poured into the lamps, which is objectionable, not only on account of the lamp presenting a dirty appearance, but also because it is apt to and often does clog the tube through which air is admitted to the oil-reservoir, and from which the gas escapes, thus, instead of diminishing, actually increasing the liability of the lamp exploding.

The object of my invention is to obviate these difficulties; and to this end, the nature of my invention consists in inclosing such safety compound or material in a receptacle or covering of cloth or other suitable fibrous material, made in the shape of a fish, duck, or other fanciful article, and inserting this into the lamp, and providing such receptacle with an air-tube or air-chamber, to cause it to float in the fluid within the lamp.

In the accompanying drawing, Figure 1 is a side view of a lamp with my invention embodied therein. Fig. 2 represents another form of my invention.

A represents a lamp for burning coal-oil or other burning-fluid. B represents a receptacle or covering inclosing any of the safety compounds now used. This receptacle may be made of cloth or other suitable fibrous or perforated material, and is represented as being made in the form of a fish. If made of yellow silk it would then represent the appearance of a gold-fish in an aquarium. But I do not confine myself to any size, color, shape or material. I provide the receptacle B with an air-tube or air-chamber, C, so as to cause the receptacle to float in the oil or fluid within the lamp, to distribute the effects of the compound, and to improve the appearance of the receptacle.

By these means the objections to using such safety compounds are entirely removed, and the lamp will be made to present a unique and handsome appearance.

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

The fibrous or perforated receptacle inclosing safety compounds for lamps, in combination with an air tube or chamber, placed within or attached to the receptacle, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I hereby affix my signature in presence of two witnesses.

SUMNER S. KIRK.

Witnesses:

GILBERT J. FERRISS,

H. C. SCOTT.