

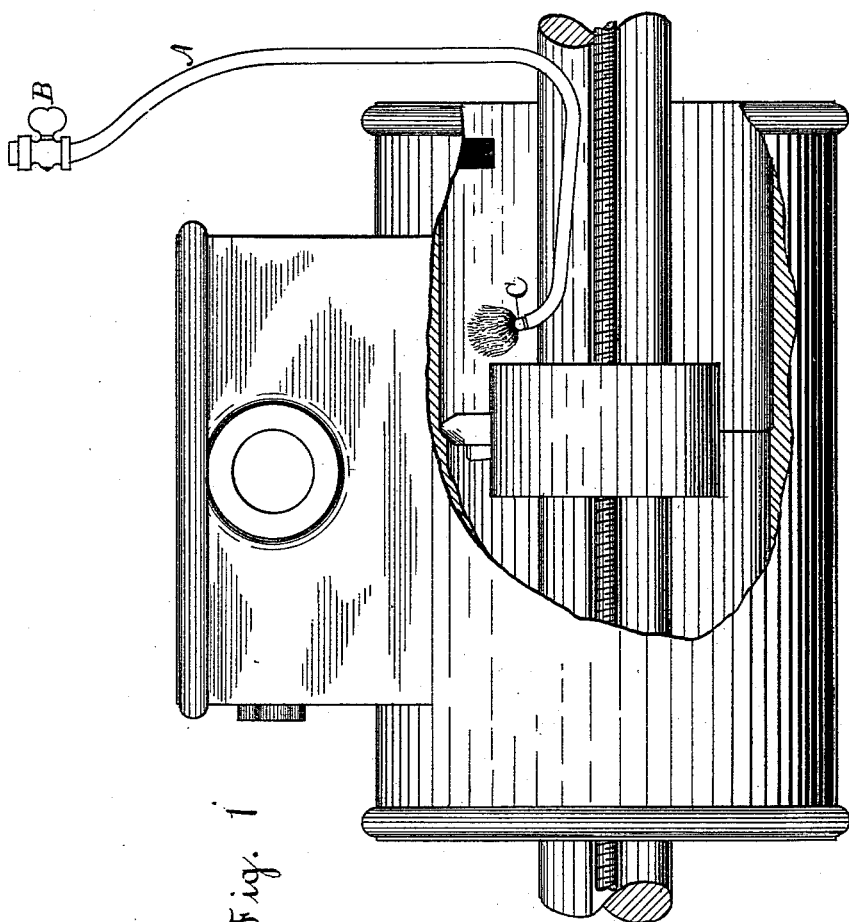
(No Model.)

2 Sheets—Sheet 1.

J. O. BARRETT.
LIGHT HOLDER.

No. 420,292.

Patented Jan. 28, 1890.



Witnesses

S. D. Hobbs.
Jno. L. Condon

Inventor

James O. Barrett
By his Attorneys
Hallwick & Hallwick

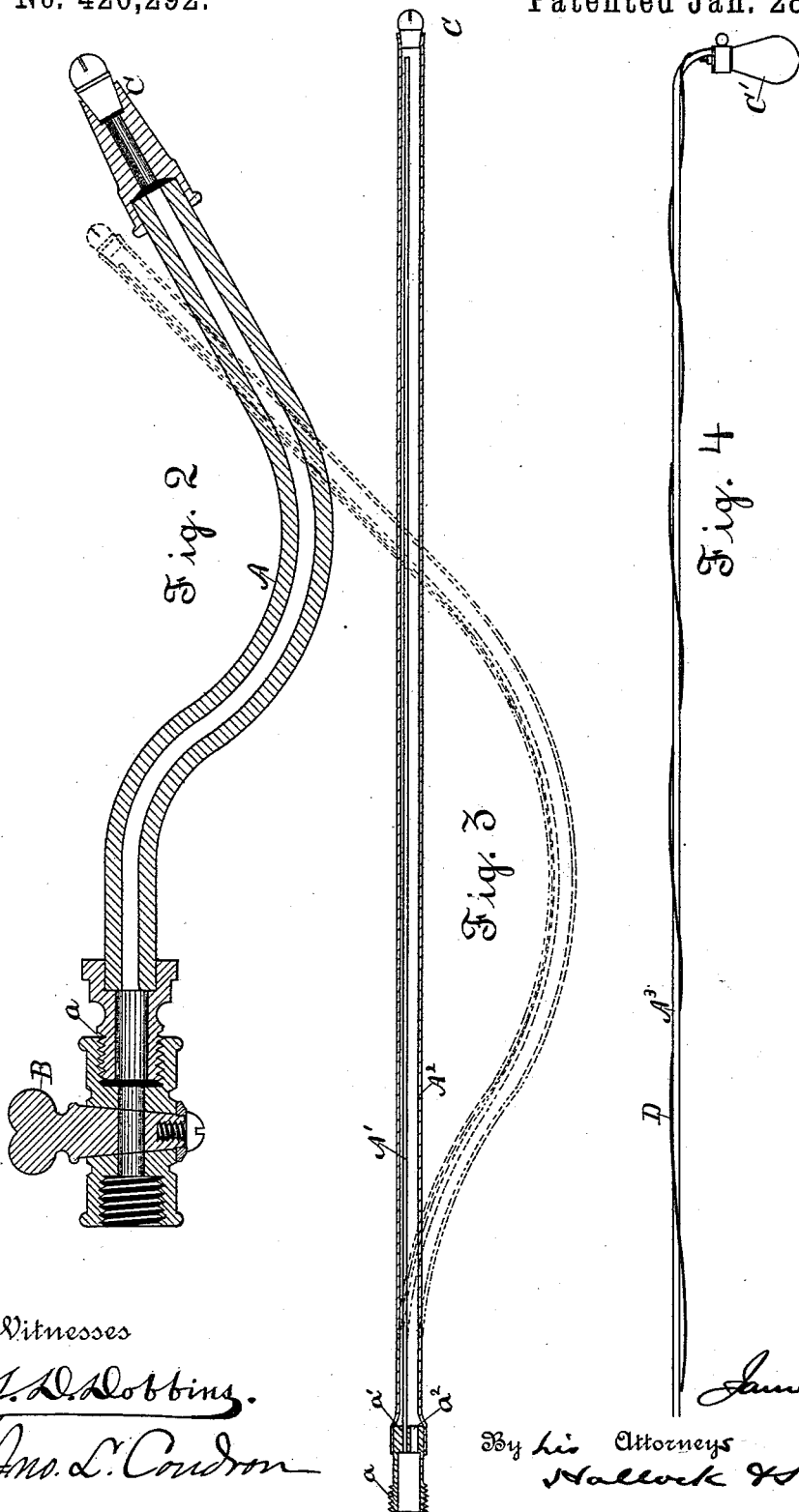
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LIGHT HOLDER.

No. 420,292.

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Witnesses

S. H. Robbins.

Jno. L. Condon

Inventor

James O. Barrett

By his Attorneys

Hallcock & Hallcock

UNITED STATES PATENT OFFICE.

JAMES O. BARRETT, OF MEADVILLE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF
TO FARMAN T. FISH, OF SAME PLACE.

LIGHT-HOLDER.

SPECIFICATION forming part of Letters Patent No. 420,292, dated January 28, 1890.

Application filed January 12, 1889. Serial No. 296,134. (No model.)

To all whom it may concern:

Be it known that I, JAMES O. BARRETT, a citizen of the United States, residing at Meadville, in the county of Crawford and State of Pennsylvania, have invented certain new and useful Improvements in Light-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to means for holding a gas-jet or other light; and it consists in certain improvements in the construction of the same, as will be hereinafter fully set forth and explained, and pointed out in the claims.

The object of my invention is to provide an arm, of flexible and practically non-elastic or non-reacting material, for supporting a gas-jet or electric lamp, whereby the light can be held in various positions, as desired. Such a device is especially useful for holding a light about machinery, where it is necessary to hold it inside of a cylinder or other out-of-the-way place, so that the operator can observe the action of an obscure tool or part of the machine. Jointed gas-fixtures are common for this purpose; but they are often inefficient for the purpose, and flexible tubes are sometimes used, but they are also elastic and have to be held in place when bent abruptly.

My invention is illustrated in the accompanying drawings, as follows:

Figure 1 is a view showing my device in use for holding a light within a steam-engine cylinder when it is being bored out. Fig. 2 is a longitudinal sectional view of my device. Fig. 3 is a like view of an alternative construction. Fig. 4 shows my device in connection with an incandescent electric-light lamp.

The construction is as follows: In Fig. 2, A is a tube of flexible and practically non-elastic metal, such as lead or soft copper. This tube is connected at one end with the gas-burner or nipple C, and at the other end with a screw-threaded plug a, which connects with a common gas-cock B.

In Fig. 3, A' is a rod of soft iron, steel, or copper, or other non-elastic but flexible metal. This rod is supported at a' by being firmly fixed to a plug a, which will screw into a common gas-cock. This plug has an orifice a² parallel with the rod A'. A² is a light rubber tube which fits over the rod A' loosely, so as to allow a passage for gas, and draws tightly over the plug a, and has inserted in its outer end a nipple C. The dotted lines in Fig. 3 show that the arm can be bent in any desired form and will not react. The rubber tube will be sufficiently light to not have enough resiliency to react the rod A'.

In Fig. 4 there is a rod A³ like the rod A' in Fig. 3, around which is wound the electric conductor D, and the lamp C' is supported by the flexible non-elastic rod.

The rods A' and A³ will be of sufficient size to support their own weight and that of the light and the conductor when bent in any desired position.

What I claim as new is—

1. In a light-holder, the combination, with the burner, of an arm of flexible and practically non-elastic or non-reacting material supporting said burner.

2. In a light-holder, the combination, with the burner, of an arm of hollow, flexible, and practically non-elastic or non-reacting material supporting said burner and conveying the lighting agent to the same.

3. In a light-holder, the combination, with the burner, of an arm of flexible and practically non-elastic or non-reacting material supporting said burner, and a conduit or conductor for the lighting agent leading to said burner and supported by said arm.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES O. BARRETT.

Witnesses:

J. N. McCLOSKEY,
ISAAC MONDERAN.