

No. 791,377.

PATENTED MAY 30, 1905.

W. S. STAPLEY.  
STORK NECK FOR GAS TUBES.  
APPLICATION FILED FEB. 25, 1905.

Fig. 1.

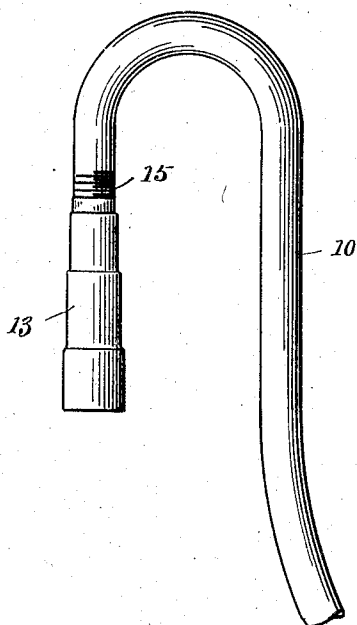


Fig. 2.

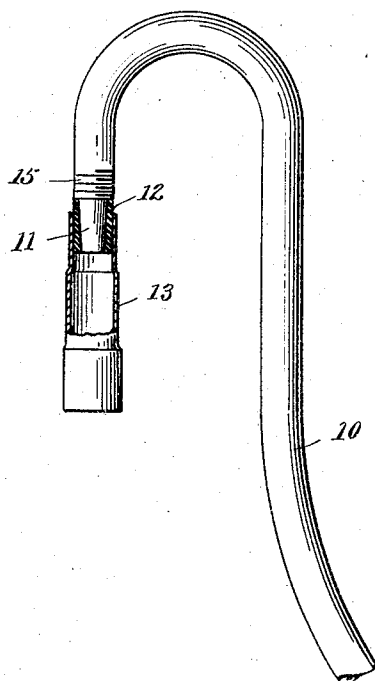


Fig. 3.

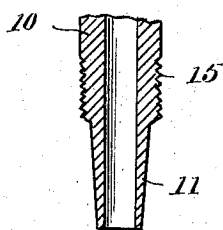


Fig. 4.

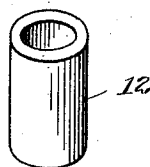
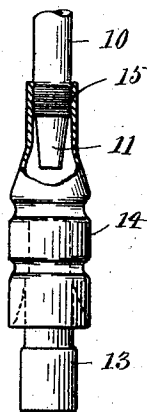


Fig. 5.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## STORKNECK FOR GAS-TUBES.

SPECIFICATION forming part of Letters Patent No. 791,377, dated May 30, 1905.

Application filed February 25, 1905. Serial No. 247,315.

*To all whom it may concern:*

Be it known that I, WILLIAM S. STAPLEY, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented a new and useful Storkneck for Gas-Tubes, of which the following is a specification.

My invention has for its object to provide a "storkneck," so called, for gas-tubes which shall consist simply of a piece of metal tubing bent to shape and having a rubber sleeve on its engaging end and which shall be adapted to engage a gas-pillar internally instead of externally, thereby greatly reducing the cost of construction and providing a device for the purpose required that will be much neater and more graceful in appearance than the more cumbersome and expensive storknecks heretofore in use, will dispense with an additional piece heretofore used and relatively expensive to make, and will effect a non-leaking and more effective engagement with a gas-pillar than the externally-engaging storknecks now on the market.

Heretofore, so far as I am aware, the bodies of storknecks have been connected to gas-pillars by means of an engaging piece which was made separate from and threaded to engage the storkneck, was provided with an enlarged engaging end having an internal rubber packing which was adapted to receive and engage a gas-pillar externally. In order to overcome the objections to this type of storknecks as regards cost of construction, neatness in appearance, and effectiveness of engagement, I have devised the novel storkneck which I will now describe, referring to the accompanying drawings, forming a part of this specification, and using reference characters to indicate the several parts.

Figure 1 is an elevation illustrating my novel storkneck in engagement with a gas-pillar as in use. Fig. 2 is a similar view of the gas-pillar and the engaging end of the storkneck being in section. Fig. 3 is an enlarged detail sectional view of the engaging

end of my novel storkneck with the rubber sleeve removed. Fig. 4 is a perspective of the rubber sleeve detached; and Fig. 5 is a view, partly broken away, showing my novel storkneck in use with an old-style engaging end should that mode of connection with a gas-pillar be preferred for the time being.

10 denotes my novel storkneck, which is made complete from a single piece of metal tubing and the engaging end of which is reduced in diameter, as at 11, and is preferably made tapering, as shown, and 12 denotes a rubber sleeve which closely engages the reduced end of the storkneck and is adapted to pass into the open end of a gas-pillar, as clearly shown in Fig. 2, the gas-pillar being indicated by 13. In order to provide for the use of an old-style engaging end, (indicated by 14 in Fig. 5,) I provide a screw-thread 15 just above the reduced end, which is adapted to be engaged by the usual internal screw-thread of an engaging end, as is clearly shown in Fig. 5.

The operation of my novel storkneck will be obvious from the drawings. The gas-tip, if there is one in the pillar, is removed and the rubber sleeve upon the engaging end of my novel storkneck is passed into the pillar, which it fits closely and effectually prevents the escape of gas. As already stated, my novel storkneck is also adapted to receive an old-style engaging end, as shown in Fig. 5. In practice, however, my novel mode of internal engagement with the gas-pillar will be found so much more effective, easily made, and neat and graceful in appearance that the old-style engaging ends will be promptly discarded.

Having thus described my invention, I claim—

1. A storkneck for gas-tubes having a tapering end substantially smooth externally and adapted to be provided with a rubber sleeve and to enter a gas-pillar, and provided with a threaded portion above the tapering portion to adapt it to be connected with an enlarged engaging end for engaging a pillar externally.

2. A storkneck for gas-tubes having its engaging end reduced to adapt it to pass within a pillar, a rubber sleeve on the reduced end adapted to closely fit the pillar internally and  
5 having a threaded portion above the reduced end to adapt it to receive an enlarged engaging end for engaging a pillar externally.

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

WILLIAM S. STAPLEY.

Witnesses:

AUKER S. LYHUE,  
ARTHUR H. MOORE.