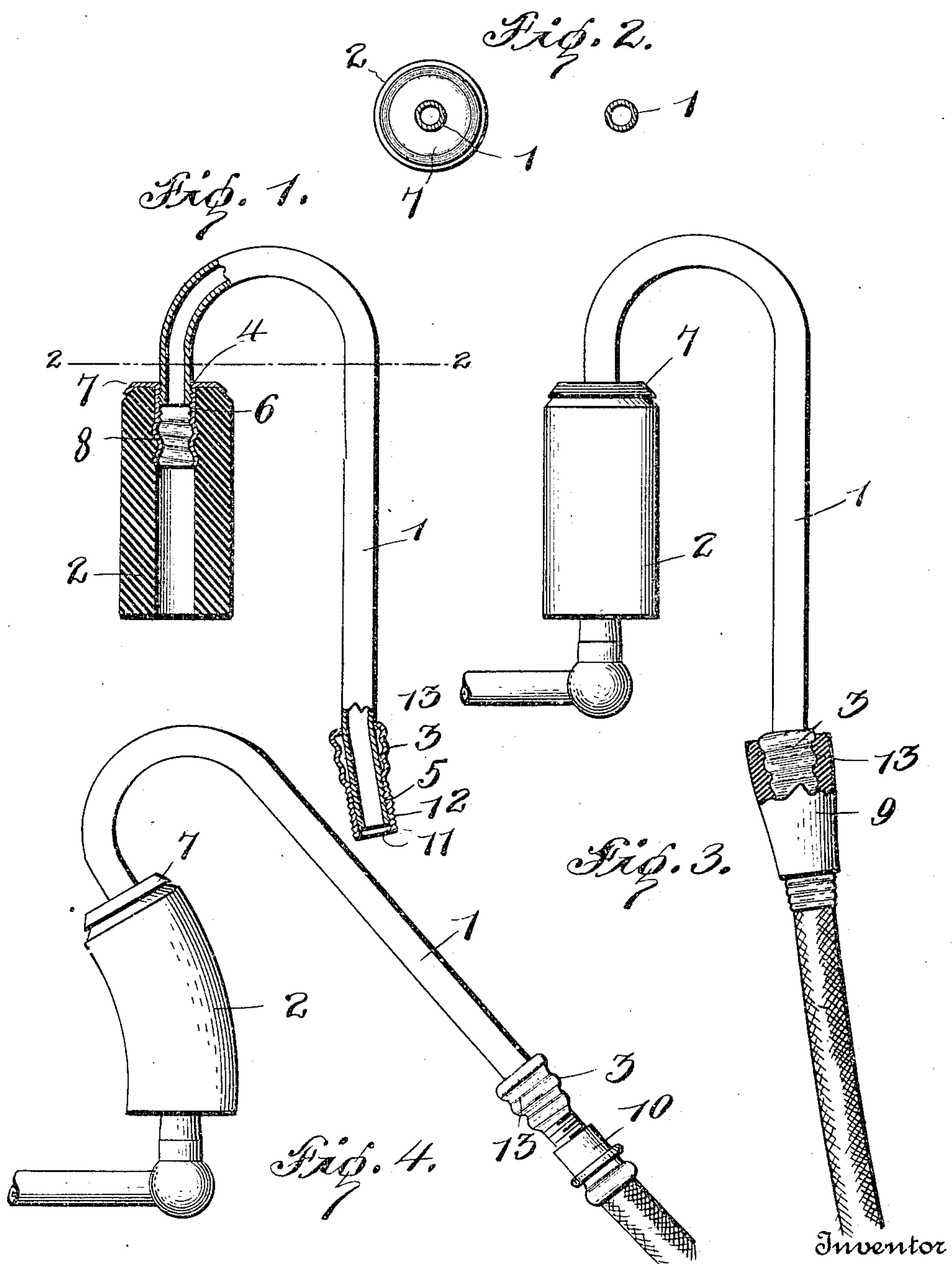


A. W. NICHOLLS.
GOOSENECK CONNECTION.
APPLICATION FILED JAN. 12, 1905.



Witnesses
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UNITED STATES PATENT OFFICE.

ALBERT W. NICHOLLS, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
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GOOSENECK CONNECTION.

SPECIFICATION forming part of Letters Patent No. 787,211, dated April 11, 1905.

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To all whom it may concern:

Be it known that I, ALBERT W. NICHOLLS, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Gooseneck Connections; and I do 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.

My invention relates to improvements in gas-tube connections, and more particularly to a gooseneck connection and a socket therefor.

The object of my invention is to improve and simplify the construction and operation of devices of this character, and thereby render the same less expensive to manufacture and at the same time more durable and convenient in use.

With the above and other objects in view the invention consists in certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a vertical sectional view through a gooseneck connection and its socket constructed in accordance with my invention. Fig. 2 is a transverse sectional view taken on the line 2-2 of Fig. 1, and Figs. 3 and 4 are views showing different applications of my improved connection.

Referring to the drawings by numerals, 1 denotes a gooseneck having at one of its ends a soft-rubber socket 2 and at its other end a combination coupling member or connection 3. The gooseneck 1 is in the form of a metal tube curved or bent, as shown, and having its ends externally screw-threaded, as at 4 and 5. The screw-threads 4 are engaged by similar threads formed in one end of a connecting-tube 6, to which is secured the soft-rubber socket 2. This connecting-tube 6 has at its inner end an annular flange or cap 7, which is engaged by one end of the socket 2, and at the other end of said tube 6 are annular corrugations 8, which serve to retain the socket 2 upon said

tube 6 and in engagement with its flange or cap 7. It will be seen that the soft-rubber socket 2 is thus securely attached to the gooseneck 1 and that there will be little or no danger of these parts leaking or breaking when the gooseneck is turned or twisted, as seen in Fig. 4 of the drawings.

The combination coupling member or connection 3 is adapted to receive either of the connecting devices 9 10, which are shown in Figs. 3 and 4, the connecting device 9 being the usual soft-rubber socket commonly used on tubing attached to gas-stoves and the connecting device 10 being the usual internally-screw-threaded nipple or coupling used on tubing of gas-lamps and the like. The combination device 3 is in the form of a tube internally and externally screw-threaded, as at 11 and 12, at its outer end and formed with annular corrugations 13 at its opposite end, the latter end gradually increasing in diameter, as shown. The internal screw-threads 11 are adapted to engage the threaded end 5 of the gooseneck 1, as shown, and the external screw-threads 12 are adapted to receive the threaded nipple 10, as seen in Fig. 4. The enlarged inner corrugated end 13 of the tube 3 is provided for the purpose of receiving the soft-rubber socket 9, as illustrated in Fig. 2.

The construction, use, and advantages of my invention will be readily understood from the foregoing description, taken in connection with the accompanying drawings.

It will be seen that the device provides a strong and durable connection which will not be liable to leak and to which either of the commonly used coupling devices may be attached.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. The combination of a tube having externally-screw-threaded ends, a socket connection

on one of said ends consisting of an internally-screw-threaded tube formed with corrugations at one of its ends and with an annular flange at its other end, a soft-rubber socket upon said
5 connection and engaged with its flange and its corrugated end, and a combination connection upon the other threaded end consisting of a tube having internal and external screw-threads at its outer end and annular corruga-
10 tions upon its inner end, substantially as described.

2. A socket connection comprising a tube having an externally-screw-threaded end, an internally-screw-threaded connecting-tube
15 screwed upon said end and formed at one end with an annular flange and at its other end with annular corrugations, and a tubular socket of

soft rubber upon said connecting-tube and engaged with its flange and its corrugations.

3. The combination with a tube having an externally-screw-threaded end, of a combination connection upon said end, said connection comprising a cylindrical body having internal and external screw-threads at one of its ends and annular corrugations at its other end, substantially as described.

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

ALBERT W. NICHOLLS.

Witnesses:

L. A. KIRSLING,
J. H. PIRRO.