(No Model.)

T. A. NEELY.

Hose Leak Stop.

No. 234,799. **Patented Nov. 23, 1880.**

FIG. 1.

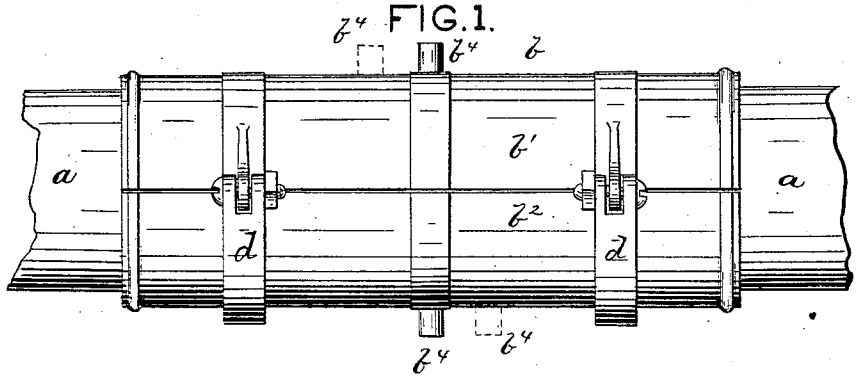


FIG. 2.

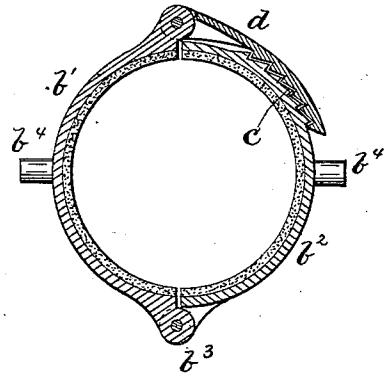
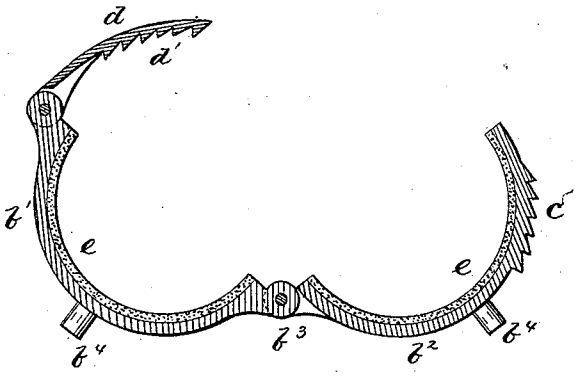


FIG. 3.



Witnesses:
Clement M. Sites
M. M. Lacey

Inventor:
Thaddeus A. Neely
Per R. S. & A. P. Lacey Atty's.

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UNITED STATES PATENT OFFICE.

THADDEUS A. NEELY, OF MUNCIE, INDIANA.

HOSE-LEAK STOP.

SPECIFICATION forming part of Letters Patent No. 234,799, dated November 23, 1880.

Application filed March 26, 1880. (No model.)

To all whom it may concern:

Be it known that I, THAD. A. NEELY, a citizen of the United States, resident at Muncie, in the county of Delaware and State of Indiana, have invented certain new and useful Improvements in Hose-Leak Stops; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention has for its object to provide a convenient and efficient device for stopping leaks in hose; and it consists in the construction and arrangement of the several parts hereinafter described, and pointed out in the claim.

In the drawings, Figure 1 is a side view of my device applied to a hose-pipe. Fig. 2 is a cross-section showing the devices closed and locked, and Fig. 3 is a cross-section showing the device open.

a represents a portion of hose with my device secured thereto. *b* is the hose-leak stopper, composed of the two semicircular jaws b' b^2, hinged together at b^3, and adapted to be closed around the pipe *a*, as shown. The jaws b' b^2 have on their outer sides lugs b^4 b^4, which give the necessary facilities for applying the spanner or other suitable instrument for drawing said jaws tight around the hose. On the jaw b^2 I form the circumferential racks *c c*, which extend about one-eighth around the device, and they have the same curvature as the periphery of the jaw on which they are formed.

d d are pawls, hinged to the jaw b'. The pawls are provided with a number of teeth, d', on their under sides. They have one end hinged to lugs projecting slightly outward from the jaw b', while their opposite or free ends are bent to correspond to and lie snugly against the periphery of the half b^2, and fit over and engage with the racks *c* by means of the teeth d' on their under sides.

When the jaws are closed, as shown in Figs. 1 and 2, the pawls lie so close to the outer periphery and are so firmly locked that they cannot be disengaged by any ordinary handling or rolling over of the hose; nor will the pawls interfere in any wise with the free handling of the hose.

The jaws are lined with an elastic padding, *e*, as shown, which presses close against the hose and perfectly stops the leak.

The device is clamped around the hose by any suitable implement.

I am aware that hose-leak stoppers have been constructed in which there were two jaws hinged together and fastened by a bolt and nut, as appears in the patent to W. C. Davol, Jr., April 30, 1871, and that it is not new to provide said hinged clamping-jaws with handles and fix thereon a pawl-and-ratchet fastening, as appears in the patent to P. H. Collins, April 30, 1867, and I do not claim such constructions as my invention.

What I claim is—

The cylindrical hose-leak stopper hereinbefore described, composed of the jaws b' b^2, having lugs b^4, and hinged together and provided with circumferential racks *c*, formed on and corresponding to the curvature of the periphery of the jaw b^2, the swinging ratchet-pawls d d', hinged to lugs on the jaw b' and bent to correspond to the curvature and lie snugly against the periphery of the jaw b^2, fitting over and engaging with the racks *c*, and the linings *e e*, substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand.

THADDEUS A. NEELY.

Witnesses:

S. O. BUDD,

GEO. W. WATSON.