F. W. WOLF.
Hose-Clamps.

No. 207,469. Patented Aug. 27, 1878.

Fig. 1.

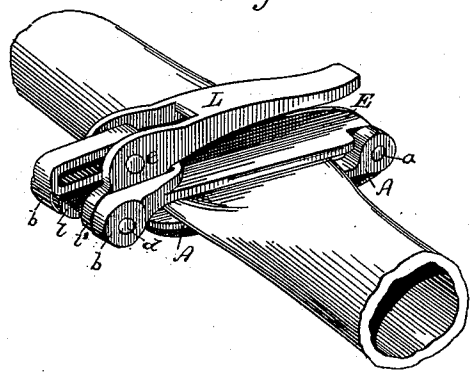


Fig. 2.

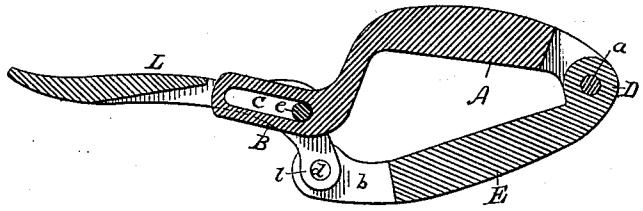
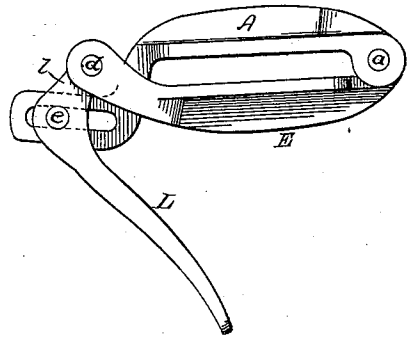


Fig. 3.



Witnesses:

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FREDRICK W. WOLF, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN HOSE-CLAMPS.

Specification forming part of Letters Patent No. **207,469**, dated August 27, 1878; application filed July 13, 1878.

To all whom it may concern:

Be it known that I, FREDRICK W. WOLF, of Chicago, State of Illinois, have invented a new and Improved Hose-Clamp; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the clamp applied to a hose. Fig. 2 is a longitudinal vertical section of the clamp open. Fig. 3 is side elevation of the clamp in the act of closing.

The object of my invention is to provide a cheap, simple, and effective means of closing a hose at any particular point of its length without the intervention of the ordinary faucet or valve, and to apply said clamp so that it may be instantly movable to any portion of the length in the hose; and it consists in two straight stiff clamping-jaws pivoted together, one jaw provided with a slotted projection and the other jaw provided with a cam-lever, having a bearing-point in a slot in the projection of the other jaw, as hereinafter more fully described and claimed.

My invention is particularly applicable in the trades and arts wherever liquids are transported to irregular distances through hose, and where the flow is intermittent and has to be checked from time to time, as in breweries, &c., or in drawing off acids and gases.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is a metallic jaw, provided at one end with an angular extension, B, in which is a longitudinal slot, C, and at the other end is bifurcated to receive shank D of the jaw E. A pivot passes through the bifurcations and shank at *a*. The opposite end of jaw E is bifurcated, and between the bifurcations *b b*, on the studs *d d*, swings an angular cam-lever, L, the lever having two legs, *l l'*, each leg resting upon one of the studs *d*. Through the angle of the lever L passes a bolt, *e*, and in passing from leg *l* to leg *l'* it passes through slot C in projection B of the jaw A, thus leaving the projection B swinging between the legs *l l'* of lever L.

The jaw being open, as seen in Fig. 2, the hose is inserted and lever L moved upward, bolt *e* raising projection B, and with it jaw A, toward jaw E, until bolt *e* passes beyond the dead-point of the lever-support on the studs *d d* and lever L lies close against jaw D, thus locking the jaws together, and compressing the hose, so as to prevent the escape of any liquid or gas.

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

A hose-clamp consisting of two straight pivoted stiff clamping-jaws, A E, in combination with a cam-locking device, substantially as set forth.

FREDRICK W. WOLF.

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