

*Level.*

No. 88606.

*Patented Apr. 6. 1869.*



Witnesses.  
J. W. Hingworth  
Wm. A. Morgan

*Inventor.*  
*John Bryant*  
*per Messrs*  
*Attorneys.*

# United States Patent Office.

JOHN BRYANT, OF AKRON, INDIANA, ASSIGNOR TO HIMSELF AND  
ALLEN L. BAILEY, OF THE SAME PLACE.

*Letters Patent No. 88,606, dated April 6, 1869.*

## IMPROVED LINE-HOLDER

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, JOHN BRYANT, of Akron, in the county of Fulton, and State of Indiana, have invented a new and useful Improvement in Plumb, Level, and Guide-Line Holder; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to new and useful improvements in an instrument or apparatus for plumbing and levelling for various purposes; and

It consists in the construction and arrangement of parts as hereinafter described.

Figure 1 represents a top view of the instrument or apparatus as applied for obtaining a level.

Figure 2 is a cross-section of fig. 1, through the line *x x*.

Similar letters of reference indicate corresponding parts.

This instrument consists of two jaws, A and B, which have rigidly attached to them rods or bars C and D, which stand perpendicular thereto.

Each bar has a plumb-line attached to it near its top end, which lines are marked E.

They are connected so that when they hang parallel with the bars, the bars are plumb, and the sight *f*, on the jaw A, is brought in range with the two sights *g g* on the jaw B.

The line H, by which the two jaws are connected, is level, as would also be the upper sides of the jaws.

In applying the jaws for levelling a foundation, a frame, mason-work, or surface in any situation, the shoulders J of the jaws are placed on the angle of any fixed object, as seen in the drawing when they are drawn towards each other by turning the cylinder or drum K, around which the cord H is wound.

On the drum-shaft there is a ratchet-wheel, L, and on the jaw A there is a pawl, *m*, which engages with the teeth of the ratchet, and thereby holds the cord taut and the jaws in position after they have been made level by plumbing the bars C D, and sighting from *f* to *g g*, as before mentioned.

It will be seen that in laying up brick walls, or walls of stone, the work may at all times be kept level, and the corners plumb, by the use of this apparatus.

I claim as new, and desire to secure by Letters Patent—

The jaws A B, bars C D, cord H, plumb-lines E E, drum K, and ratchet and pawl L M, combined and arranged substantially as and for the purpose herein shown and described.

JOHN BRYANT.

Witnesses:

JOHN H. BALL,  
ALBERT SIPPY.