

(No Model.)

H. A. KOEHLER.

LINE HOLDER FOR BRICK AND STONE MASONS.

No. 461,021.

Patented Oct. 13, 1891.

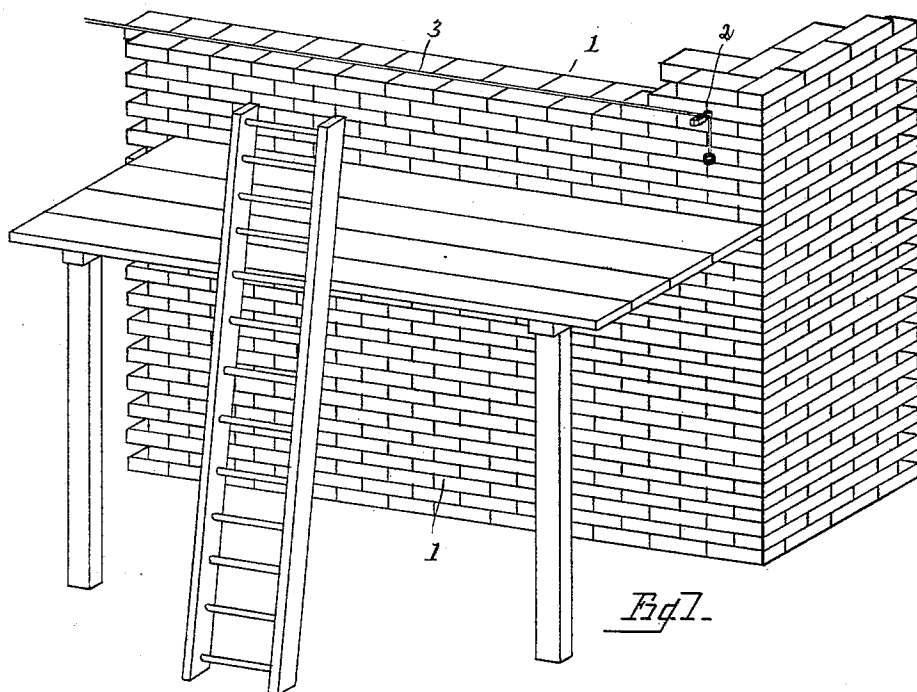


Fig. 1.

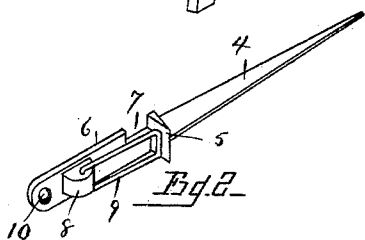


Fig. 2.

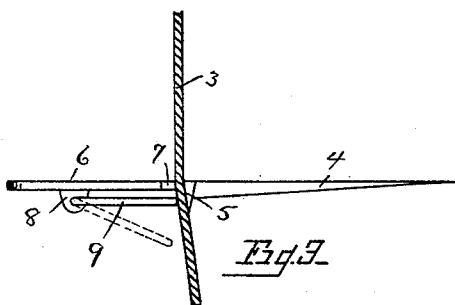


Fig. 3.

WITNESSES

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LINE-HOLDER FOR BRICK AND STONE MASONS.

SPECIFICATION forming part of Letters Patent No. 461,021, dated October 13, 1891.

Application filed March 14, 1891. Serial No. 385,015. (No model.)

To all whom it may concern:

Be it known that I, HERMAN A. KOEHLER, of Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Line-Holders for Brick and Stone Masons; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 the figures of reference marked thereon, which form part of this specification.

My invention relates to a line-holder for brick and stone masons, being designed for use as a convenient tool for holding the line to the wall as a guide to the mason in laying a layer of brick or stone.

The object of the invention is to provide an inexpensive and easily-adjusted line-holder having means for radially securing the line therein or releasing the same therefrom.

The invention consists in the parts and combination of parts hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a portion of wall in course of erection, the line being shown as held in position by being secured in a line-holder. Fig. 2 is an isometric view of the line-holder. Fig. 3 is a side view of the same, showing in full lines the line secured therein and in dotted lines the clamp moved to release the line.

As is well known, in building a wall it is necessary not only that the same be plumb, but that each layer of masonry shall be in a true horizontal line. This result is accomplished by means of a line drawn taut horizontally from one end of the wall to the other at a height from the top of the last layer corresponding to the height of the next layer to be placed thereon.

My invention comprehends a line-holder in which the line can be not only held therein as tightly as desired, but so constructed that the line can be readily released therefrom.

1 designates a section of wall, in which is secured a line-holder 2, having a line 3 secured therein. The line-holder 2 is formed of a shank 4, preferably triangular in cross-

section and of a length to allow forcing the same into the wall a sufficient distance to hold the line-holder firmly from lateral movement.

5 designates a shoulder upon the shank adapted to contact upon one side with the wall to limit the distance the shank shall be inserted therein, the opposite side of the shoulder being preferably slightly inclined from the rear side of the line-holder to the front, for a purpose hereinafter stated. From the shoulder 5 there extends an integral plate 6, having a rectangular recess 7 formed in the side, the lower portion of the recess being coincident with the upper face of the shoulder.

8 designates a transversely-perforated enlargement formed on the front side of the plate 6, from which is suspended a clamp 9 of a length, when lying parallel with the plate, to nearly contact with the upper face of shoulder 5, whereby when the line 3 is placed in the recess and rests upon the shoulder the clamp will impinge so tightly upon the line as to hold the same from slipping.

The plate is provided with a perforation 10 to allow of securing a string thereto to be fastened either to the wall or scaffolding to prevent the line-holder from accidentally falling to the ground.

In operation, the usual "lead" being erected at each end of the wall, the line-holder is forced into the space between the wall and lead layer desired. The line is now drawn across the side of the wall and through recess 7. Clamp 9 is now forced to a plane parallel with the plate 6, contacting with the line at the outer inclination of the shoulder, and as the clamp is forced toward the plate it impinges upon the line sufficiently to hold the same firmly.

When it is desired to release the line, it is only necessary to pull upon the free end of the same, thereby causing the clamp to swing outwardly, as shown in dotted lines, Fig. 3.

The device is inexpensive, convenient, and prevents the injury to the line incident to winding the same around a nail or spike, as is usual.

What I claim is—

1. A line-holder formed with a pointed shank, a shoulder projecting therefrom, and

a clamp pivotally secured to the line-holder and of a length to impinge upon the line when resting upon the shoulder.

2. A line-holder comprising a recessed plate, an integral shank, a shoulder portion intermediate the shank and plate, and a clamp pivotally secured upon the plate.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

HERMAN A. KOEHLER.

Witnesses:

WILLIAM WEBSTER,
CARROLL J. WEBSTER.