

(No Model.)

E. N. HYSER.
GAGE LINE HOLDER.

No. 468,660.

Patented Feb. 9, 1892.

Fig. 1.

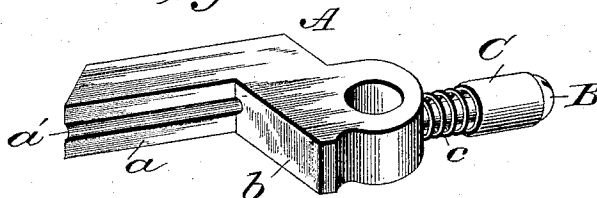


Fig. 2.

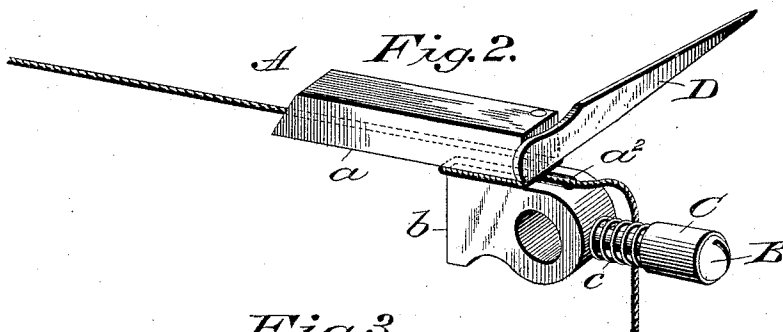


Fig. 3.

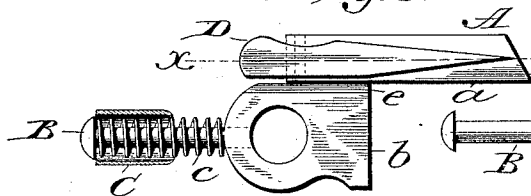


Fig. 4.

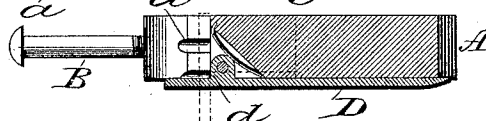
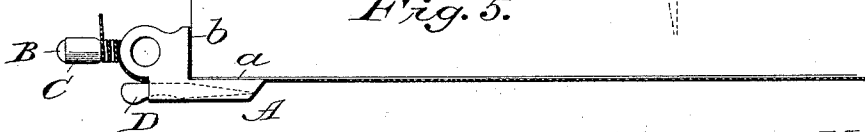
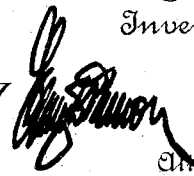


Fig. 5.



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Witnesses L. S. Elliott
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by 
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UNITED STATES PATENT OFFICE.

EDWARD N. HYSER, OF BOSTON, MASSACHUSETTS.

GAGE-LINE HOLDER.

SPECIFICATION forming part of Letters Patent No. 468,660, dated February 9, 1892.

Application filed August 13, 1891. Serial No. 402,549. (No model.)

To all whom it may concern:

Be it known that I, EDWARD N. HYSER, a citizen of the United States of America, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Gage-Line Holders; 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 relates to improvements in gage-line holders, and is designed more especially for the use of masons or bricklayers.

The object of the invention is to provide a simple, cheap, and effective device for holding the gage-line in position without in any way effacing the joints of the work; and it consists in a block having a right-angular recess one of the walls of which is grooved and the block apertured for the passage of the gage-line, said block being provided with a pivoted arm adapted to be projected at right angles and with a pin to which the gage-line may be made fast, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of the gage-line holder. Fig. 2 is a perspective view showing the line in position and the arm projected. Fig. 3 is a side elevation. Fig. 4 is a sectional view on the line $x x$ of Fig. 3, and Fig. 5 is a diagram view showing the application of my improvement to a wall, the line being held in a horizontal position.

A refers to a block, which may be of any suitable material, preferably malleable iron or cast-steel, and is provided with faces a and b , which are at right angles with each other. The face a is provided with a groove or recess a' , which joins with a perforation or aperture extending through the body portion of the block and terminating in a groove a^2 , located above the pin or bolt B, said pin being secured to the block at right angles with the face b . The block is cut away as much as possible to reduce the weight of the de-

vice. The pin or bolt B is encircled by a helical spring c , which is preferably of less diameter than the head of the bolt, and over a portion of said spring a tubular slide C is adapted to be located, so that when the device is in use the unused portion of the spring will not be liable to be filled with mortar or foreign substance. The slide has one end upset, so that it cannot become detached from the pin B.

In using the device hereinbefore described one of them is used at each end of the line and the faces a and b placed in contact with the edges or corners of the wall, the gage-line being drawn taut and made secure by wrapping it around the pin between the coils of the spring. The tension upon the gage-line is sufficient to hold the devices in place, and they can be raised and lowered as the work proceeds without again adjusting the line.

The block A carries on one side an arm D, which has a perforated offset d , through which a suitable pintle passes for securing the same to the block, and with said offset a spring engages to hold the arm either flat against the side of the block or at right angles therewith. The arm is pointed and made of hard metal, and when turned at right angles to the block the short end of the same will extend a slight distance beyond the block, so that said pin can be driven between the joints of masonry work. This arm is intended to be used in connection with my device in such brick-work as projects or in work between pilasters or recesses. Immediately beneath the arm D the side of the block is provided with a recess e , in which a portion of the gage-line will lie when wrapped around the block, as shown in Fig. 2.

This device is extremely simple and effective in operation and saves much time and labor.

Having thus described my invention, I do not wish to limit myself to the precise form of construction shown, as the same may be modified within the scope of my invention; but

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

1. The combination, in a gage-line holder, of a block having faces a and b at right an-

gles with each other, an aperture through which the gage-line passes, and a pin to which said gage-line is adapted to be made fast, said pin being encircled by a helical spring or
5 coiled wire, substantially as shown.

2. The combination, in a gage-line holder, of a block constructed substantially as shown and provided with a pin with which the gage-line is adapted to be made fast, said pin being
10 encircled by a helical spring, and a covering adapted to move over the same and secured to the bolt, for the purpose set forth.

3. In combination with a gage-line holder constructed substantially as shown, the pointed
15 arm D, pivoted adjacent to one corner of the block, said arm having an extended end, which is adapted, when the arm is projected, to abut against one of the ends of the blocks so as to be held at right angles with the

straight face of the block, substantially as shown, and for the purpose set forth.

4. As an improved article of manufacture, a gage-line holder consisting of a block A, having faces *a* and *b* at right angles with each other, recesses *a'* and *a''* on a line with each other, and a recess *e* in the face of the block and on a line and to one side of the recess *a'*, an arm D, pivoted to the gage-block, and a pin for securing the free end of the gage-line thereto, substantially as shown, and for the
25 purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD N. HYSER.

Witnesses:

E. W. JOHNSON,
H. L. BEALL.