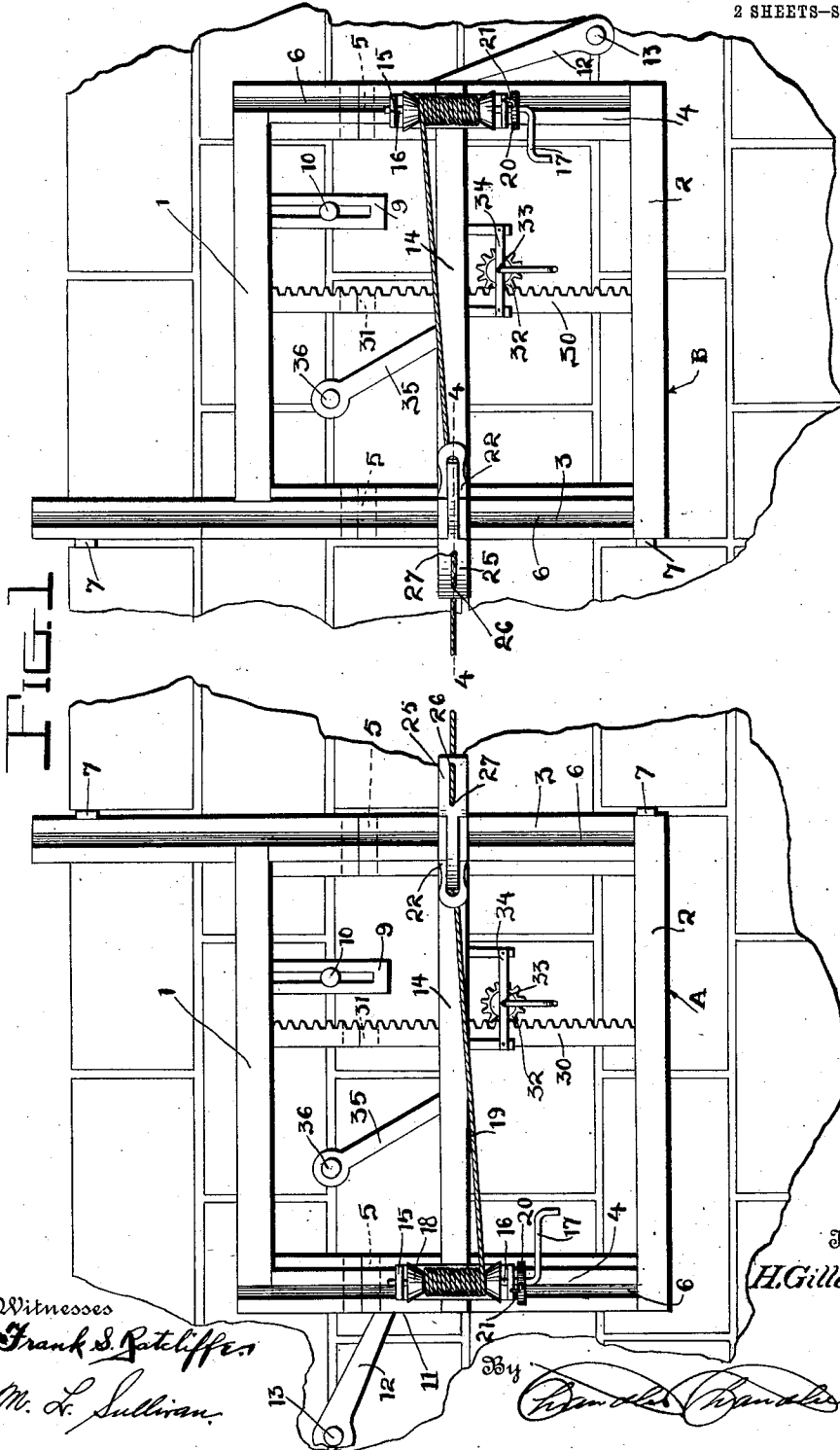


H. GILLETTE.
BRICKLAYER'S LINE HOLDER.
APPLICATION FILED SEPT. 11, 1911.

1,021,406.

Patented Mar. 26, 1912.

2 SHEETS—SHEET 1.



Witnesses

Frank S. Ratcliff

M. L. Sullivan

Inventor

H. Gillette.

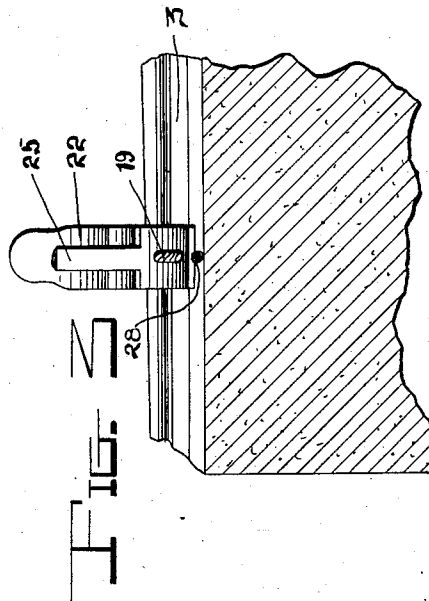
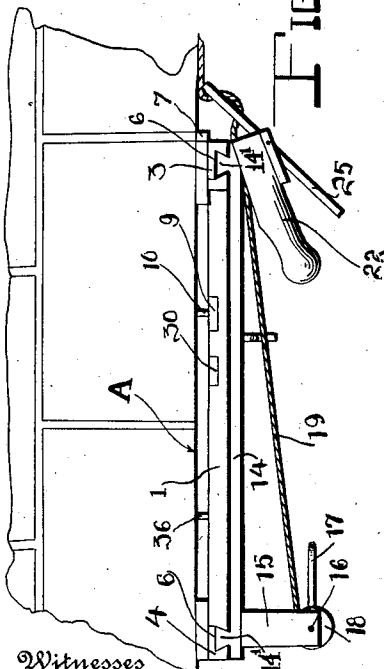
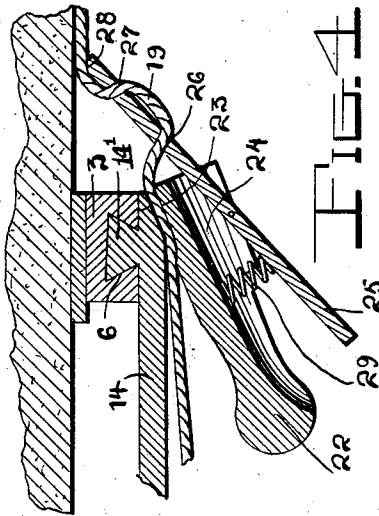
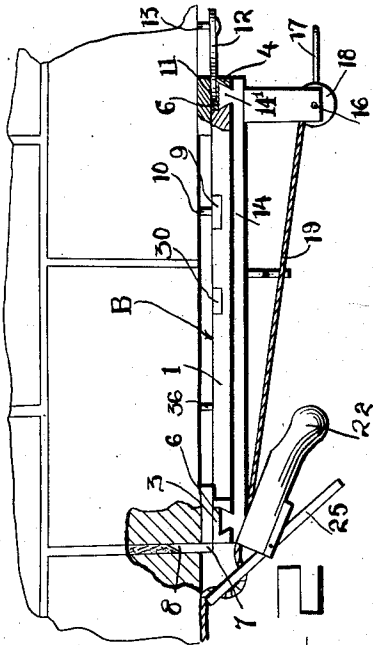
Attorney

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2 SHEETS-SHEET 2.



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M. L. Sullivan.

Inventor

H. Gillette.

By

Signature of Attorney

Attorney

UNITED STATES PATENT OFFICE.

HENRY GILLETTE, OF BELPRE, KANSAS.

BRICKLAYER'S LINE-HOLDER.

1,021,406.

Specification of Letters Patent.

Patented Mar. 26, 1912.

Application filed September 11, 1911. Serial No. 648,750.

To all whom it may concern:

Be it known that I, HENRY GILLETTE, a citizen of the United States, residing at Belpre, in the county of Edwards, State of Kansas, have invented certain new and useful Improvements in Bricklayers' 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.

My invention relates to new and useful improvements in line holders for brick layers and the like, and the object of my invention is to improve the construction and increase the efficiency of devices of the above described character.

A further object of my invention is the provision of a line holder which may be readily attached to the wall of a building under construction and which is provided with a reel for holding the line under tension irrespective of the amount of line in use, and a still further object of my invention is to provide a device adapted to firmly hold the line against the wall of the building in place of holding it spaced therefrom as is now the common practice.

With these and other objects in view, my invention will be more fully described, illustrated in the accompanying drawing which show a preferred embodiment thereof and then specifically pointed out in the accompanying claims which are attached to and form a part of this application.

In the accompanying drawings, Figure 1 is a side elevation showing portions of a partially constructed wall with my improved line holder device applied thereto. Fig. 2 is a top plan view of the same. Fig. 3 is an end elevation of one of the line holding members. Fig. 4 is a detail sectional view of the line holder proper taken on the line 4-4 of Fig. 1.

Referring more specifically to the drawings, in which similar reference numerals designate corresponding parts throughout, my improved device will be seen to consist of two parts designated as a whole by the letters A and B. As these parts are identical in construction and operation, a description of one will suffice for both.

As shown in Figs. 1 to 3 of the drawings part A consists of a substantially rectangular shaped frame having top and bot-

tom members 1 and 2 and side members 3 and 4 respectively, each of the side members being provided intermediate its length with a hinged joint 5 by means of which the device may be folded to occupy less space when packed in the tool box. The upper end of the side member 3 as shown is extended beyond the top member 1 and both of these side members are provided throughout their length with longitudinally extending grooves 6, said grooves being parallel to each other and preferably open at their upper end and closed at their lower end by the bottom member 2 as shown. Secured upon the outer face of the side member 3 and adjacent either end thereof are plates 7 which extend rearwardly beyond the side member and terminate in wedge members 8 adapted to be inserted in the space between adjacent bricks in the wall and to thus hold the frame in position. As additional means for holding the frame in position I have provided a slotted plate 9 which is secured by one end to the top of the frame and which extends downwardly between the side members and slidably mounted in the slot of this plate is a pin the point of which is also adapted to be inserted between bricks. The outer face of the side member 4 is slotted intermediate its length as at 11 and pivotably mounted in the recess thus formed is a swinging arm 12 the free end of which is provided with a second pin 13 also adapted for engagement with the wall. It will of course be understood all of these fastening devices are not necessarily employed at the same time but I have provided a number of different fastening devices, differently positioned and adjustable in different ways in order to always insure being able to fasten the frame at two or more points at the same time. Extending transversely across this frame work is the adjustable portion 14 of my device the ends of which as shown are provided with rearwardly extending ribs 14' slidable in the grooves 6 of the side members 3 and 4 whereby the transverse member 14 is free for vertical movement and at the same time is held against all swinging movement with respect to the frame.

That end of the member 14 which engages with the side portion 4 of the frame is provided with outwardly extending sides 15 and extending transversely between these

sides and journaled in suitable apertures formed therein is a shaft 16 one end of which extends beyond one of the sides 15 and is provided with a hand crank 17. 5 Keyed or otherwise secured upon that portion of the shaft secured between the sides 15 is a winding drum 18 to which is attached one end of the cord 19 the other end of which is attached to a similar drum upon the member B. 10 Keyed to the shaft 16 and adjacent one of the sides 15 is a ratchet wheel 20 and pivoted to the side and adapted to coact with this ratchet wheel is a pawl 21 whereby the cord may be held in tightened position. 15 Secured to the other end of the transverse member 14 is the cord holder proper which as shown, consists of a body member 22 which extends back over the transverse member and at an acute angle thereto and extending through the base portion of this body member is a bore 23 through which the cord is passed. 20 The outer face of this body member is grooved longitudinally as shown at 24 and pivoted between the sides formed by this groove and adjacent the body member which is attached to the member 14 is an arm 25 one end of which extends in advance of the side member 3 and is provided with alined bores 26 and 27 through which the cord is threaded, the cord being passed outwardly through the first of these bores, then inwardly through the second and finally passing through a groove 28 formed in the end of the arm 25. 25 This arm is normally held with its grooved end in close engagement with the wall as shown, by means of a helical expansion spring 29 which is secured within the groove 24 of the body member and which bears against the arm 25 at a point rearward of its pivotal point. 30

As will be readily seen by referring to the drawings this cord holder proper serves to hold the cord in close engagement against the wall, and in operation the arm 25 is pressed inwardly to raise the grooved end 28 and the cord is drawn taut by means of the drum 18. The arm 25 is then released and the force of the spring swings the grooved end against the wall thereby tightening the cord between the members A and B. 35

As a means for raising and lowering the transverse member 14 to adjust the line or cord in proper position I have provided a rack bar 30 the ends of which are secured to the members 1 and 2 and which extends in parallel spaced relation to the members 3 and 4 and this bar is provided intermediate its length with a hinged joint 31 in alinement with the hinged joints of the side members to permit its being folded therewith. A gear 32 coacts with this rack and as shown this gear is mounted upon a stub shaft 33 carried by a U-shaped extension 34 40 which is preferably formed integrally with

the member 14. As a means for supporting the transverse member 14 in adjusted position I have provided a swinging arm 35 one end of which is pivoted to the member 14 and the other end of which is provided with a rearwardly extending pin 36 adapted to engage in the space between adjacent bricks of the wall. 70

The above described device may be constructed of wood or any desired material but is preferably constructed of some light non-corrodible metal. 75

In operation the device is applied to the wall as best shown in Fig. 1 of the drawings with the member A adjacent one end of the wall and the member B adjacent the other end. The transverse members 14 are then adjusted to bring the cord into proper position when the cord is tightened by means of the drums and the cord holding members. 80 If desired the member B may be constructed without the drum, a simple hook adapted to engage one end of the cord being substituted therefor. I prefer however to construct both members alike in order to permit of tightening of the cord from either end. 85 90

It will of course be understood that minor changes in details of construction may be made if desired, without in the slightest degree departing from the spirit of my invention. 95

What I claim is:—

1. A device of the character described, comprising a rectangular body member including top, bottom and side members, a rack bar carried by said top and bottom members and parallel to the side members, said side members and rack bar being each provided intermediate their length with a hinged joint, a transverse member slidable vertically upon said body member and provided with a gear coacting with said rack, a winding drum carried by one end of said transverse member, a cord holder carried by the other end of said transverse member and provided with alined apertures, and a cord secured by one end to said winding drum and with its other end threaded through the apertures of said cord holder. 100 105 110 115

2. A device of the character described, comprising a rectangular frame member, means for securing said frame member to the wall of a building, the sides of said frame member being grooved, a transverse member having rearwardly extending ribs engaging with said grooves whereby the transverse member is slidably mounted for vertical movement upon the frame, a winding drum carried by one end of said transverse member, a cord holder carried by the other end of said transverse member, said cord holder comprising a body member having a cord receiving aperture, an arm pivoted to said body member and having alined 120 125 130

cord receiving apertures, a spring coacting
between said body member an arm to hold
the outer end of the latter against the wall
and a cord secured by one end to the wind-
5 ing drum and having its other end threaded
through the cord receiving apertures of the
cord holder.

In testimony whereof, I affix my signa-
ture, in presence of two witnesses.

HENRY GILLETTE.

Witnesses:

CLOID G. SPRIGG,
GOTTFRIED F. SKALSKY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."