Jan. 20, 1953 L. S. SPALLONE 2,625,816

MASONRY POINTING TOOL

Filed June 6, 1951

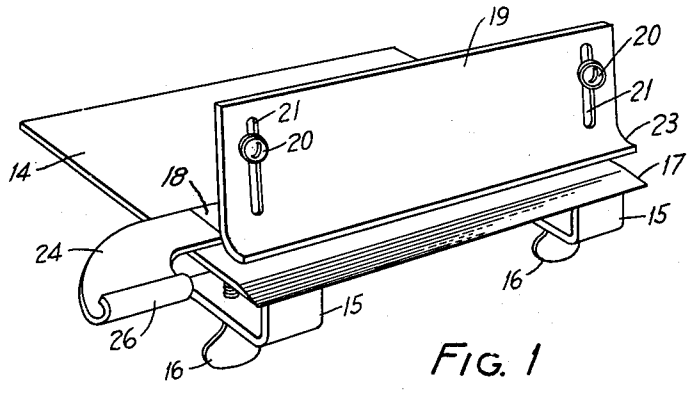


FIG. 1

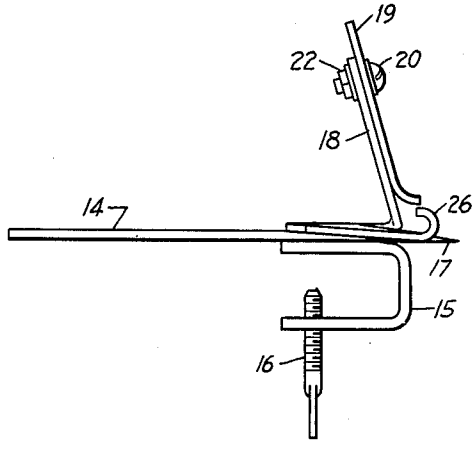


FIG. 2

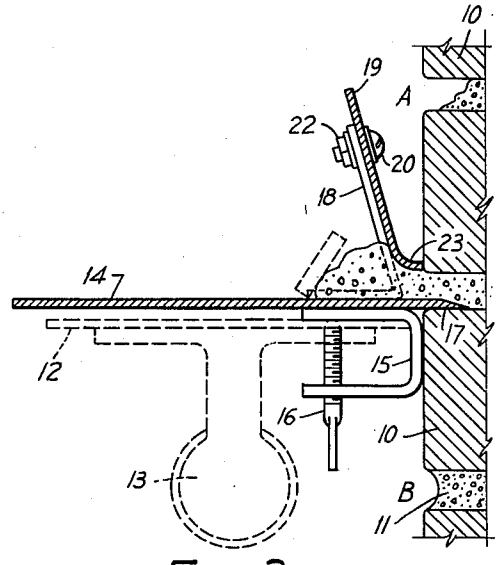


FIG. 3

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Patented Jan. 20, 1953 2,625,816

UNITED STATES PATENT OFFICE

2,625,816

MASONRY POINTING TOOL

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Application June 6, 1951, Serial No. 230,143

3 Claims. (Cl. 72—138)

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This invention relates to a masonry pointing tool, and has for its principal object the provision of a neat, simple, economical, and easily used device which may be detachably secured to a mason's trowel, pallet, or mortar board, and which can be used for accurately filling the joints in masonry work without waste of mortar and without defacing the masonry.

Other objects and advantages reside in the detail construction of the invention, which is designed for simplicity, economy, and efficiency. These will become more apparent from the following description.

In the following detailed description of the invention, reference is had to the accompanying drawing which forms a part hereof. Like numerals refer to like parts in all views of the drawing and throughout the description.

In the drawing:

Fig. 1 is a perspective view of the improved masonry pointing tool;

Fig. 2 is an end view thereof; and

Fig. 3 is a cross-section therethrough, illustrating the tool in use.

In the drawing a fragmentary portion of a brick wall has been indicated in section in Fig. 3, with the bricks designated by the numeral 10 and the intervening joint mortar at 11. In this view a masonry joint in need of repair is indicated at "A," and a joint repaired by this improved tool is illustrated at "B." A conventional masonry trowel is illustrated at 12, with its handle at 13.

The improved masonry pointing tool employs a flat, rectangular bed plate 14 provided with C-clamps 15 having thumb-actuated clamp screws 16. The clamps 15 are secured to the bottom of the plate 14 in any desired manner, such as by welding them thereto, and are spaced rearwardly from the front edge of the plate 14 to provide a projecting-forward, lower lip 17 on the plate 14.

Two angle brackets 18 are welded or otherwise secured to the top of the bed plate 14 over the C-clamps 15. The angle brackets 18 are inclined rearwardly to form an acute angle with the plane of the bed plate 14, and are designed to support an inclined front plate 19.

The front plate 19 is secured to the brackets 18 by means of suitable clamp bolts 20 which extend through vertically slotted openings 21 in the front plate 19, and through suitable openings in the brackets 18, where they terminate in clamp nuts 22. The lower edge of the front plate 19 is arcuately bent so as to form a forwardly extending upper lip 23 in spaced, parallel relation with the lower lip 17.

A joint pointing device 24 is secured to the bed plate 19 in any desired manner, such as by welding, and extends outwardly to one side of the front plate 19, thence downwardly, terminating in a rounded, tubular extremity 26 which aligns with the open space between the lower and upper lips 17 and 23, respectively.

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In use, the front plate 19 is adjusted through the medium of the bolts 20 and the slots 21 so that the spacing of the lips 17 and 23 will correspond to the width of the particular mortar joint upon which the tool is to be used. The bolts 20 are then tightened to fixedly secure the front plate in place, and the entire device is clamped to the edge of the masonry trowel 12 by means of the clamp screws 16, as shown in Fig. 3.

Mortar is then placed on the bed plate 14 and the lower lip 17 is inserted in the bottom of the open mortar joint between the bricks 10 until the upper lip contacts the upper brick, as shown in Fig. 3. The mortar is then forced forwardly against the front plate 19 by means of any suitable tool, as indicated at 25, causing the mortar to exude between the lips into the mortar joint. When the joint is filled, the lips are swung from the joint, and the pointing member 26 is drawn along the soft mortar to form a finished, sunken joint, as shown at "B" in Fig. 3.

While a specific form of the improvement has been described and illustrated herein, it is to be understood that the same may be varied, within the scope of the appended claims, without departing from the spirit of the invention.

Having thus described the invention, what is claimed and desired secured by Letters Patent is:

1. A masonry pointing tool comprising: a flat bed plate; bracket members mounted on said bed plate adjacent the front edge thereof; a front plate mounted on said bracket members and having its lower edge in parallel, spaced relation to the front edge of said bed plate; a forwardly projecting lip along the lower edge of the front plate in parallel relation to the front edge of the bed plate, said front plate being inclined rearwardly from a perpendicular position to form an acute angle with the plane of the bed plate; and clamps mounted on the bottom of said bed plate for securing the latter to any desired supporting tool.

2. A masonry pointing tool as described in claim 1 having a pointing member supported from one of said plates; and a rounded extremity on said pointing member positioned in alignment with the space between the two plates.

3. A masonry pointing tool as described in claim 1 having a pointing member supported from one of said plates; and a rounded extremity on said pointing member positioned in alignment with the space between the two plates.

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