J. W. DENTON.

TROWEL.

APPLICATION FILED AUG. 17, 1908.

922,676. Patented May 25, 1909.

Fig. 1.

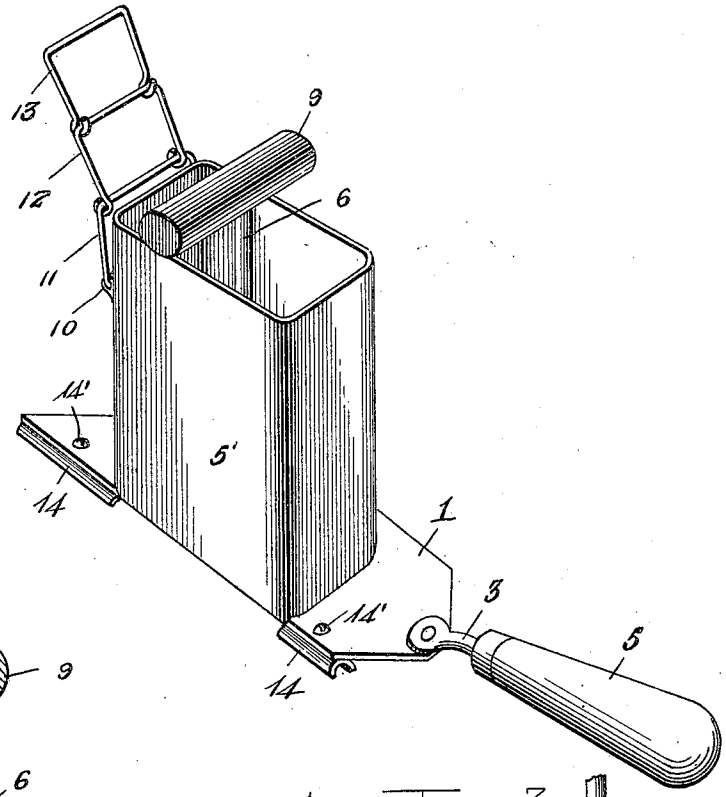


Fig. 2.

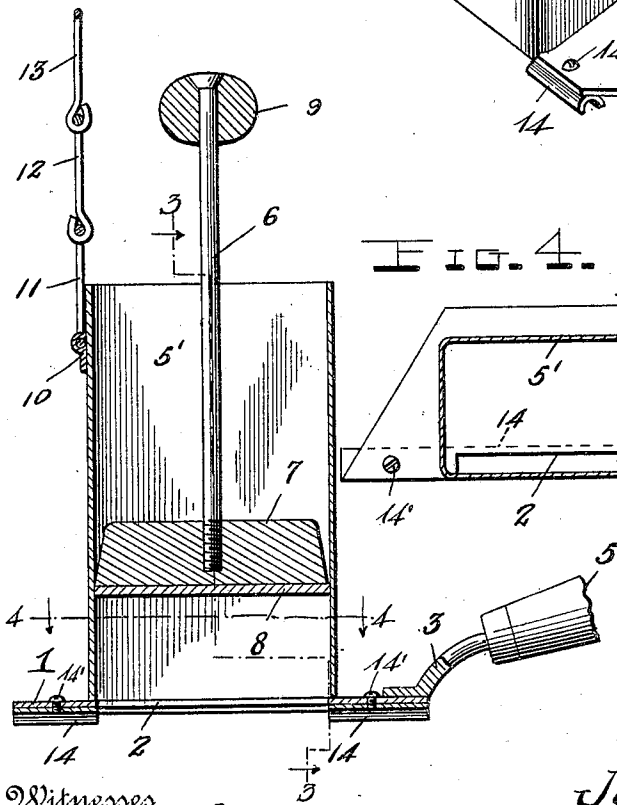
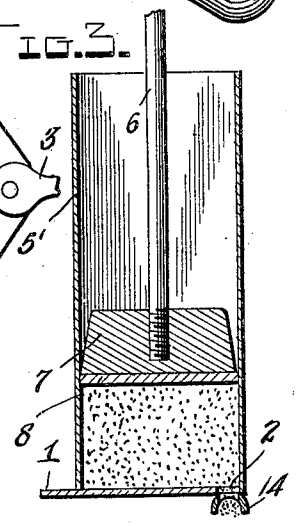


Fig. 4.

Fig. 3.



Witnesses

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TROWEL.

No. 922,676. Specification of Letters Patent. Patented May 25, 1909.

Application filed August 17, 1908. Serial No. 448,851.

To all whom it may concern:

Be it known that I, JARRETT W. DENTON, a citizen of the United States, residing at Owensboro, in the county of Daviess and State of Kentucky, have invented certain new and useful Improvements in Trowels; and I do 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.

This invention relates to new and useful improvements in trowels and particularly contemplates the construction of a trowel provided with means for feeding mortar thereto.

One of the objects of this invention is to construct a trowel provided with means for feeding mortar thereto adapted to be used for filling the spaces between bricks of old buildings or for finishing the joints of bricks of new buildings.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved trowel; Fig. 2 is a vertical sectional view thereof; Fig. 3 is a horizontal sectional view. Fig. 4 is a sectional view taken on the line 4—4 of Fig. 2.

In the drawings, the numeral 1 designates a trowel formed with a slot 2 on its longer side. A handle stem 3 is secured to one end of the trowel and extends at an angle therefrom and said stem is provided with a suitable handle 5 which is mounted thereon. A housing or hopper 5′ is mounted on the trowel 1 and is preferably formed with an open end. A plunger rod 6 provided with an enlarged head 7 having a face 8 of leather or rubber which is positioned on one end of the rod and a handle 9 which is positioned on the opposite end of the rod, is slidable in the hopper 5′ which cylinder or housing is adapted to contain a supply of mortar or similar material.

A stop 10 is secured to one side of the hopper 5′ and a link 11 is movable on the stop 10. The link 11 is connected to links 12 and 13 which are adapted to be grasped by the fingers of the operator to enable the operator to exert additional pressure on the handle, 9, of the plunger rod, 6, to attain greater speed and efficiency in his work.

When it is desired to employ my improved trowel for finishing brick work, the hopper 5′ is supplied with a quantity of mortar or similar material and the trowel face placed in correct position on the bricks to be finished and the plunger rod 6 forced inwardly in the hopper 5′ so that the mortar or other material contained therein will be forced through slot 2 and against the bricks to be finished. The slot 2 is preferably equal in width to the average width of the space between two bricks and approximately equal in length to the longer edges of a brick end.

The hopper 5′ and the plunger rod 6 enable the operator to continue for a longer time than it is now possible in the finishing of brick work and to accomplish the work with greater neatness and despatch.

In using the implement the handle 5 is grasped in one hand and the handle 9 is grasped in the other hand and, as the material, for instance, mortar passes from the hopper 5′ through the slot 2, the plunger rod 6 will be pressed inwardly against the trowel 1 so that the material contained within the housing will flow evenly therethrough.

A beader or grooved finishing member 14 is preferably secured by means of screws 14′ to the slotted side of the trowel so that the material applied to bricks from said trowel will be given a rounded finish. It will be seen by means of my improved trowel that an operator can apply with rapidity and neatness a large quantity of mortar for finishing bricks without interrupting his work in any way to get a new supply of mortar and that all of the mortar will be utilized for finishing work with hardly any loss whatever. By removing the beader 14 the trowel may be used on regular work.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended claims.

I claim as my invention:—

1. The combination with a trowel formed

with a slot, of a hopper at the back of the trowel over said slot, a plunger movable in the hopper to force the mortar from the hopper through the slot of the trowel, a handle at the outer end of the plunger and a series of gripping links pivoted to the outer end of the hopper and adapted to be grasped by the operator to assist in moving the plunger inwardly in the hopper when the latter is filled with mortar.

2. The combination with a trowel having a feed slot, of a hopper arranged at the back of the trowel, over said slot, a plunger movable in the hopper, a handle at the outer end of the plunger, a beading attachment attached to the face of the trowel at the ends of and in alinement with the slot thereof and a series of links connected to the outer end of the hopper and adapted to be grasped by the operator to assist in forcing the plunger inwardly when the hopper is filled with mortar.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JARRETT W. DENTON.

Witnesses:
JNO. R. HAYS,
W. L. ORIAN.