March 11, 1952 E. E. PEEPLES, JR 2,588,757

TILE MARKER

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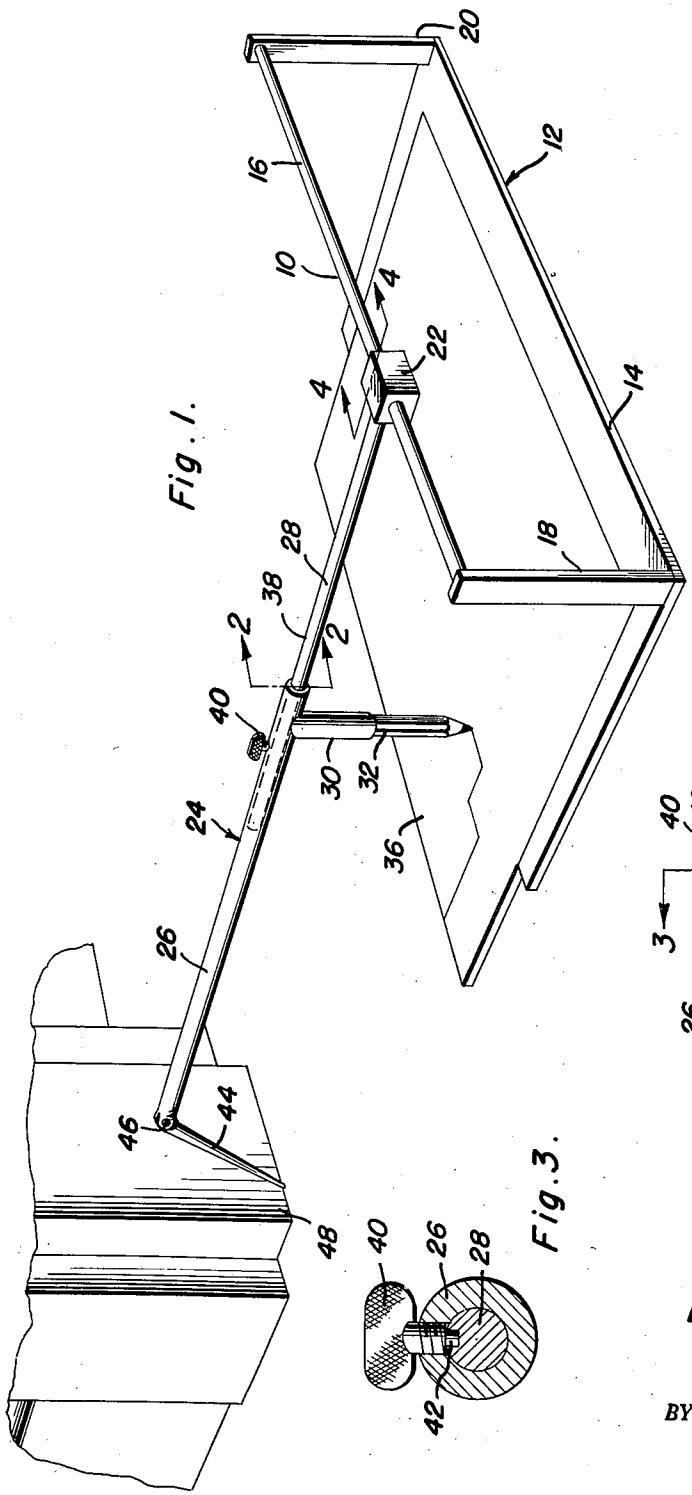


Fig. 1.

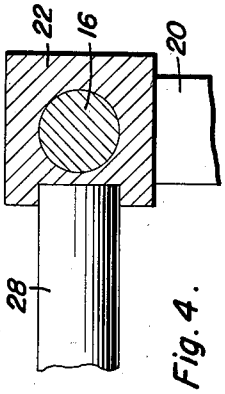


Fig. 4.

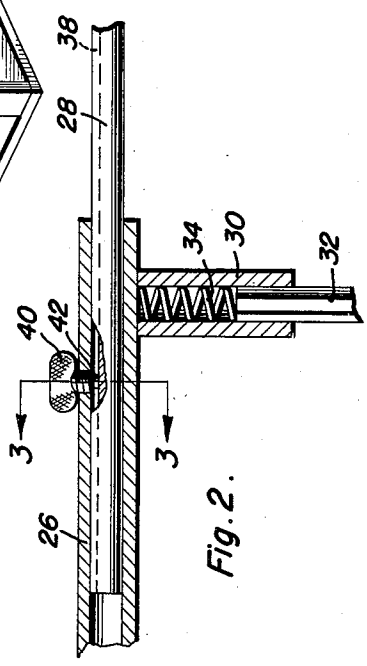


Fig. 2.

Fig. 3.

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TILE MARKER

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5 Claims. (Cl. 33—23)

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This invention comprises novel and useful improvements in scribing devices, and more particularly pertains to a device for marking tiles and the like.

An important object of this invention is to provide a tile marker which will hold a tile in position for marking without damaging the tile in any way.

Another object of this invention, in accordance with the foregoing object, is to provide a guide for the scriber which will permit lateral motion of the scriber while the latter is transversely guided parallel to one edge of the tile.

Yet another object of this invention, in accordance with the foregoing objects, is to provide a scriber which may be laterally and transversely guided in a downwardly depending tile scribing position.

A further object of this invention is to provide a scribing device in accordance with the foregoing objects which will be of simple construction yet durable and highly efficient for the purposes intended.

These, together with various ancillary objects are attained by this device, a preferred embodiment of which is illustrated by way of example only in the accompanying drawings wherein:

Figure 1 is a fragmentary perspective elevational view of the tile marker shown in use for scribing a tile to be fitted to a door frame or the like.

Figure 2 is a fragmentary vertical sectional view, taken substantially on the plane 2—2 of Figure 1, of the longitudinally adjustable member to which the scriber holder is attached.

Figure 3 is a vertical sectional view, taken substantially on the plane 3—3 of Figure 2.

Figure 4 is a fragmentary vertical sectional view taken substantially on the plane 4—4 of Figure 1, parts being shown in elevation.

Referring now to the accompanying drawings wherein like numerals designate similar parts throughout the various views, the tile marking device indicated generally by the numeral 10, as can be more clearly seen from a consideration of Figure 1, consists of a tile holding frame 12 which may be constructed in different sizes to fit the various sizes of tiles.

Parallel to, and laterally spaced from one side 14 of the frame 12 is a transverse guide 16 which is secured, by any desired means such as the uprights 18 and 20, to the frame 12. Slidingly received upon the guide 16 is a transverse guide bearing 22, to which bearing is attached, preferably rigidly, a horizontally adjustable

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member 24. This member 24 may be made longitudinally extensible and retractible in various ways such as by the telescoping segments 26 and 28, the segment 28 which is receivable internally of the segment 26 being secured to the bearing 22.

Secured to the segment 26 in any desired manner is a downwardly depending sleeve 30 which slidably receives a scriber 32, a means, such as the spring 34 being receivable in the sleeve 30 to yieldingly bias the scriber 32 downwardly so as to engage an article such as tile 36. In order to retain the scriber 32 in a downwardly depending position and also to provide a locking means for the telescoping segments 26 and 28 should locking be found to be desirable, there is provided in the segment 28 on its upper surface a slot 38, and a key means in the segment 26 which is slidably and guidingly received in the slot 38, the key means being of any suitable construction such as the thumb screw 40 which is preferably threadedly engaged in the segment 26, with a slot engaging projection 42 on the inner end of the thumb screw 40. Obviously, if it is so desired, the segments 26 and 28 may be locked relative to each other by tightening of the thumb screw 40.

Attached to the segment 26 is a preferably downwardly depending tracer 44, which tracer can be guided along the surface that is to be fitted with a tile. In order to make the scribing device adaptable to tracing in various positions, and in order to enable various lengths of scribers to be used, the tracer 44 is preferably vertically pivotal relative to the segment 26, means such as the screw 46 being provided, which will serve as a lock to selectively prevent pivotal movement of the tracer 44.

In operation, a tile 36 is inserted within the frame 12, one edge of the tile and frame being aligned so as to be parallel to and laterally spaced from the surface that is to be fitted with a tile. The tracer 44 is then guided the irregular surface such as that of the door frame 48 shown. As the scriber 32 is drawn transversely over the tile, the lateral irregularities in the surface 48 reciprocate the scriber 32 thereby reproducing an outline of the surface that was traced.

It is believed the construction and operation of the device will be readily understood and accordingly further discussion is believed to be unnecessary. However, since numerous modifications will readily occur to those skilled in the art after a consideration of the foregoing specification and accompanying drawing, it is not intended to limit the invention to that shown and

described but all suitable modifications may be resorted to falling within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A tile marker comprising a frame having first and second relatively perpendicular sides for receiving a tile, an elongated guide mounted on said frame parallel to said first side, a longitudinally extensible member including first and second relatively slidable elongated segments, means attaching said first segment to said guide for sliding movement longitudinally of said guide, said first segment extending perpendicular to said guide, a scriber depending from the end of said second segment adjacent said first segment and a tracer extending from the end of said second segment remote from said first segment.

2. The combination of claim 1 wherein said tracer has a tip thereon adjustable towards and away from said scriber.

3. The combination of claim 1 wherein tracer is vertically pivotally attached to said second segment, and means for selectively locking said tracer in a predetermined position relative to said second segment.

4. A tile marker comprising a frame having first and second relatively perpendicular sides, standards extending upwardly from opposite ends of said first side, a guide on the upper ends of said standards paralleling said first side, a longitudinally extensible member including first and second relatively telescopic segments, means attaching said first segment to said guide for sliding movement longitudinally of said guide, said means retaining said first segment perpendicular to said guide, a scriber depending from the end of said second segment adjacent said first segment, and a tracer extending the other end of said second segment.

5. A tile marker comprising a frame having first and second relatively perpendicular sides, standards extending upwardly from opposite ends of said first side, a guide on the upper ends of said standards paralleling said first side, a longitudinally extensible member including first and second relatively telescopic segments, means attaching said first segment to said guide for sliding movement longitudinally of said guide, said means retaining said first segment perpendicular to said guide, a scriber depending from the end of said second segment adjacent said first segment, and a tracer extending the other end of said second segment, and means preventing relative rotation between said first and second segments.

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