

July 9, 1929.

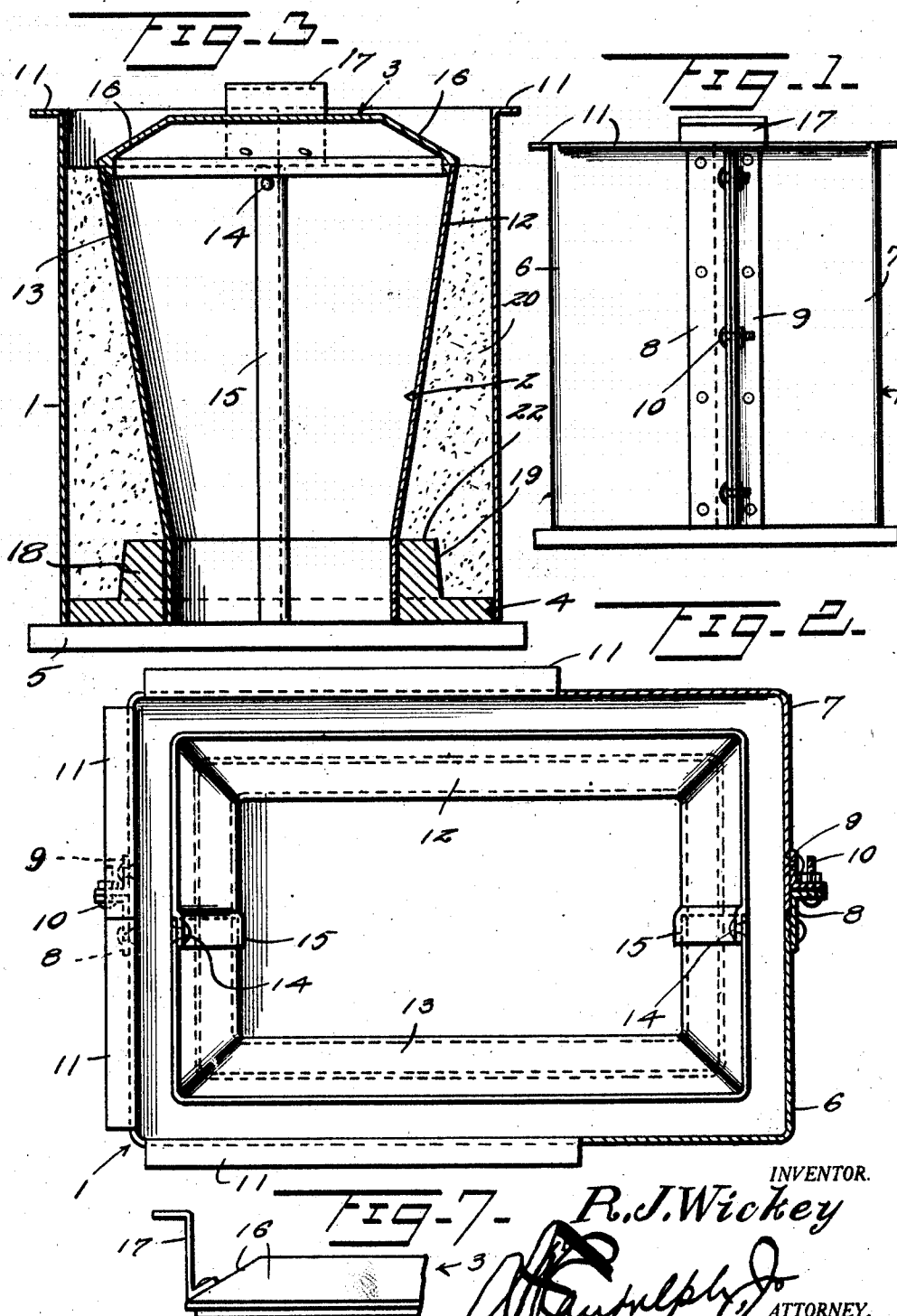
R. J. WICKEY

1,720,503

METER BOX MOLD

Filed Nov. 5, 1927

2 Sheets-Sheet 1



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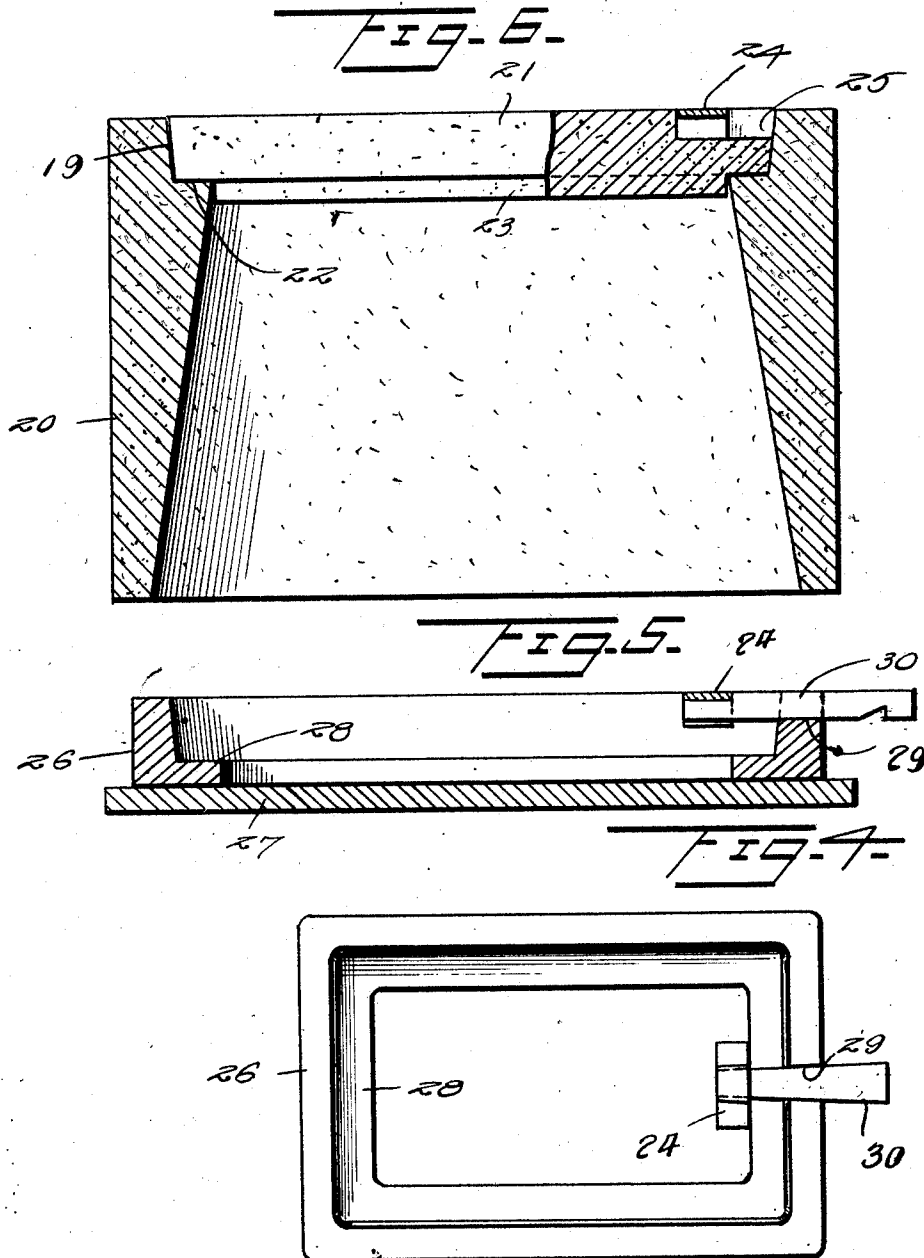
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2 Sheets-Sheet 2



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METER-BOX MOLD.

Application filed November 5, 1927. Serial No. 231,331.

This invention relates to molds, and has for one of its objects to provide a novel device of this character which shall be especially adapted to be used for making concrete meter boxes, which shall be adapted to be readily knocked down to permit the removal of the box therefrom, and which shall be adapted to be manufactured and sold at a comparatively low cost.

With the foregoing and other objects in view, the nature of which will become apparent as the description proceeds, the invention consists of the construction, combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the accompanying drawings, wherein:

Figure 1 is a view in side elevation of the mold,

Figure 2 is a top plan view of the mold, a portion of the casing being in horizontal section and the cover for the core being omitted,

Figure 3 is a sectional view taken on the vertical plane extending transversely and centrally through the mold,

Figure 4 is a top plan view of the mold for the cover of the meter box,

Figure 5 is a sectional view taken on a vertical plane extending longitudinally and centrally through the cover mold and the base therefor,

Figure 6 is a view partly in vertical section and partly in elevation of the meter box adapted to be formed in the mold, and

Figure 7 is a view in side elevation of a fragmentary portion of the cover for the core of the mold.

Referring in detail to the drawings, 1 designates the casing, 2 the core, 3 the cover for the core, 4 the palette and 5 the base of the mold. All of these parts with the exception of the base are preferably made from metal, and the base may be made from wood or any other suitable material. The casing 1 and core 2 are of elongated rectangular formation in plan and are arranged in a vertical position upon the base 5. The palette 4 is of similar formation in plan and rests upon the base 5 between the casing 1 and core 2.

The casing 1 consists of lateral halves or sections 6 and 7, and the sections thereof are secured together with their vertical edges in contact by means of angle strips 8 and 9 and bolts 10. The angle strips 8 and 9 are arranged in pairs, and the angle strips 8 are

secured to one of the casing sections 6 and 7 in a manner to overlap the meeting edges of the sections. The angle strips 9 are secured to the other casing section, and the bolts 10 pass through the outstanding members of the angle irons 8 and 9. The casing 1 snugly fits the palette 4, is fully open at its upper end, and is provided at said end with outstanding reinforcing flanges 11.

The core 2 is hollow and open at its ends. The lower end of the core 2 has a snug fit in the palette 4 and gradually increases in width and length from the palette to its upper end. The core 2 consists of lateral halves or sections 12 and 13, and the sections thereof are pivotally connected at their upper ends as shown at 14. The section 12 is provided at its vertical edges with inwardly offset flanges 15 which contact with the inner surfaces of the section 13 and through which and the section 13 passes the pivots 14. The core 2 is of less height than the casing 1. The cover 3 is removably positioned upon the core 2, and it is provided with inclined portions 16 which assist in directing the concrete into the space between the casing 1 and core 2. Handles 17 are secured to the cover 3 and extend above the casing 1 so as to permit the cover to be readily applied and removed.

The palette 4 is of angular formation in vertical section so as to provide it with an upstanding flange 18 which materially assists in maintaining the core 2 in proper spaced relation with respect to the casing 1 and which forms an inner recess 19 in the upper end of the meter box 20. The cover 21 for the meter box 20 occupies the recess 19 and rests upon the bottom wall 22 thereof.

Due to the tapered formation of the core 2, the walls of the meter box 20 gradually increase in thickness in an upward direction with the necessary inclination imparted to their inner surfaces. The cover 21 is provided at its under side with a downwardly extending portion 23 which projects below the shoulder 22. The cover 21 is provided with a lift 24, and is provided in an edge thereof with a recess 25 to permit of ready access to the lift.

The cover 21 is adapted to be formed by the mold shown in Figures 4 and 5. This mold 26 which is preferably made of metal, is mounted upon a base 27 which may be made of any suitable material. The mold

26 is of elongated rectangular formation in plan and is provided at its lower side with an inwardly extending flange 28 of elongated rectangular formation in plan. The mold 26 is provided at one end thereof with a recess 29 for the reception of a wedge or core piece 30 which forms a recess 25 in the cover 21 and upon which the lift 24 is positioned to embed it in the cover.

From the foregoing and accompanying drawings, it should be apparent that the mold may be readily set up for use, that the palette 4 maintains the casing 1 and core 2 in proper spaced relation and in upright position upon the base 5, and that the casing may be readily removed when it is desired to remove the completed meter box from the mold.

It should be understood that the drawings are merely illustrative and do not pretend to give exact proportions. Furthermore, the said drawings are illustrative of a preferred construction, it being my expectation that various changes and modifications may be made without departing from the spirit and scope of my invention.

What is claimed is:—

1. A mold comprising a casing, a core consisting of lateral halves or sections, one of the sections being provided with vertical

flanges overlapping the corresponding edges of the other section, means pivotally connecting the sections together at the upper end of the core, and a palette positioned in the lower end of the casing and receiving the lower end of the core.

2. A mold comprising a casing consisting of lateral halves or sections, vertical angle bars secured to one of said sections and overlapping the corresponding edges of the other section, vertical angle bars secured to the other section and contacting with said first angle bars, fastening elements engaging the angle bars, a hollow core consisting of lateral halves or sections, one of said sections being provided with inwardly offset vertical flanges overlapping the corresponding edges of the other section, means pivotally connecting the core sections together at the upper end of the core, a palette positioned in the lower end of the casing and receiving the lower end of the core, the palette being provided with an upstanding flange and the core tapering from its upper end to said flange, and a cover for the upper end of the core and having downwardly and inwardly inclined portions.

In testimony whereof I affix my signature.

RUDOLPH J. WICKEY.