

S. N. CORNWALL.
CURBING, &c.
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1,020,887.

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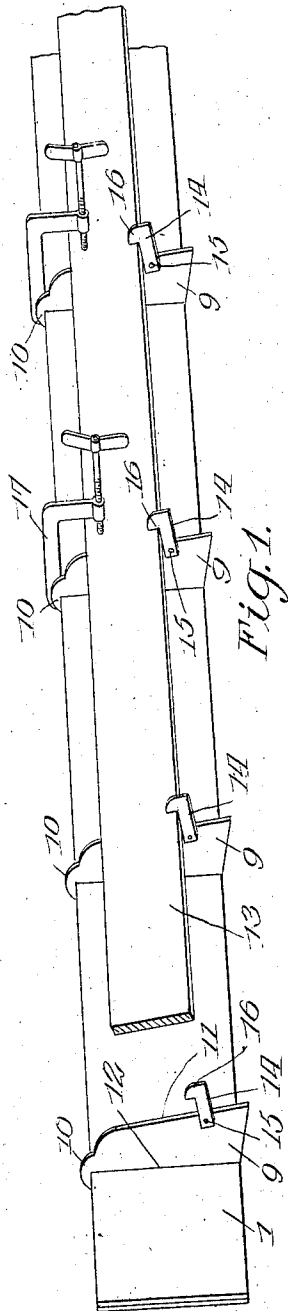


Fig. 1.

Fig. 4.

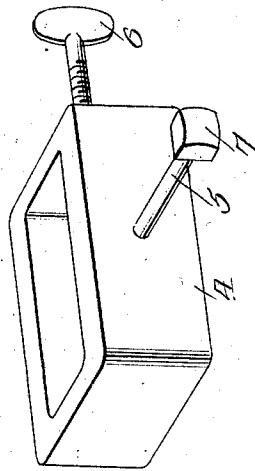


Fig. 3.

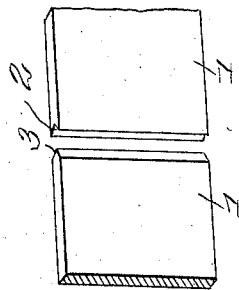
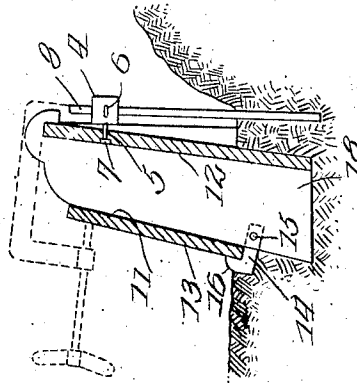


Fig. 2.



WITNESSES

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CURBING, &c.

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To all whom it may concern:

Be it known that I, STEPHEN N. CORNWALL, a citizen of the United States, and a resident of Springfield, in the county of Greene and State of Missouri, have invented a new Improvement in Curb-ing, &c., of which the following is a full, clear, and exact description.

My invention is an improvement in curb-ing systems, and has for its object the provision of a simple and inexpensive form construction for aiding in the laying of plastic curbing and the like which may be easily set up and taken down, may be used indefinitely and which will be capable of many adjustments for constructions of different size and shape.

In the drawings:—Figure 1 is a perspective view of a section of form set up; Fig. 2 is a transverse section; Fig. 3 is a perspective view of a joint between two boards; and Fig. 4 is a perspective view of one of the frames.

In the present construction, the form is composed of a plurality of plates or boards 1 of suitable width, length and thickness laid with their ends abutting. Each board has at one end a substantially V-shaped groove 2 extending the full width of the end, and at the other end, the board is cut away or beveled at each side as indicated at 3, to fit the groove of the adjacent board. The boards are supported at each end by means of the frame 4 shown in Fig. 4. Each of the said frames is of rectangular form, and in one side a threaded opening is provided for receiving a bolt 5. A set screw 6 is threaded through an opening in one end of each frame, the bolt and set screw being at right-angles to each other. The frames are held to the ends of the boards by means of the bolt 5 which is passed through an opening in the end of the board and is then threaded into the frame. The head 7 of the bolt is counter-sunk, as shown in Fig. 2, and a stake 8 of iron or the like is driven through the frame into the ground. The boards and stakes are arranged at the proper incline to agree with the slant of the adjacent face of the curb, and the boards are then adjusted vertically on the stakes to the proper height, after which they are held in place by clamping the set screws on the stakes.

A plurality of templets 9 are provided,

each having its side edges 11 and 12 inclined toward each other to correspond with the angles of the faces of the curbing to the vertical, and at its upper end each templet has a hook 10 for engaging over the edge of the boards 1. The templets are arranged at distances from each other sufficient to support the boards properly against the pressure of the plastic material, and plates or boards 13 of less width than boards 1 are arranged on the opposite edges of the templets. The boards 13 are supported by hangers 14, one of which is pivoted at one end to each templet, as indicated at 15, Figs. 1 and 2. Each hanger is in the form of a bar having one end pivoted to the board as above mentioned, and provided at the opposite end with an upwardly extending lug or stop 16. The hangers are of such length and so arranged with respect to the templets that there is just sufficient distance between the inner face of lug 16 and the adjacent edge 11 of the templet to receive a plate 13 as shown more especially in Fig. 2.

If there is any tendency on the part of the boards 1 and 13 to spring apart, or of the boards 13 to drop down, clamps 17 may be arranged at the templets, or at other suitable points. The clamps 17 are of usual form, and are arranged to press the boards 13 toward the boards 1.

When the form is set up as described, the ground is cut away the width of the curb plus the thickness of boards, as indicated at 18 in Fig. 2, and the soil is cut away at the side of the cut 18 adjacent to boards 13 to aline with the inner face of the said boards. The plastic material is then tamped into the form between the templets, and the top coat is spread on. The clamps 17 are removed first, after which boards 13 may be removed, and the face of the curbing is finished by brushing over in the usual manner.

The ends of boards 13 are connected in the same manner as are the boards 1, that is as shown in Fig. 3. The templet 9 may be constructed to give any desired incline to either face of the curb and to give any desired thickness. The boards may be of wood or may be metal plates as may also be the templets. The frames are not necessarily square and other means may be used to clamp them on the stakes.

I claim:—

1. A device of the character specified, comprising a plurality of series of plates or boards, the members of each series being laid in longitudinal alinement and in laterally spaced relation to the other series, each plate or board having one end provided with a substantially V-shaped groove and the side edges of the other end being beveled to fit the groove of the adjacent plate or board, an open frame at each end of the plates or boards of one series, a bolt passing through the plate or board adjacent to each frame, each frame having a threaded opening for engagement by the bolt, a stake passing through each frame for holding the plates or boards upright, a set screw threaded through each frame and engaging the stake, a plurality of templets having their side edges inclined toward each other and arranged between the series and substantially perpendicular to the plates or boards, each templet having a hook at its upper end for engaging the plates or boards connected to the stakes, and a hanger bar pivoted at one end to each templet and provided at the other end with an upwardly extending lug for engaging the outer face of the adjacent board or plate of the other series, and clamps engaging the opposite members of the series for pressing them toward each other.
2. A device of the character specified, comprising a plurality of series of plates or boards, the members of each series being laid in longitudinal alinement and in laterally spaced relation to the other series, each plate or board having one end provided with a substantially V-shaped groove and the side edges of the other end beveled to fit the groove of the adjacent plate or board, an open frame at each end of the plates or boards of one series, a bolt passing through the plate or board adjacent to each frame, each frame having a threaded opening for engagement by a bolt, a stake passing through each frame for holding the plates or boards upright, a set screw threaded through each frame and engaging the stake, a plurality of templets having their side edges inclined toward each other and arranged between the series and substantially perpendicular to the plates or boards, each templet having a hook at its upper end for engaging the plates or boards connected to the stakes, and a hanger bar pivoted at one end to each templet and provided at the other end with an upwardly extending lug for engaging the outer face of the adjacent board or plate of the other series.
3. A device of the character specified, comprising a plurality of series of plates

or boards, the members of each series being laid in longitudinal alinement and in laterally spaced relation to the other series, each plate or board having one end provided with a substantially V-shaped groove and the side edges of the other end beveled to fit the groove of the adjacent plate or board, an open frame at each end of the plates or boards of one series, a bolt passing through the plate or board adjacent to each frame, each frame having a threaded opening for engagement by a bolt, a stake passing through each frame for holding the plates or boards upright, a set screw threaded through each frame and engaging the stake, a plurality of templets having their side edges inclined toward each other and arranged between the series and substantially perpendicular to the plates or boards, each templet having means for engaging the plates or boards connected with the stakes to support said templet, and having means for engaging the adjacent board or plate of the other series to support the same.

4. A device of the character specified, comprising a plurality of series of plates or boards, the members of each series being laid in longitudinal alinement and in laterally spaced relation to the other series, an open frame at each end of the plates or boards of one series, a bolt passing through the plate or board adjacent to each frame, each frame having a threaded opening for engagement by a bolt, a stake passing through each frame for holding the plates or boards upright, a set screw threaded through each frame and engaging the stake, a plurality of templets having their side edges inclined toward each other and arranged between the series and substantially perpendicular to the plates or boards, each templet having means for engaging the plates or boards connected with the stakes to support said templet, and having means for engaging the adjacent board or plate of the other series to support the same.

5. A device of the character specified, comprising a parallel series of boards, means for supporting one of the series in upright position, means for adjusting the series vertically on the supporting means, a plurality of templets arranged between the series for spacing them apart from each other, each templet having means for engaging the supported series to support the templet, and means for engaging the other series for supporting the said series.

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Witnesses:

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