

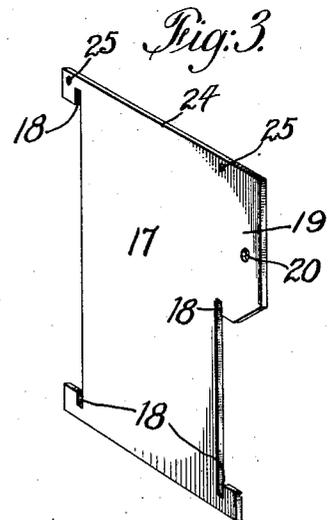
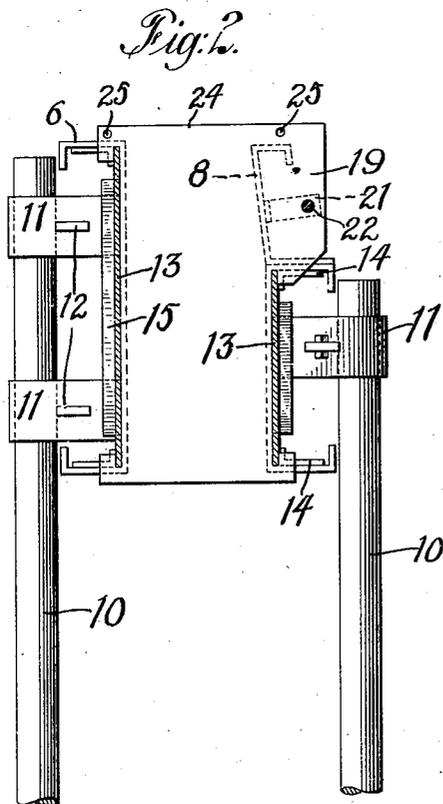
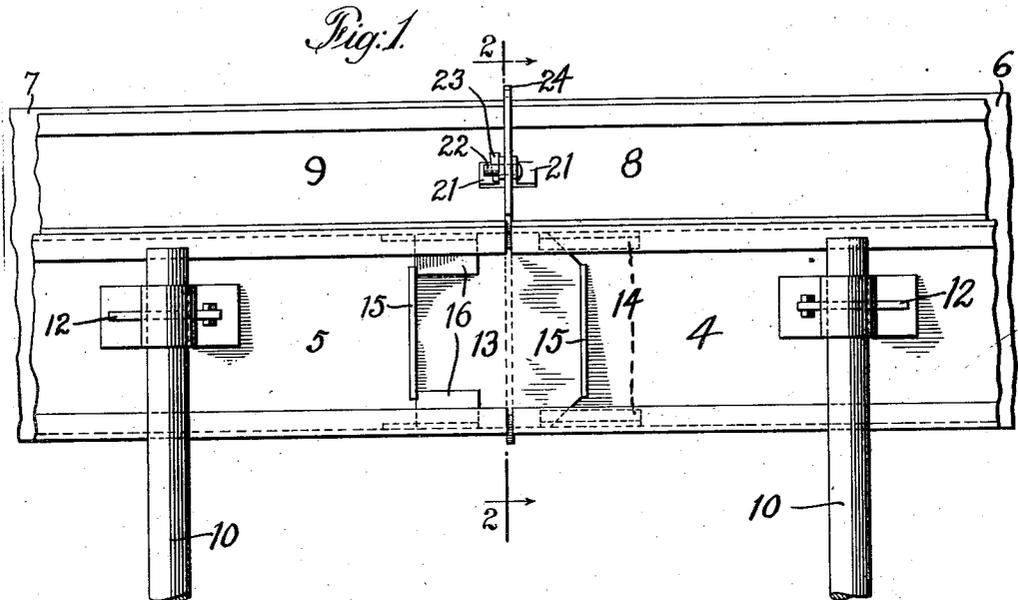
Jan. 5, 1932.

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1,839,286

FORM CONSTRUCTION FOR CONCRETE CURBS

Filed April 13, 1929



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# UNITED STATES PATENT OFFICE

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## FORM CONSTRUCTION FOR CONCRETE CURBS

Application filed April 13, 1929. Serial No. 354,755.

This invention relates to form construction for casting concrete curbs and the like, and has particular reference to a dividing plate for use between the ends of adjacent rails which is adapted to hold the opposing rails in properly spaced relation and prevent the rails or forms from spreading when the concrete is poured.

My improvement contemplates the provision of a dividing plate of the character specified which will hold the rails in true alignment, both at the top and at the bottom. I also provide a dividing plate to which can be secured supplementary rails, such as are often required in the building of a curb.

Still another object of the invention is to provide a division plate of the character specified which will have interlocking engagement with the customary splice plates used at adjacent rail ends, so that the opposing rails, as well as the dividing plate, are all properly interlocked when the splice plates are slid into position.

The accompanying drawings illustrate a preferred form of the invention, Fig. 1 being a side elevation of the adjacent ends of a pair of main rails, together with supplementary rails at the top, and illustrating the manner in which all of the parts are connected together by my improved division plate.

Fig. 2 is a section on the line 2—2 of Fig. 1, and

Fig. 3 is a perspective view of my improved division plate.

By referring to the drawings, it will be seen that I have illustrated a pair of inside main rails 4 and 5, opposite which are the outside main rails 6 and 7. These are flanged in the manner now customary in the art, as clearly shown in Fig. 2 of the drawings, and lying along the top flange of the inside rails 4 and 5 is a pair of supplementary rails 8 and 9.

The main rails 4, 5, 6 and 7 are held in position in the customary manner by means of the ground stakes 10 which are embraced by the yokes 11 on the backs of the forms, the parts being held in place by the customary wedges 12.

One end of each main rail carries a suitable splice plate 13 and the other end a pair of upwardly and downwardly projecting retaining or locking plates 14, behind which the slidable splice plate of an adjacent rail is adapted to fit when the rails are set up in position to form a curb. The splice plates 13 have vertical end flanges 15 which serve to retain them upon the rail to which they are attached by virtue of their interengagement with the retaining strips 16. The construction of the splice plates is substantially the same, both for the rails 4 and 5 and the rails 6 and 7, the only difference being in the matter of size. As is well understood in this art, after the rails are set up in position, the splice plates are slid across the joint between the rails so as to hold the rails in proper alignment.

My improved dividing plate 17 fits between the adjacent ends of the opposing rails 4—5 and 6—7, and it is provided on each side with upper and lower splice plate engaging grooves or recesses 18, so that when the splice plates 13 are shoved into position, they will firmly interlock with the grooves 18. This will serve not only to hold the division plates in proper position, but also to prevent the opposing rail ends from moving outwardly under the weight of the concrete. It should be noted that my improved division plate will retain the bottoms of the rails in properly spaced position, as well as the tops, a feature which is of particular importance, especially at the ends of the rails.

I provide my improved division plate with a supplementary rail attaching portion 19 which is provided with a bolt receiving aperture 20. The ends of the supplementary rails carry small angles 21 having apertures in alignment with the aperture 20. By passing a slotted bolt 22 through the aligned apertures, the supplementary rails may be securely held in position, the parts being tightly held by the use of a wedge 23.

I also provide my improved dividing plate with an upwardly extending projection 24 which reaches above the tops of the rails, and in this upwardly projecting portion I provide suitable removal-tool engaging holes or aper-

tures 25. By inserting a tool in the holes 25 it is easy to withdraw the division plate 17 after the curb has been formed and the splice plates 13 retracted from their holding position.

5 I claim:—

1. In form construction for concrete curbs, the combination of adjacent rails, a division plate, and a slidable splice plate having interlocking engagement means adapted to secure the division plate in position at the rail end.

2. The combination of a pair of rail ends, a division plate, and a slidable splice plate all of which are formed to interlock so as to be held in proper position upon locking movement of the splice plate.

3. The combination of opposed rail ends, a division plate having splice plate engaging grooves, and slidable splice plates on the rails, all of said parts being interlocked by moving the splice plates across the ends of the rails.

4. In form construction for concrete curbs, the combination of adjacent inner rails, adjacent outer rails opposite the inner rails, a transverse dividing plate between the ends of said rails, and splice plates for adjacent rails adapted to slide into position across the ends thereof, said dividing plate and said splice plates being constructed to interfit so as to hold the opposing rails in proper position.

In testimony whereof I have hereunto signed my name.

ANTHONY S. WOLF.

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