Oct. 25, 1955 E. E. LANDRUM 2,721,368

CONCRETE PICKET FENCE FORM

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Fig. I.

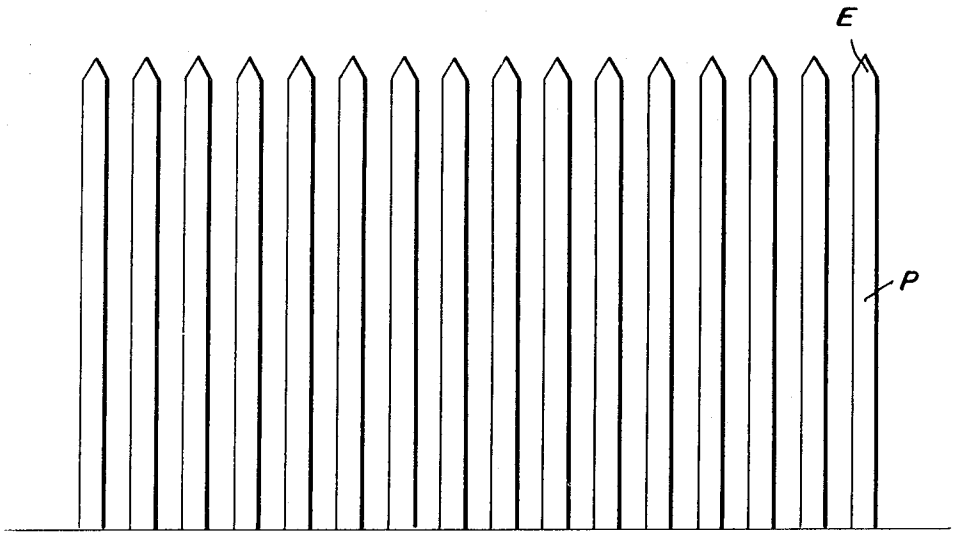


Fig. II.

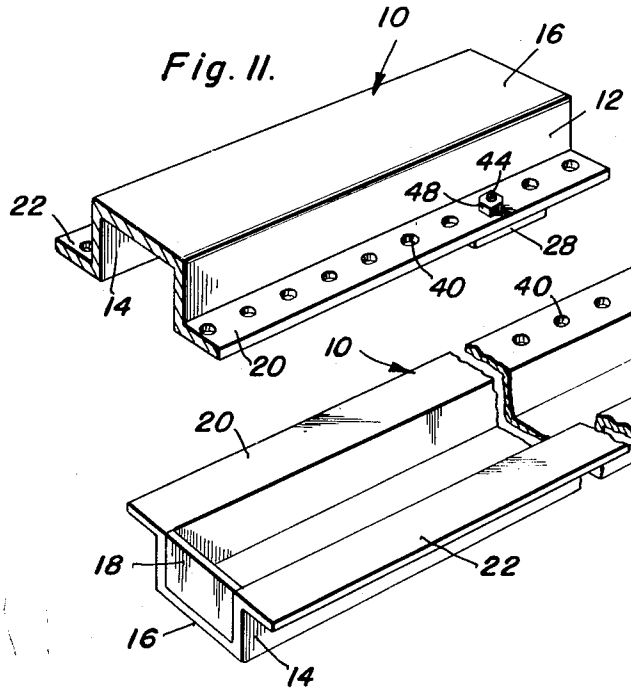
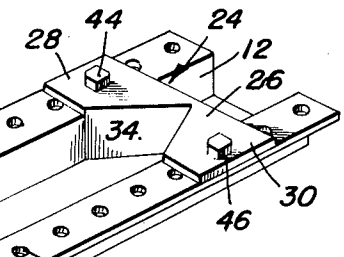


Fig. 2.



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Fig. 3.

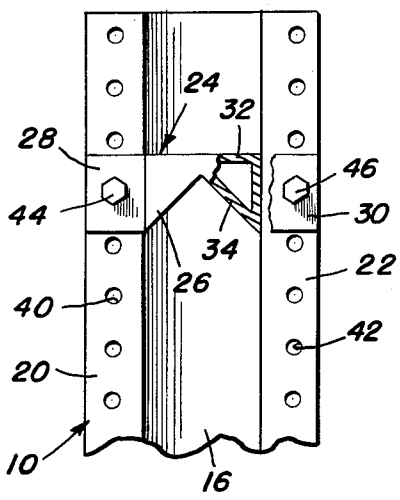


Fig. 4.

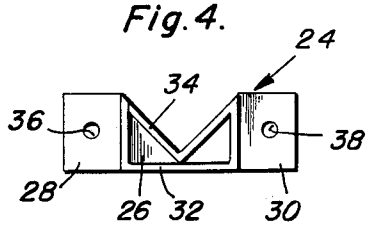


Fig. 5.

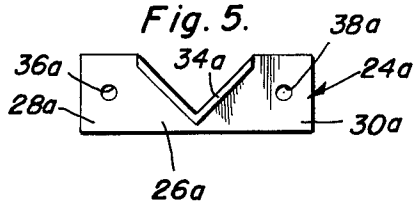


Fig. 6.

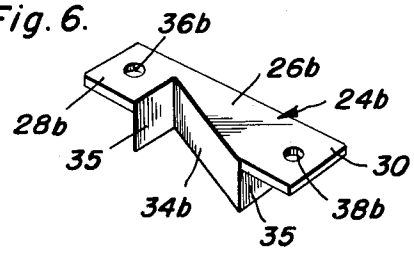


Fig. 8.

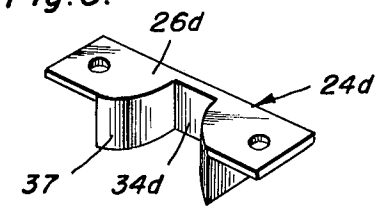


Fig. 7.

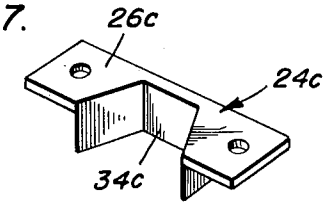


Fig. 9.

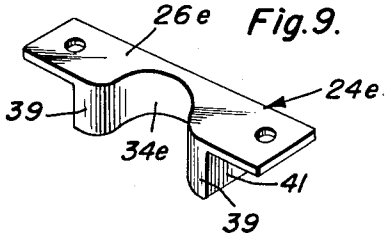
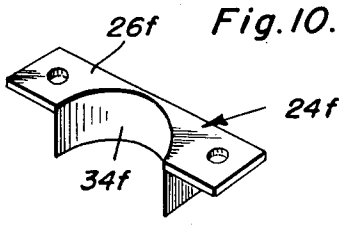


Fig. 10.



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CONCRETE PICKET FENCE FORM

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Application March 20, 1952, Serial No. 277,627

2 Claims. (Cl. 25—121)

This invention relates to new and useful improvements in concrete forms and the primary object of the present invention is to provide a form for the palings of concrete fences.

Another important object of the present invention is to provide a concrete picket fence form including a channel member having a longitudinally adjustable paling end shaping element at one end portion and a transverse blocker plate at its other end portion, whereby palings of various lengths may be formed in a convenient manner.

A further object of the present invention is to provide a concrete picket fence form wherein the paling and shaping element is quickly and readily replaced by different shaped elements, to permit the tops of palings to be suitably shaped.

A still further aim of the present invention is to provide a concrete picket fence form that is simple and practical in construction, strong and reliable in use, neat and attractive in appearance, small, compact and light weight in structure, inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operations as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which;

Figure 1 is a fragmentary elevational view of a concrete picket fence whose palings are formed by using the present invention;

Figure 2 is a fragmentary perspective view of the present invention.

Figure 3 is a fragmentary top plan view of Figure 2 and with parts of the paling top shaping element broken away;

Figure 4 is a bottom plan view of the paling top shaping element shown in Figures 2 and 3;

Figure 5 is a bottom plan view of the paling top shaping element in modified form;

Figure 6 is a perspective view of a paling top shaping element that will form a tapered end on a paling;

Figure 7 is a perspective view of a paling top shaping element that will form a tapered top and flat upper edge on a paling;

Figure 8 is a perspective view of a paling top shaping element that will form a straight top edge and concave corner top recesses in a paling;

Figure 9 is a perspective view of a paling top shaping element that will form a convex top edge and concave corner recesses in a paling;

Figure 10 is a perspective view of a paling top shaping element that will form a rounded convex edge on a paling; and,

Figure 11 is a fragmentary perspective view taken from the opposite side of Figure 3.

Referring now to the drawings in detail, wherein for

the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral **10** represents an elongated channel shaped member having a pair of spaced parallel leg portions **12** and **14** that are joined by a web portion **16**.

A closure or blocking plate **18** extends transversely of the member **10** at the bottom end thereof and its end edges are fixed by welding or the like to the leg portions **12** and **14**, and its lower edge is fixed by welding or the like to the web portion **16**. The longitudinal side edges of the leg portions **12** and **14** are bent downwardly and outwardly to provide flanges **20** and **22** that are coplanar with each other and parallel to the web portion **16**.

A paling top shaping element **24** is slidably received within the top end portion of the channel member **10**. The element **24** includes a top plate **26** whose ends **28** and **30** overlie the flanges **20** and **22**. A U-shaped strengthening member **32** is fixed to the undersurface of the plate **26** and secures therein a V-shaped contour member **34** whose apex is fixed by welding or the like to the web of the member **32**. The legs of the member **34** are also fixed to the legs of the member **32** and to the edges of a V-shaped notch formed in plate **26**.

The ends **28** and **30** of the plate **26** are formed with apertures **36** and **38** for registering with longitudinally spaced apertures **40** and **42** in the flanges **20** and **22**. Bolts **44** and **46** are extended through the apertures **36** and **38** and apertures **40** and **42** in registry therewith and nuts **48** are threaded on the bolts to hold the element **24** longitudinally adjusted in the channel member **10**.

The V-shaped member **34** extends completely between the inner faces of the leg portions **12** and **14** so that when concrete is poured into the member **10** the top end of the paling P formed in member **10** will have a pointed end E. The length of the palings may be varied by adjusting the element **24** toward or away from the end plate **18**.

Figure 5 shows the paling top shaping element **24*a*** in modified form including a top plate **26*a*** whose ends **28*a*** and **30*a*** are formed with apertures **36*a*** and **38*a*** for registering with the apertured flanges of member **10**. A V-shaped contour member **34*a*** is fixed to the undersurface of the plate **26*a*** at the edges of a V-shaped slot in the central portion of the plate **26*a***.

In Figure 6 is shown a paling top shaping element **24*b*** including a plate **26*a*** whose ends **28*b*** and **30*b*** are provided with apertures **36*b*** and **38*b*** for registering with the apertured flanges of member **10**. A Z-shaped contour member **34*b*** is fixed to the undersurfaces of the plate **26*b*** at a V-shaped notch in the plate. The ends **35** are parallel to each other and will rest against the inner faces of the portions **12** and **14**, so that the top end of the picket formed will be tapered.

The picket top shaping element **24*c*** shown in Figure 7 includes a plate **26*c*** having a U-shaped notch to which a U-shaped contour member **34*c*** is fixed. This element will shape the top end of the picket with a straight upper horizontal edge and with inclined corners.

Figure 8 shows the picket top shaping element **24*d*** including a top plate **26*a*** having a central notch to whose edges are fixed a U-shaped contour member **34*d*** having outwardly flared convex end portions **37**, so that the top end of a picket formed will have a straight upper horizontal edge and concave upper corners meeting the straight edge.

The picket top shaping element **24*e*** shown in Figure 9 also includes a top plate **26*e*** having a central recess or notch to whose edges is fixed a smoothly curved concavo-convexed contour member **34*e*** having outwardly flared ends **39** and parallel flanges **41**. The element **24*e*** will provide a convex top edge on a paling with concave end portions.

In Figure 10 is shown a picket top shaping element *24f* that will form a rounded edge on a paling. Element *24f* includes a top plate *26f* having a concave recess to whose edges is fixed a concavo-convexed contour member *34f*.

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

1. A concrete picket fence form comprising an elongated relatively shallow channel shaped member having a pair of spaced leg portions and a web portion joining said leg portions, an outturned flange on each of said leg portions, said flanges being coplanar with each other and parallel to the web portions, said member having a top end and a bottom end, a transverse plate fixed within the member at the bottom end of the member and extending transversely of the member, a paling top shaping element disposed within the top end of the member and having a substantially U-shaped strengthening member slidably received in said channel member, the sides of said U-shaped member slidably engaging said spaced leg portions, said U-shaped strengthening member having a web extending between said sides engaging said web portion of said channel shaped member, a contour member for forming the configuration of the top of a picket secured to said sides and web of said U-shaped strengthening element, said U-shaped member further including a top plate secured to and overlying said U-shaped strengthening member and said contour member, said top plate having a recess therein conforming to the shape of said contour member, said top plate having flat end portions overlying said flanges, each of said flanges having a plurality of longitudinally spaced apertures at the top end of the member, said end portions of said element each having an aperture for selectively registering with the apertures in said flanges, and fasteners extending through said apertures in said end portions and selected apertures in said flanges to retain the paling top shaping element spaced a predetermined distance from the plate to vary the length of the paling formed in the member.

2. A concrete picket fence form comprising an elongated relatively shallow channel shaped member having a pair of spaced leg portions and a web portion joining said leg portions, an outturned flange on each of said leg portions, said flanges being coplanar with each other and parallel to the web portions, said member having a top end and a bottom end, a transverse plate fixed within the number at the bottom end of the members and extending transversely of the member, a paling top shaping element disposed within the top end of the member and having a substantially U-shaped strengthening member slidably received in said channel member, the sides of said U-shaped member slidably engaging said spaced leg portions, said U-shaped strengthening member having a web extending between said sides engaging said web portion of said channel shaped member, a contour member for forming the configuration of the top of a picket secured to said sides and web of said U-shaped strengthening element, said U-shaped member further including a top plate secured to and overlying said U-shaped strengthening member and said contour member, said top plate having a recess therein conforming to the shape of said contour member, said top plate having flat end portions overlying said flanges, and interconnecting means between said end portions and said flanges for retaining the paling top shaping element longitudinally adjusted within the member.

References Cited in the file of this patent

UNITED STATES PATENTS

811,675	Terry	Feb. 6, 1906
838,490	Wright	Dec. 11, 1906
879,076	Wiest	Feb. 11, 1908
890,351	Frank	June 9, 1908
904,098	Storms	Nov. 17, 1908
968,285	Streator	Aug. 23, 1910
1,100,452	Stehm	June 16, 1914
1,533,830	Cochran	Apr. 14, 1925
2,397,728	Dowsett et al.	Apr. 2, 1946
2,445,894	Troiel	July 27, 1948

FOREIGN PATENTS

568,939	France	July 20, 1923